

# Polycystic Ovary Syndrome (PCOS) 2012

January 2000 through November 2012

4,695 Citations



Polycystic Ovary Syndrome: 2012

January 2000 through November 2012

4,695 Citations

Prepared by:

Nancy L. Terry, M.L.S., National Institutes of Health Library

Mary E. Ryan, M.L.S., National Institutes of Health Library

2012 November

U.S. Department of Health and Human Services

National Institutes of Health

National Institutes of Health Library

10 Center Drive

Bethesda, Maryland 20892

## Table of Contents

Diagnostic Criteria: Including Phenotypes .....	5
Diagnostic Criteria: Without Phenotypes .....	13
Diagnostic Criteria Testosterone Assay.....	26
Diagnostic Criteria: Age at Diagnosis .....	30
Epidemiology: Impact of Race/Ethnicity .....	31
Intrauterine Environment.....	43
Post- Natal Androgen Exposure .....	48
Early Phenotypes: Prepuberty Biomarkers .....	50
Obesity Prior to Puberty .....	55
Animal Models .....	60
Cell Based Modeling .....	65
Environmental Role.....	66
Genetics, AWAS, Predisposition.....	68
Type 2 Diabetes and Prediabetes.....	79
Cardiovascular Disease.....	119
Obstructive Sleep Apnea .....	168
Endometrial and Other Cancers.....	175
Fatty Liver .....	177
Mental Health .....	180
Increased Age .....	187
Prevention Strategies .....	192
Management of Metabolic Phenotypes.....	209
Management of Reproductive Phenotypes .....	265
Pregnancy Outcomes .....	304
Role of Prevention Strategies for Reproductive and Metabolic Consequences.....	343
Family Screening.....	402

## Introduction

Polycystic ovary syndrome (PCOS) is a common hormone disorder that affects approximately 5 million reproductive-aged women in the United States. Women with PCOS have difficulty becoming pregnant (i.e., are infertile) due to hormone imbalances that cause or result from altered development of ovarian follicles. One such imbalance is high blood levels of androgens, which can come from both the ovaries and adrenal gland. Other organ systems that are affected by PCOS include the pancreas, liver, muscle, blood vasculature, and fat.

In addition to fertility impairment, other common symptoms of PCOS include:

- Irregular or no menstrual periods (for women of reproductive age)
- Acne
- Weight gain
- Excess hair growth on the face and body
- Thinning scalp hair
- Ovarian cysts.

Women with PCOS are often resistant to the biological effects of insulin and, as a consequence, may have high insulin levels. As such, women with PCOS are at risk for type 2 diabetes, high cholesterol, and high blood pressure. Obesity also appears to worsen the condition. Costs to the U.S. healthcare system to identify and manage PCOS are approximately \$4 billion annually; however, this estimate does not include treatment of the serious conditions associated with PCOS.

For most of the 20th century, PCOS was a poorly understood condition. In 1990, the National Institutes of Health (NIH) held a conference on PCOS to create both a working definition of the disorder and diagnostic criteria. The outcome of this conference, the *NIH Criteria*, served as a standard for researchers and clinicians for more than a decade. In 2003, a consensus workshop in Rotterdam developed new diagnostic criteria, the *Rotterdam Criteria*.

The 2012 NIH Evidence-based Methodology Workshop on PCOS will seek to clarify:

- Benefits and drawbacks of using the *Rotterdam Criteria*
- The condition's causes, predictors, and long-term consequences
- Optimal prevention and treatment strategies.

The NIH workshop is sponsored by the Office of Disease Prevention and the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development. A multidisciplinary steering committee developed the workshop agenda. The NIH Library created an extensive, descriptive bibliography on PCOS to facilitate workshop discussion. During the 2½-day workshop, invited experts will discuss the body of evidence and attendees will have opportunities to provide comments during open discussion periods. After weighing the evidence, an unbiased, independent panel will prepare a report that summarizes the workshop and identifies future research priorities.

The workshop sponsors wish to thank Nancy L. Terry and Mary E. Ryan, National Institutes of Health Library, for their valuable assistance. This publication is not copyrighted and may be freely reproduced. However any reproductions of this bibliography, in whole or in part, should include all credits. If you wish to cite this bibliography, the correct format is:

Terry, Nancy L.; Ryan, Mary E.; compilers. Polycystic Ovary Syndrome (PCOS) 2012 [bibliography on the Internet]. Bethesda (MD): National Institutes of Health Library (US); 2012 Nov. 405 p. 4,695 citations from January 2000 through Nov 2012. Available from: <http://prevention.nih.gov/workshops/2012/pcos/default.aspx>.

## Diagnostic Criteria: Including Phenotypes

Revised 2003 consensus on diagnostic criteria and long-term health risks related to polycystic ovary syndrome. *Fertil Steril*. 2004 Jan;81(1):19-25. Available from: PubMed; PMID 14711538

Revised 2003 consensus on diagnostic criteria and long-term health risks related to polycystic ovary syndrome (PCOS). *Hum Reprod*. 2004 Jan;19(1):41-7. Available from: PubMed; PMID 14688154

PCOS (polycystic ovary syndrome): a multifaceted disease from adolescence to elderly. Proceedings of the second Special Scientific Meeting of the Androgen Excess Society. September 30-October 1, 2005. Ravello, Italy. *Fertil Steril*. 2006 Jul;86 Suppl 1:S1-31. Available from: PubMed; PMID 16798272

Akbarzadeh S, Ghasemi S, Kalantarhormozi M, Nabipour I, Abbasi F, Aminfar A, Jaffari SM, Motamed N, Movahed A, Mirzaei M, Rahbar AR. Relationship among plasma adipokines, insulin and androgens level as well as biochemical glycemic and lipidemic markers with incidence of PCOS in women with normal BMI. *Gynecol Endocrinol*. 2012 Jul;28(7):521-4. Available from: PubMed; PMID 22309615

Amato MC, Galluzzo A, Merlino S, Mattina A, Richiusa P, Criscimanna A, Giordano C. Lower insulin sensitivity differentiates hirsute from non-hirsute Sicilian women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Dec;155(6):859-65. Available from: PubMed; PMID 17132756

Amato MC, Galluzzo A, Finocchiaro S, Criscimanna A, Giordano C. The evaluation of metabolic parameters and insulin sensitivity for a more robust diagnosis of the polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2008 Jul;69(1):52-60. Available from: PubMed; PMID 18034780

Amato MC, Verghi M, Galluzzo A, Giordano C. The oligomenorrhic phenotypes of polycystic ovary syndrome are characterized by a high visceral adiposity index: a likely condition of cardiometabolic risk. *Hum Reprod*. 2011 Jun;26(6):1486-94. Available from: PubMed; PMID 21447694

Anaforoglu I, Algun E, Incecayir O, Ersoy K. Higher metabolic risk with National Institutes of Health versus Rotterdam diagnostic criteria for polycystic ovarian syndrome in Turkish women. *Metab Syndr Relat Disord*. 2011 Oct;9(5):375-80. Available from: PubMed; PMID 21657888

Artini PG, Di Berardino OM, Simi G, Papini F, Ruggiero M, Monteleone P, Cela V. Best methods for identification and treatment of PCOS. *Minerva Ginecol*. 2010

Feb;62(1):33-48. Available from: PubMed; PMID 20186113

Azziz R. PCOS: a diagnostic challenge. *Reprod Biomed Online*. 2004 Jun;8(6):644-8. Available from: PubMed; PMID 15169578

Azziz R. Controversy in clinical endocrinology: diagnosis of polycystic ovarian syndrome: the Rotterdam criteria are premature. *J Clin Endocrinol Metab*. 2006 Mar;91(3):781-5. Available from: PubMed; PMID 16418211

Azziz R, Carmina E, Dewailly D, Diamanti-Kandarakis E, Escobar-Morreale HF, Futterweit W, Janssen OE, Legro RS, Norman RJ, Taylor AE, Witchel SF. Positions statement: criteria for defining polycystic ovary syndrome as a predominantly hyperandrogenic syndrome: an Androgen Excess Society guideline. *J Clin Endocrinol Metab*. 2006 Nov;91(11):4237-45. Available from: PubMed; PMID 16940456

Barber TM, Wass JA, McCarthy MI, Franks S. Metabolic characteristics of women with polycystic ovaries and oligo-amenorrhoea but normal androgen levels: implications for the management of polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Apr;66(4):513-7. Available from: PubMed; PMID 17371468

Barber TM, Alvey C, Greenslade T, Gooding M, Barber D, Smith R, Marland A, Wass JA, Child T, McCarthy MI, Franks S, Golding SJ. Patterns of ovarian morphology in polycystic ovary syndrome: a study utilising magnetic resonance imaging. *Eur Radiol*. 2010 May;20(5):1207-13. Available from: PubMed; PMID 19890641

Bazarganipour F, Ziaei S, Montazeri A, Faghihzadeh S, Frozanfard F. Psychometric properties of the Iranian version of modified polycystic ovary syndrome health-related quality-of-life questionnaire. *Hum Reprod*. 2012 Sep;27(9):2729-36. Available from: PubMed; PMID 22740491

Belosi C, Giuliani M, Suriano R, Sagnella F, Lanzone A. [Diagnosis of polycystic ovary syndrome]. *Minerva Ginecol*. 2004 Feb;56(1):7-13. Available from: PubMed; PMID 14973406

Belosi C, Selvaggi L, Apa R, Guido M, Romualdi D, Fulghesu AM, Lanzone A. Is the PCOS diagnosis solved by ESHRE/ASRM 2003 consensus or could it include ultrasound examination of the ovarian stroma? *Hum Reprod*. 2006 Dec;21(12):3108-15. Available from: PubMed; PMID 17053004

Ben Ayed B, Dammak dit Mlik S, Ben Arab H, Trabelssi H, Chahtour H, Mathlouthi N, DhuiB M, Kassis M, Saiidane D, Trabelssi K, Guermazi M. Metformin effects on clomifene-induced ovulation in the polycystic ovary syndrome. *Tunis Med*. 2009 Jan;87(1):43-9. Available from: PubMed; PMID 19522426

- Ben Salem Hachmi L, Ben Salem Hachmi S, Bouzid C, Younsi N, Smida H, Bouguerra R, Ben Slama C. [Hypertension in polycystic ovary syndrome]. *Arch Mal Coeur Vaiss*. 2006 Jul-Aug;99(7-8):687-90. Available from: PubMed; PMID 17061445
- Bhattacharya SM. Insulin resistance and overweight-obese women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 May;26(5):344-7. Available from: PubMed; PMID 19903118
- Bhattacharya SM, Ghosh M. Insulin resistance and adolescent girls with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2010 Jun;23(3):158-61. Available from: PubMed; PMID 19963413
- Bhattacharya SM, Jha A. Prevalence and risk of metabolic syndrome in adolescent Indian girls with polycystic ovary syndrome using the 2009 'joint interim criteria'. *J Obstet Gynaecol Res*. 2011 Oct;37(10):1303-7. Available from: PubMed; PMID 21535308
- Bhattacharya SM, Jha A. Comparative study of the therapeutic effects of oral contraceptive pills containing desogestrel, cyproterone acetate, and drospirenone in patients with polycystic ovary syndrome. *Fertil Steril*. 2012 Oct;98(4):1053-9. Available from: PubMed; PMID 22795636
- Broekmans FJ, Knauff EA, Valkenburg O, Laven JS, Eijkemans MJ, Fauser BC. PCOS according to the Rotterdam consensus criteria: Change in prevalence among WHO-II anovulation and association with metabolic factors. *BJOG*. 2006 Oct;113(10):1210-7. Available from: PubMed; PMID 16972863
- Bronstein J, Tawdekar S, Liu Y, Pawelczak M, David R, Shah B. Age of onset of polycystic ovarian syndrome in girls may be earlier than previously thought. *J Pediatr Adolesc Gynecol*. 2011 Feb;24(1):15-20. Available from: PubMed; PMID 21262477
- Brown ZA, Louwers YV, Fong SL, Valkenburg O, Birnie E, de Jong FH, Fauser BC, Laven JS. The phenotype of polycystic ovary syndrome ameliorates with aging. *Fertil Steril*. 2011 Nov;96(5):1259-65. Available from: PubMed; PMID 21963227
- Bruni V, Dei M, Nannini S, Balzi D, Nuvolone D. Polycystic ovary syndrome in adolescence. *Ann N Y Acad Sci*. 2010 Sep;1205:175-84. Available from: PubMed; PMID 20840270
- Brzozowska MM, Ostapowicz G, Weltman MD. An association between non-alcoholic fatty liver disease and polycystic ovarian syndrome. *J Gastroenterol Hepatol*. 2009 Feb;24(2):243-7. Available from: PubMed; PMID 19215335
- Burgers JA, Fong SL, Louwers YV, Valkenburg O, de Jong FH, Fauser BC, Laven JS. Oligoovulatory and anovulatory cycles in women with polycystic ovary syndrome (PCOS): what's the difference? *J Clin Endocrinol Metab*. 2010 Dec;95(12):E485-9. Available from: PubMed; PMID 20843954
- Carmina E. Diagnosis of polycystic ovary syndrome: from NIH criteria to ESHRE-ASRM guidelines. *Minerva Ginecol*. 2004 Feb;56(1):1-6. Available from: PubMed; PMID 14973405
- Carmina E, Campagna AM, Lobo RA. A 20-year follow-up of young women with polycystic ovary syndrome. *Obstet Gynecol*. 2012 Feb;119(2 Pt 1):263-9. Available from: PubMed; PMID 22270277
- Castelo-Branco C, Steinvarcel F, Osorio A, Ros C, Balasch J. Atherogenic metabolic profile in PCOS patients: role of obesity and hyperandrogenism. *Gynecol Endocrinol*. 2010 Oct;26(10):736-42. Available from: PubMed; PMID 20569105
- Cekmez F, Cekmez Y, Pirgon O, Canpolat FE, Aydinöz S, Metin Ipcioglu O, Karademir F. Evaluation of new adipocytokines and insulin resistance in adolescents with polycystic ovary syndrome. *Eur Cytokine Netw*. 2011 Mar;22(1):32-7. Available from: PubMed; PMID 21411410
- Chang AY, Ayers C, Minhajuddin A, Jain T, Nurenberg P, de Lemos JA, Wild RA, Auchus RJ. Polycystic ovarian syndrome and subclinical atherosclerosis among women of reproductive age in the Dallas heart study. *Clin Endocrinol (Oxf)*. 2011 Jan;74(1):89-96. Available from: PubMed; PMID 21044112
- Cheung LP, Ma RC, Lam PM, Lok IH, Haines CJ, So WY, Tong PC, Cockram CS, Chow CC, Goggins WB. Cardiovascular risks and metabolic syndrome in Hong Kong Chinese women with polycystic ovary syndrome. *Hum Reprod*. 2008 Jun;23(6):1431-8. Available from: PubMed; PMID 18359783
- Cho LW, Kilpatrick ES, Jayagopal V, Diver MJ, Atkin SL. Biological variation of total testosterone, free androgen index and bioavailable testosterone in polycystic ovarian syndrome: implications for identifying hyperandrogenaemia. *Clin Endocrinol (Oxf)*. 2008 Mar;68(3):390-4. Available from: PubMed; PMID 17888022
- Cicchione MM, Favale S, Bhuvra A, Scicchitano P, Caragnano V, Lavopa C, De Pergola G, Loverro G. Anteroposterior diameter of the infrarenal abdominal aorta is higher in women with polycystic ovary syndrome. *Vasc Health Risk Manag*. 2009;5(3):561-6. Available from: PubMed; PMID 19590590
- Cocksedge KA, Li TC, Saravelos SH, Metwally M. A reappraisal of the role of polycystic ovary syndrome in recurrent miscarriage. *Reprod Biomed Online*. 2008 Jul;17(1):151-60. Available from: PubMed; PMID 18616903

- Cocksedge KA, Saravelos SH, Metwally M, Li TC. How common is polycystic ovary syndrome in recurrent miscarriage? *Reprod Biomed Online*. 2009 Oct;19(4):572-6. Available from: PubMed; PMID 19909600
- Codner E, Escobar-Morreale HF. Clinical review: Hyperandrogenism and polycystic ovary syndrome in women with type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2007 Apr;92(4):1209-16. Available from: PubMed; PMID 17284617
- Cosar E, Koken G, Sahin FK, Arioz DT, Yilmazer M. Insulin sensitivity does not differentiate by hirsutism in non-obese women with polycystic ovary syndrome. *Endocr J*. 2008 Jul;55(3):465-8. Available from: PubMed; PMID 18520106
- Coskun A, Ercan O, Arıkan DC, Ozer A, Kilinc M, Kiran G, Kostu B. Modified Ferriman-Gallwey hirsutism score and androgen levels in Turkish women. *Eur J Obstet Gynecol Reprod Biol*. 2011 Feb;154(2):167-71. Available from: PubMed; PMID 21041013
- Cupisti S, Kajaia N, Dittrich R, Duezenli H, M WB, Mueller A. Body mass index and ovarian function are associated with endocrine and metabolic abnormalities in women with hyperandrogenic syndrome. *Eur J Endocrinol*. 2008 May;158(5):711-9. Available from: PubMed; PMID 18426831
- Cupisti S, Haberle L, Dittrich R, Oppelt PG, Reissmann C, Kronawitter D, Beckmann MW, Mueller A. Smoking is associated with increased free testosterone and fasting insulin levels in women with polycystic ovary syndrome, resulting in aggravated insulin resistance. *Fertil Steril*. 2010 Jul;94(2):673-7. Available from: PubMed; PMID 19394003
- Cupisti S, Haeberle L, Schell C, Richter H, Schulze C, Hildebrandt T, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The different phenotypes of polycystic ovary syndrome: no advantages for identifying women with aggravated insulin resistance or impaired lipids. *Exp Clin Endocrinol Diabetes*. 2011 Sep;119(8):502-8. Available from: PubMed; PMID 21553368
- de Groot PC, Dekkers OM, Romijn JA, Dieben SW, Helmerhorst FM. PCOS, coronary heart disease, stroke and the influence of obesity: a systematic review and meta-analysis. *Hum Reprod Update*. 2011 Jul-Aug;17(4):495-500. Available from: PubMed; PMID 21335359
- De Leo V, Musacchio MC, Morgante G, Piomboni P, Petraglia F. Metformin treatment is effective in obese teenage girls with PCOS. *Hum Reprod*. 2006 Sep;21(9):2252-6. Available from: PubMed; PMID 16785260
- De Sutter P, Dutre T, Vanden Meerschaut F, Stuyver I, Van Maele G, Dhont M. PCOS in lesbian and heterosexual women treated with artificial donor insemination. *Reprod Biomed Online*. 2008 Sep;17(3):398-402. Available from: PubMed; PMID 18765011
- Demirel F, Bideci A, Cinaz P, Camurdan MO, Biberoglu G, Yesilkaya E, Hasanoglu A. Serum leptin, oxidized low density lipoprotein and plasma asymmetric dimethylarginine levels and their relationship with dyslipidaemia in adolescent girls with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Jul;67(1):129-34. Available from: PubMed; PMID 17465999
- Dewailly D, Catteau-Jonard S, Reyss AC, Leroy M, Pigny P. Oligoanovulation with polycystic ovaries but not overt hyperandrogenism. *J Clin Endocrinol Metab*. 2006 Oct;91(10):3922-7. Available from: PubMed; PMID 16849400
- Dewailly D, Contestin M, Gallo C, Catteau-Jonard S. Metabolic syndrome in young women with the polycystic ovary syndrome: revisiting the threshold for an abnormally decreased high-density lipoprotein cholesterol serum level. *BJOG*. 2010 Jan;117(2):175-80. Available from: PubMed; PMID 19832825
- Dewailly D, Hieronimus S, Mirakian P, Hugues JN. Polycystic ovary syndrome (PCOS). *Ann Endocrinol (Paris)*. 2010 Feb;71(1):8-13. Available from: PubMed; PMID 20096827
- Dewailly D, Pigny P, Soudan B, Catteau-Jonard S, Decanter C, Poncelet E, Duhamel A. Reconciling the definitions of polycystic ovary syndrome: the ovarian follicle number and serum anti-Mullerian hormone concentrations aggregate with the markers of hyperandrogenism. *J Clin Endocrinol Metab*. 2010 Sep;95(9):4399-405. Available from: PubMed; PMID 20610596
- Diamanti-Kandaraki E, Katsikis I, Piperi C, Kandaraki E, Piouka A, Papavassiliou AG, Panidis D. Increased serum advanced glycation end-products is a distinct finding in lean women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2008 Oct;69(4):634-41. Available from: PubMed; PMID 18363886
- Eilertsen TB, Vanky E, Carlsen SM. Anti-Mullerian hormone in the diagnosis of polycystic ovary syndrome: can morphologic description be replaced? *Hum Reprod*. 2012 Aug;27(8):2494-502. Available from: PubMed; PMID 22693172
- Eilertsen TB, Vanky E, Carlsen SM. Increased prevalence of diabetes and polycystic ovary syndrome in women with a history of preterm birth: a case-control study. *BJOG*. 2012 Feb;119(3):266-75. Available from: PubMed; PMID 22168920
- Elghblawi E. Polycystic ovary syndrome and female reproduction. *Br J Nurs*. 2007 Oct 11-24;16(18):1118-21. Available from: PubMed; PMID 18073681
- Fan P, Liu H, Wang Y, Zhang F, Bai H. Apolipoprotein E-containing HDL-associated platelet-activating factor acetylhydrolase activities and malondialdehyde

- concentrations in patients with PCOS. *Reprod Biomed Online*. 2012 Feb;24(2):197-205. Available from: PubMed; PMID 22197603
- Flannery CA, Rackow B, Cong X, Duran E, Selen DJ, Burgert TS. Polycystic ovary syndrome in adolescence: impaired glucose tolerance occurs across the spectrum of BMI. *Pediatr Diabetes*. 2012 Aug 28. Available from: PubMed; PMID 22925367
- Forrester-Dumont K, Galescu O, Kolesnikov A, Raissouni N, Bhango A, Ten S, Suss A. Hyperandrogenism Does Not Influence Metabolic Parameters in Adolescent Girls with PCOS. *Int J Endocrinol*. 2012;2012:434830. Available from: PubMed; PMID 22536232
- Franceschi R, Gaudino R, Marcolongo A, Gallo MC, Rossi L, Antoniazzi F, Tato L. Prevalence of polycystic ovary syndrome in young women who had idiopathic central precocious puberty. *Fertil Steril*. 2010 Mar 1;93(4):1185-91. Available from: PubMed; PMID 19135667
- Franks S. Controversy in clinical endocrinology: diagnosis of polycystic ovarian syndrome: in defense of the Rotterdam criteria. *J Clin Endocrinol Metab*. 2006 Mar;91(3):786-9. Available from: PubMed; PMID 16418209
- Geisthovel F. A comment on the European Society of Human Reproduction and Embryology/American Society for Reproductive Medicine consensus of the polycystic ovarian syndrome. *Reprod Biomed Online*. 2003 Dec;7(6):602-5. Available from: PubMed; PMID 14748954
- Geisthovel F, Rabe T. The ESHRE/ASRM consensus on polycystic ovary syndrome (PCOS)--an extended critical analysis. *Reprod Biomed Online*. 2007 Apr;14(4):522-35. Available from: PubMed; PMID 17425838
- Gen R, Akbay E, Muslu N, Sezer K, Cayan F. Plasma visfatin level in lean women with PCOS: relation to proinflammatory markers and insulin resistance. *Gynecol Endocrinol*. 2009 Apr;25(4):241-5. Available from: PubMed; PMID 19408173
- Glintborg D, Mumm H, Ravn P, Andersen M. Age associated differences in prevalence of individual rotterdam criteria and metabolic risk factors during reproductive age in 446 caucasian women with polycystic ovary syndrome. *Horm Metab Res*. 2012 Sep;44(9):694-8. Available from: PubMed; PMID 22382934
- Gluszak O, Stopinska-Gluszak U, Glinicki P, Kapuscinska R, Snochowska H, Zgliczynski W, Debski R. Phenotype and metabolic disorders in polycystic ovary syndrome. *ISRN Endocrinol*. 2012;2012:569862. Available from: PubMed; PMID 22462015
- Goverde AJ, van Koert AJ, Eijkemans MJ, Knauff EA, Westerveld HE, Fauser BC, Broekmans FJ. Indicators for metabolic disturbances in anovulatory women with polycystic ovary syndrome diagnosed according to the Rotterdam consensus criteria. *Hum Reprod*. 2009 Mar;24(3):710-7. Available from: PubMed; PMID 19095675
- Guastella E, Longo RA, Carmina E. Clinical and endocrine characteristics of the main polycystic ovary syndrome phenotypes. *Fertil Steril*. 2010 Nov;94(6):2197-201. Available from: PubMed; PMID 20303485
- Guo M, Chen ZJ, Macklon NS, Shi YH, Westerveld HE, Eijkemans MJ, Fauser BC, Goverde AJ. Cardiovascular and metabolic characteristics of infertile Chinese women with PCOS diagnosed according to the Rotterdam consensus criteria. *Reprod Biomed Online*. 2010 Oct;21(4):572-80. Available from: PubMed; PMID 20800551
- Hahn S, Fingerhut A, Khomtsiv U, Khomtsiv L, Tan S, Quadbeck B, Herrmann BL, Knebel B, Muller-Wieland D, Mann K, Janssen OE. The peroxisome proliferator activated receptor gamma Pro12Ala polymorphism is associated with a lower hirsutism score and increased insulin sensitivity in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2005 May;62(5):573-9. Available from: PubMed; PMID 15853827
- Hahn S, Bering van Halteren W, Roesler S, Schmidt M, Kimmig R, Tan S, Mann K, Janssen OE. The combination of increased ovarian volume and follicle number is associated with more severe hyperandrogenism in German women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2006 Apr;114(4):175-81. Available from: PubMed; PMID 16705549
- Hassa H, Tanir HM, Yildiz Z. Comparison of clinical and laboratory characteristics of cases with polycystic ovarian syndrome based on Rotterdam's criteria and women whose only clinical signs are oligo/anovulation or hirsutism. *Arch Gynecol Obstet*. 2006 Jul;274(4):227-32. Available from: PubMed; PMID 16691383
- Hickey M, Doherty DA, Atkinson H, Sloboda DM, Franks S, Norman RJ, Hart R. Clinical, ultrasound and biochemical features of polycystic ovary syndrome in adolescents: implications for diagnosis. *Hum Reprod*. 2011 Jun;26(6):1469-77. Available from: PubMed; PMID 21478180
- Hollinrake E, Abreu A, Maifeld M, Van Voorhis BJ, Dokras A. Increased risk of depressive disorders in women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1369-76. Available from: PubMed; PMID 17397839
- Holm NS, Glintborg D, Andersen MS, Schledermand D, Ravn P. The prevalence of endometrial hyperplasia and endometrial cancer in women with polycystic ovary syndrome or hyperandrogenism. *Acta Obstet Gynecol Scand*. 2012 Oct;91(10):1173-6. Available from: PubMed; PMID 22583042



- Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab.* 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811
- Indhavivadhana S, Wongwananuruk T, Rattanachaiyanont M, Techatraisak K, Leerasiri P, Tanmahasamut P, Popijan M. Prevalence of metabolic syndrome in reproductive-aged polycystic ovary syndrome Thai women. *J Med Assoc Thai.* 2010 Jun;93(6):653-60. Available from: PubMed; PMID 20572369
- Jones H, Sprung VS, Pugh CJ, Daousi C, Irwin A, Aziz N, Adams VL, Thomas EL, Bell JD, Kemp GJ, Cuthbertson DJ. Polycystic Ovary Syndrome with Hyperandrogenism Is Characterized by an Increased Risk of Hepatic Steatosis Compared to Nonhyperandrogenic PCOS Phenotypes and Healthy Controls, Independent of Obesity and Insulin Resistance. *J Clin Endocrinol Metab.* 2012 Oct;97(10):3709-16. Available from: PubMed; PMID 22837189
- Kajaia N, Binder H, Dittrich R, Oppelt PG, Flor B, Cupisti S, Beckmann MW, Mueller A. Low sex hormone-binding globulin as a predictive marker for insulin resistance in women with hyperandrogenic syndrome. *Eur J Endocrinol.* 2007 Oct;157(4):499-507. Available from: PubMed; PMID 17893265
- Katulski K, Meczekalski B. [Natural history of polycyclic ovary syndrome]. *Pol Merkur Lekarski.* 2010 Jul;29(169):58-60. Available from: PubMed; PMID 20712252
- Katulski K, Czyzyk A, Meczekalski B. [The controversies in the diagnosis of polycystic ovary syndrome]. *Pol Merkur Lekarski.* 2012 Jul;33(193):32-7. Available from: PubMed; PMID 22993908
- Kauffman RP, Baker VM, DiMarino P, Castracane VD. Hyperinsulinemia and circulating dehydroepiandrosterone sulfate in white and Mexican American women with polycystic ovary syndrome. *Fertil Steril.* 2006 Apr;85(4):1010-6. Available from: PubMed; PMID 16580388
- Kauffman RP, Baker TE, Baker VM, DiMarino P, Castracane VD. Endocrine and metabolic differences among phenotypic expressions of polycystic ovary syndrome according to the 2003 Rotterdam consensus criteria. *Am J Obstet Gynecol.* 2008 Jun;198(6):670 e1-7; discussion e7-10. Available from: PubMed; PMID 18355776
- Kauffman RP, Tullar PE, Nipp RD, Castracane VD. Serum magnesium concentrations and metabolic variables in polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2011 May;90(5):452-8. Available from: PubMed; PMID 21306320
- Kosus N, Kosus A, Turhan NO, Kamalak Z. Do threshold values of ovarian volume and follicle number for diagnosing polycystic ovarian syndrome in Turkish women differ from western countries? *Eur J Obstet Gynecol Reprod Biol.* 2011 Feb;154(2):177-81. Available from: PubMed; PMID 21051133
- Kumarapeli V, Seneviratne Rde A, Wijeyaratne CN, Yapa RM, Dodampahala SH. A simple screening approach for assessing community prevalence and phenotype of polycystic ovary syndrome in a semi-urban population in Sri Lanka. *Am J Epidemiol.* 2008 Aug 1;168(3):321-8. Available from: PubMed; PMID 18550559
- Lam PM, Ma RC, Cheung LP, Chow CC, Chan JC, Haines CJ. Polycystic ovarian syndrome in Hong Kong Chinese women: patient characteristics and diagnostic criteria. *Hong Kong Med J.* 2005 Oct;11(5):336-41. Available from: PubMed; PMID 16219952
- Lam PM, Tam WH, Cheung LP. Higher metabolic risk in Chinese women fulfilling the NIH diagnostic criteria for polycystic ovarian syndrome. *Fertil Steril.* 2009 Apr;91(4 Suppl):1493-5. Available from: PubMed; PMID 18851848
- Lam PM, Tam WH, Ma RC, Cheung LP, Tsui MH, Tong PC, Chow FC, Lam CW, Chan MH, Chan JC, Haines CJ. The reproductive and metabolic effect of rosiglitazone on Chinese women with polycystic ovarian syndrome--a double-blind randomized placebo-controlled study. *Fertil Steril.* 2011 Aug;96(2):445-51 e1. Available from: PubMed; PMID 21722894
- Lambrinoudaki I. Cardiovascular risk in postmenopausal women with the polycystic ovary syndrome. *Maturitas.* 2011 Jan;68(1):13-6. Available from: PubMed; PMID 20943333
- Lane DE. Polycystic ovary syndrome and its differential diagnosis. *Obstet Gynecol Surv.* 2006 Feb;61(2):125-35. Available from: PubMed; PMID 16433936
- Lewandowski KC, Cajdler-Luba A, Bienkiewicz M, Lewinski A. Women with oligo-/amenorrhoea and polycystic ovaries have identical responses to GnRH stimulation regardless of their androgen status: comparison of the Rotterdam and Androgen Excess Society diagnostic criteria. *Neuro Endocrinol Lett.* 2011;32(6):847-56. Available from: PubMed; PMID 22286802
- Li M, Song J, Chen SL, Luo C, Ni YP, Wang QL, Zheng HY, Wu FR. [Association of the clinical characteristics and the IVF-ET outcome in infertile women with polycystic ovarian syndrome of different subtypes]. *Nan Fang Yi Ke Da Xue Xue Bao.* 2009 Feb;29(2):224-7. Available from: PubMed; PMID 19246284
- Lujan ME, Podolski AJ, Chizen DR, Lehotay DC, Pierson RA. Digit ratios by computer-assisted analysis confirm lack of anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Reprod*

- Biol Endocrinol. 2010;8:156. Available from: PubMed; PMID 21189149
- Ma YM, Li R, Qiao J, Zhang XW, Wang SY, Zhang QF, Li L, Tu BB, Zhang X. Characteristics of abnormal menstrual cycle and polycystic ovary syndrome in community and hospital populations. *Chin Med J (Engl)*. 2010 Aug;123(16):2185-9. Available from: PubMed; PMID 20819662
- Mansson M, Holte J, Landin-Wilhelmsen K, Dahlgren E, Johansson A, Landen M. Women with polycystic ovary syndrome are often depressed or anxious--a case control study. *Psychoneuroendocrinology*. 2008 Sep;33(8):1132-8. Available from: PubMed; PMID 18672334
- Mansson M, Norstrom K, Holte J, Landin-Wilhelmsen K, Dahlgren E, Landen M. Sexuality and psychological wellbeing in women with polycystic ovary syndrome compared with healthy controls. *Eur J Obstet Gynecol Reprod Biol*. 2011 Apr;155(2):161-5. Available from: PubMed; PMID 21232840
- March WA, Moore VM, Willson KJ, Phillips DI, Norman RJ, Davies MJ. The prevalence of polycystic ovary syndrome in a community sample assessed under contrasting diagnostic criteria. *Hum Reprod*. 2010 Feb;25(2):544-51. Available from: PubMed; PMID 19910321
- Marciniak A, Starczewski A. [The role of leptin in polycystic ovary syndrome]. *Pol Merkur Lekarski*. 2008 Oct;25(148):390-3. Available from: PubMed; PMID 19145943
- Marcondes JA. [Hirsutism: differential diagnosis]. *Arq Bras Endocrinol Metabol*. 2006 Dec;50(6):1108-16. Available from: PubMed; PMID 17221119
- Mehrabian F, Khani B, Kelishadi R, Ghanbari E. The prevalence of polycystic ovary syndrome in Iranian women based on different diagnostic criteria. *Endokrynol Pol*. 2011;62(3):238-42. Available from: PubMed; PMID 21717406
- Mehrabian F, Khani B, Kelishadi R, Kermani N. The prevalence of metabolic syndrome and insulin resistance according to the phenotypic subgroups of polycystic ovary syndrome in a representative sample of Iranian females. *J Res Med Sci*. 2011 Jun;16(6):763-9. Available from: PubMed; PMID 22091305
- Melo AS, Macedo CS, Romano LG, Ferriani RA, Navarro PA. [Women with polycystic ovary syndrome have a higher frequency of metabolic syndrome regardless of body mass index]. *Rev Bras Ginecol Obstet*. 2012 Jan;34(1):4-10. Available from: PubMed; PMID 22358341
- Merino P, Schulin-Zeuthen C, Codner E. [Current diagnosis of polycystic ovary syndrome: expanding the phenotype but generating new questions]. *Rev Med Chil*. 2009 Aug;137(8):1071-80. Available from: PubMed; PMID 19915773
- Mohamadin AM, Habib FA, Al-Saggaf AA. Cardiovascular disease markers in women with polycystic ovary syndrome with emphasis on asymmetric dimethylarginine and homocysteine. *Ann Saudi Med*. 2010 Jul-Aug;30(4):278-83. Available from: PubMed; PMID 20622344
- Moran C, Tena G, Moran S, Ruiz P, Reyna R, Duque X. Prevalence of polycystic ovary syndrome and related disorders in Mexican women. *Gynecol Obstet Invest*. 2010;69(4):274-80. Available from: PubMed; PMID 20110726
- Mortensen M, Ehrmann DA, Littlejohn E, Rosenfield RL. Asymptomatic volunteers with a polycystic ovary are a functionally distinct but heterogeneous population. *J Clin Endocrinol Metab*. 2009 May;94(5):1579-86. Available from: PubMed; PMID 19240158
- Mourali M, Fkih C, Essoussi-Chikhaoui J, Ben Hadj HA, Binous N, Ben Zineb N. [Polycystic ovary syndrome with infertility]. *Tunis Med*. 2008 Nov;86(11):963-72. Available from: PubMed; PMID 19213486
- Mueller A, Gooren LJ, Naton-Schotz S, Cupisti S, Beckmann MW, Dittrich R. Prevalence of polycystic ovary syndrome and hyperandrogenemia in female-to-male transsexuals. *J Clin Endocrinol Metab*. 2008 Apr;93(4):1408-11. Available from: PubMed; PMID 18211977
- Najem F, Elmehdawi R, Swalem A. Clinical and Biochemical Characteristics of Polycystic Ovary Syndrome in Benghazi- Libya; A Retrospective study. *Libyan J Med*. 2008;3(2):71-4. Available from: PubMed; PMID 21499461
- Nardo LG, Gelbaya TA. Evidence-based approach for the use of ultrasound in the management of polycystic ovary syndrome. *Minerva Ginecol*. 2008 Feb;60(1):83-9. Available from: PubMed; PMID 18277355
- Nardo LG, Yates AP, Roberts SA, Pemberton P, Laing I. The relationships between AMH, androgens, insulin resistance and basal ovarian follicular status in non-obese subfertile women with and without polycystic ovary syndrome. *Hum Reprod*. 2009 Nov;24(11):2917-23. Available from: PubMed; PMID 19617605
- Nawaz FH, Rizvi J. Continuation of metformin reduces early pregnancy loss in obese Pakistani women with polycystic ovarian syndrome. *Gynecol Obstet Invest*. 2010;69(3):184-9. Available from: PubMed; PMID 20029224
- Nestler JE. The Androgen Excess Society guidelines on glucose intolerance in the polycystic ovary syndrome: what do they mean and what should we do? *Pol Arch Med Wewn*. 2008 May;118(5):264-6. Available from: PubMed; PMID 18619175

Ni RM, Mo Y, Chen X, Zhong J, Liu W, Yang D. Low prevalence of the metabolic syndrome but high occurrence of various metabolic disorders in Chinese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Sep;161(3):411-8. Available from: PubMed; PMID 19542239

Nidhi R, Padmalatha V, Nagarathna R, Amritanshu R. Prevalence of polycystic ovarian syndrome in Indian adolescents. *J Pediatr Adolesc Gynecol*. 2011 Aug;24(4):223-7. Available from: PubMed; PMID 21600812

Oh JY, Sung YA, Lee HJ, Oh JY, Chung HW, Park H. Optimal waist circumference for prediction of metabolic syndrome in young Korean women with polycystic ovary syndrome. *Obesity (Silver Spring)*. 2010 Mar;18(3):593-7. Available from: PubMed; PMID 19763092

Okoroh EM, Hooper WC, Atrash HK, Yusuf HR, Boulet SL. Prevalence of polycystic ovary syndrome among the privately insured, United States, 2003-2008. *Am J Obstet Gynecol*. 2012 Oct;207(4):299 e1-7. Available from: PubMed; PMID 22921097

Orio F, Azziz R. Report on the Third Annual Meeting of the Androgen Excess Society, San Diego, California, June 3, 2005. *Fertil Steril*. 2006 Nov;86(5):1318-20. Available from: PubMed; PMID 17070190

Overbeek A, Kuijper EA, Hendriks ML, Blankenstein MA, Ketel IJ, Twisk JW, Hompes PG, Homburg R, Lambalk CB. Clomiphene citrate resistance in relation to follicle-stimulating hormone receptor Ser680Ser-polymorphism in polycystic ovary syndrome. *Hum Reprod*. 2009 Aug;24(8):2007-13. Available from: PubMed; PMID 19401323

Panidis D, Asteriadis C, Georgopoulos NA, Katsikis I, Zournatzi V, Karkanaki A, Saltamavros AD, Decavalas G, Diamanti-Kandaraki E. Decreased active, total and altered active to total ghrelin ratio in normal weight women with the more severe form of polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2010 Apr;149(2):170-4. Available from: PubMed; PMID 20096985

Panidis D, Macut D, Tziomalos K, Papadakis E, Mikhailidis K, Kandaraki EA, Tsourdi EA, Tantanasis T, Mavromatidis G, Katsikis I. Prevalence of metabolic syndrome in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Aug 13. Available from: PubMed; PMID 22888988

Pascual MA, Graupera B, Hereter L, Tresserra F, Rodriguez I, Alcazar JL. Assessment of ovarian vascularization in the polycystic ovary by three-dimensional power Doppler ultrasonography. *Gynecol Endocrinol*. 2008 Nov;24(11):631-6. Available from: PubMed; PMID 19031220

Pekhlivanov B, Kaleva-Khodzheva N, Orbetsova M, Mitkov M. [Metabolic syndrome in women with polycystic ovary syndrome]. *Akush Ginekol (Sofia)*. 2007;46(9):37-40. Available from: PubMed; PMID 18646307

Petranyi G, Zaoura-Petranyi M. [Metformin treatment with or without life style changes in patients with polycystic ovary syndrome]. *Orv Hetil*. 2011 Apr 17;152(16):628-32. Available from: PubMed; PMID 21454179

Pigny P, Jonard S, Robert Y, Dewailly D. Serum anti-Mullerian hormone as a surrogate for antral follicle count for definition of the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Mar;91(3):941-5. Available from: PubMed; PMID 16368745

Popovska-Dimova Z, Krstevska B. The frequency of insulin resistance calculated upon the basis of a fasting glucose to insulin ratio and characteristics of insulin resistant women with polycystic ovary syndrome. *Prilozi*. 2006 Jul;27(1):87-95. Available from: PubMed; PMID 16985482

Porter MB. Polycystic ovary syndrome: the controversy of diagnosis by ultrasound. *Semin Reprod Med*. 2008 May;26(3):241-51. Available from: PubMed; PMID 18504699

Pusalkar M, Meherji P, Gokral J, Chinnaraj S, Maitra A. CYP11A1 and CYP17 promoter polymorphisms associate with hyperandrogenemia in polycystic ovary syndrome. *Fertil Steril*. 2009 Aug;92(2):653-9. Available from: PubMed; PMID 18725155

Qu ZY, Shi YH, Zhao DN, Jiang JJ, Ma ZX, Chen ZJ. [Effect of obesity on nonalcoholic fatty liver disease in Chinese women with polycystic ovary syndrome]. *Zhonghua Yi Xue Za Zhi*. 2010 Aug 3;90(29):2036-9. Available from: PubMed; PMID 21029639

Rackow BW. Polycystic ovary syndrome in adolescents. *Curr Opin Obstet Gynecol*. 2012 Oct;24(5):281-7. Available from: PubMed; PMID 22781076

Reyss AC, Proust-Richard C, Catteau-Jonard S, Dewailly D. [Rotterdam consensus in adolescent girls: which investigations and how to interpret them to make the diagnosis of PCOS?]. *Gynecol Obstet Fertil*. 2006 Apr;34(4):341-6. Available from: PubMed; PMID 16630737

Robin G, Catteau-Jonard S, Young J, Dewailly D. [Physiopathological link between polycystic ovary syndrome and hyperprolactinemia: myth or reality?]. *Gynecol Obstet Fertil*. 2011 Mar;39(3):141-5. Available from: PubMed; PMID 21388855

Rosenfield RL, Wroblewski K, Padmanabhan V, Littlejohn E, Mortensen M, Ehrmann DA. Antimullerian hormone levels are independently related to ovarian hyperandrogenism and polycystic ovaries. *Fertil Steril*.

2012 Jul;98(1):242-9. Available from: PubMed; PMID 22541936

Rudnicka E, Kunicki M, Radowicki S. [Androgen and 17-hydroxyprogesterone concentrations in blood serum versus menstrual patterns in women with polycystic ovary syndrome (PCOS)]. *Ginekol Pol.* 2010 Oct;81(10):745-9. Available from: PubMed; PMID 21117302

Salley KE, Wickham EP, Cheang KI, Essah PA, Karjane NW, Nestler JE. Glucose intolerance in polycystic ovary syndrome--a position statement of the Androgen Excess Society. *J Clin Endocrinol Metab.* 2007 Dec;92(12):4546-56. Available from: PubMed; PMID 18056778

Schmidt J, Brannstrom M, Landin-Wilhelmsen K, Dahlgren E. Reproductive hormone levels and anthropometry in postmenopausal women with polycystic ovary syndrome (PCOS): a 21-year follow-up study of women diagnosed with PCOS around 50 years ago and their age-matched controls. *J Clin Endocrinol Metab.* 2011 Jul;96(7):2178-85. Available from: PubMed; PMID 21508129

Schmidt J, Dahlgren E, Brannstrom M, Landin-Wilhelmsen K. Body composition, bone mineral density and fractures in late postmenopausal women with polycystic ovary syndrome - a long-term follow-up study. *Clin Endocrinol (Oxf).* 2012 Aug;77(2):207-14. Available from: PubMed; PMID 22385110

Seneviratne HR, Lankeshwara D, Wijeratne S, Somasunderam N, Athukorale D. Serum insulin patterns and the relationship between insulin sensitivity and glycaemic profile in women with polycystic ovary syndrome. *BJOG.* 2009 Dec;116(13):1722-8. Available from: PubMed; PMID 19775306

Shroff R, Syrop CH, Davis W, Van Voorhis BJ, Dokras A. Risk of metabolic complications in the new PCOS phenotypes based on the Rotterdam criteria. *Fertil Steril.* 2007 Nov;88(5):1389-95. Available from: PubMed; PMID 17462641

Soares EM, Azevedo GD, Gadelha RG, Lemos TM, Maranhao TM. Prevalence of the metabolic syndrome and its components in Brazilian women with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):649-55. Available from: PubMed; PMID 17543961

Svendsen PF, Madsbad S, Nilas L. The insulin-resistant phenotype of polycystic ovary syndrome. *Fertil Steril.* 2010 Aug;94(3):1052-8. Available from: PubMed; PMID 19580964

Tan S, Scherag A, Janssen OE, Hahn S, Lahner H, Dietz T, Scherag S, Grallert H, Vogel CI, Kimmig R, Illig T, Mann K, Hebebrand J, Hinney A. Large effects on body mass index and insulin resistance of fat mass and obesity associated gene (FTO) variants in patients with polycystic ovary syndrome (PCOS). *BMC Med Genet.* 2010;11:12. Available from: PubMed; PMID 20092643

Tehrani FR, Rashidi H, Azizi F. The prevalence of idiopathic hirsutism and polycystic ovary syndrome in the Tehran Lipid and Glucose Study. *Reprod Biol Endocrinol.* 2011;9:144. Available from: PubMed; PMID 22044512

Tehrani FR, Simbar M, Tohidi M, Hosseinpanah F, Azizi F. The prevalence of polycystic ovary syndrome in a community sample of Iranian population: Iranian PCOS prevalence study. *Reprod Biol Endocrinol.* 2011;9:39. Available from: PubMed; PMID 21435276

Trivax B, Azziz R. Diagnosis of polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):168-77. Available from: PubMed; PMID 17304034

Valkenburg O, Steegers-Theunissen RP, Smedts HP, Dallinga-Thie GM, Fauser BC, Westerveld EH, Laven JS. A more atherogenic serum lipoprotein profile is present in women with polycystic ovary syndrome: a case-control study. *J Clin Endocrinol Metab.* 2008 Feb;93(2):470-6. Available from: PubMed; PMID 18056772

Valkenburg O, Uitterlinden AG, Piersma D, Hofman A, Themmen AP, de Jong FH, Fauser BC, Laven JS. Genetic polymorphisms of GnRH and gonadotrophic hormone receptors affect the phenotype of polycystic ovary syndrome. *Hum Reprod.* 2009 Aug;24(8):2014-22. Available from: PubMed; PMID 19403562

Valkenburg O, Uitterlinden AG, Themmen AP, de Jong FH, Hofman A, Fauser BC, Laven JS. Genetic polymorphisms of the glucocorticoid receptor may affect the phenotype of women with anovulatory polycystic ovary syndrome. *Hum Reprod.* 2011 Oct;26(10):2902-11. Available from: PubMed; PMID 21803757

Vanky E, Stridsklev S, Skogoy K, Kleggetveit O, Hjelle S, Brandis PV, Eikeland T, Flo K, Berg KF, Bunford G, Lund A, Bjerke C, Almas I, Berg AH, Danielsson A, Lahmami G, Carlsen SM. PCOS--what matters in early pregnancy?--data from a cross-sectional, multicenter study. *Acta Obstet Gynecol Scand.* 2011 Apr;90(4):398-404. Available from: PubMed; PMID 21306318

Vassiliadi DA, Barber TM, Hughes BA, McCarthy MI, Wass JA, Franks S, Nightingale P, Tomlinson JW, Arlt W, Stewart PM. Increased 5 alpha-reductase activity and adrenocortical drive in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Sep;94(9):3558-66. Available from: PubMed; PMID 19567518

Vrbikova J, Bendlova B. [Polycystic ovary syndrome in 2006]. *Cas Lek Cesk.* 2007;146(3):218-22. Available from: PubMed; PMID 17419303

Vrbikova J, Fanta M, Pelikanova T, Skrha J, Marek J. [A recommended approach to evaluate cardiovascular risk and to prevent cardiovascular diseases and type 2 diabetes mellitus in women with polycystic ovary syndrome]. *Vnitr Lek.* 2012 Jan;58(1):56-7. Available from: PubMed; PMID 22448702

Wang JG, Lobo RA. The complex relationship between hypothalamic amenorrhea and polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Apr;93(4):1394-7. Available from: PubMed; PMID 18230664

Wang Y, Qu J, Wu X, Hou L, Erkkola R, Wang Y. Different phenotypes of polycystic ovary syndrome by Rotterdam criteria are differently steroidogenic but similarly insulin resistant. *Fertil Steril.* 2010 Mar 1;93(4):1362-5. Available from: PubMed; PMID 19782351

Welt CK, Gudmundsson JA, Arason G, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Characterizing discrete subsets of polycystic ovary syndrome as defined by the Rotterdam criteria: the impact of weight on phenotype and metabolic features. *J Clin Endocrinol Metab.* 2006 Dec;91(12):4842-8. Available from: PubMed; PMID 17003085

Welt CK, Styrkarsdottir U, Ehrmann DA, Thorleifsson G, Arason G, Gudmundsson JA, Ober C, Rosenfield RL, Saxena R, Thorsteinsdottir U, Crowley WF, Stefansson K. Variants in DENND1A are associated with polycystic ovary syndrome in women of European ancestry. *J Clin Endocrinol Metab.* 2012 Jul;97(7):E1342-7. Available from: PubMed; PMID 22547425

Wertheim K, Sobczynska-Tomaszewska A, Bal J. [Search for the etiopathogenesis of polycystic ovary syndrome (PCOS)]. *Ginekol Pol.* 2007 Aug;78(8):626-31. Available from: PubMed; PMID 18050612

Westerveld HE, Hoogendoorn M, de Jong AW, Goverde AJ, Fauser BC, Dallinga-Thie GM. Cardiometabolic abnormalities in the polycystic ovary syndrome: pharmacotherapeutic insights. *Pharmacol Ther.* 2008 Sep;119(3):223-41. Available from: PubMed; PMID 18602948

Wijeyaratne CN, Seneviratne Rde A, Dahanayake S, Kumarapeli V, Palipane E, Kuruppu N, Yapa C, Seneviratne Rde A, Balen AH. Phenotype and metabolic profile of South Asian women with polycystic ovary syndrome (PCOS): results of a large database from a specialist Endocrine Clinic. *Hum Reprod.* 2011 Jan;26(1):202-13. Available from: PubMed; PMID 21098627

Wongwananuruk T, Indhavivadhana S, Rattanachaiyanont M, Techatraisak K, Leerasiri P, Tanmahasamut P, Angsuwathana S, Dangrat C. Characteristics of 250 reproductive-aged polycystic ovary syndrome Thai women at Siriraj Hospital. *J Med Assoc Thai.* 2010 Apr;93(4):399-405. Available from: PubMed; PMID 20462080

Wu J, Zhu Y, Jiang Y, Cao Y. Effects of metformin and ethinyl estradiol-cyproterone acetate on clinical, endocrine and metabolic factors in women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2008 Jul;24(7):392-8. Available from: PubMed; PMID 18608522

Yasar L, Ekin M, Gedikbasi A, Erturk AD, Savan K, Ozdemir A, Temur M. Serum adiponectin levels in high school girls with polycystic ovary syndrome and hyperandrogenism. *J Pediatr Adolesc Gynecol.* 2011 Apr;24(2):90-3. Available from: PubMed; PMID 21190873

Yildiz BO, Bozdag G, Yapici Z, Esinler I, Yarali H. Prevalence, phenotype and cardiometabolic risk of polycystic ovary syndrome under different diagnostic criteria. *Hum Reprod.* 2012 Oct;27(10):3067-73. Available from: PubMed; PMID 22777527

Yilmaz M, Isaoglu U, Delibas IB, Kadanali S. Anthropometric, clinical and laboratory comparison of four phenotypes of polycystic ovary syndrome based on Rotterdam criteria. *J Obstet Gynaecol Res.* 2011 Aug;37(8):1020-6. Available from: PubMed; PMID 21481088

Zhang HY, Zhu FF, Xiong J, Shi XB, Fu SX. Characteristics of different phenotypes of polycystic ovary syndrome based on the Rotterdam criteria in a large-scale Chinese population. *BJOG.* 2009 Nov;116(12):1633-9. Available from: PubMed; PMID 19781047

Zhang HY, Guo CX, Zhu FF, Qu PP, Lin WJ, Xiong J. Clinical characteristics, metabolic features, and phenotype of Chinese women with polycystic ovary syndrome: a large-scale case-control study. *Arch Gynecol Obstet.* 2012 Oct 30. Available from: PubMed; PMID 23108387

Zhang J, Fan P, Liu H, Bai H, Wang Y, Zhang F. Apolipoprotein A-I and B levels, dyslipidemia and metabolic syndrome in south-west Chinese women with PCOS. *Hum Reprod.* 2012 Aug;27(8):2484-93. Available from: PubMed; PMID 22674204

Zhao X, Zhong J, Mo Y, Chen X, Chen Y, Yang D. Association of biochemical hyperandrogenism with type 2 diabetes and obesity in Chinese women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2010 Feb;108(2):148-51. Available from: PubMed; PMID 19932893

## Diagnostic Criteria: Without Phenotypes

Revised 2003 consensus on diagnostic criteria and long-term health risks related to polycystic ovary syndrome. *Fertil Steril.* 2004 Jan;81(1):19-25. Available from: PubMed; PMID 14711538

Revised 2003 consensus on diagnostic criteria and long-term health risks related to polycystic ovary syndrome (PCOS). *Hum Reprod.* 2004 Jan;19(1):41-7. Available from: PubMed; PMID 14688154

- PCOS (polycystic ovary syndrome): a multifaceted disease from adolescence to elderly. Proceedings of the second Special Scientific Meeting of the Androgen Excess Society. September 30-October 1, 2005. Ravello, Italy. *Fertil Steril*. 2006 Jul;86 Suppl 1:S1-31. Available from: PubMed; PMID 16798272
- Akbarzadeh S, Ghasemi S, Kalantarhormozi M, Nabipour I, Abbasi F, Aminfar A, Jaffari SM, Motamed N, Movahed A, Mirzaei M, Rahbar AR. Relationship among plasma adipokines, insulin and androgens level as well as biochemical glycemic and lipidemic markers with incidence of PCOS in women with normal BMI. *Gynecol Endocrinol*. 2012 Jul;28(7):521-4. Available from: PubMed; PMID 22309615
- Akgul S, Derman O, Alikasifoglu M, Aktas D. CYP1A1 polymorphism in adolescents with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2011 Jan;112(1):8-10. Available from: PubMed; PMID 20965504
- Alcazar JL, Kudla MJ. Ovarian stromal vessels assessed by spatiotemporal image correlation-high definition flow in women with polycystic ovary syndrome: a case-control study. *Ultrasound Obstet Gynecol*. 2012 Oct;40(4):470-5. Available from: PubMed; PMID 22605534
- Allemand MC, Tummon IS, Phy JL, Foong SC, Dumesic DA, Session DR. Diagnosis of polycystic ovaries by three-dimensional transvaginal ultrasound. *Fertil Steril*. 2006 Jan;85(1):214-9. Available from: PubMed; PMID 16412756
- Altieri P, Cavazza C, Pasqui F, Morselli AM, Gambineri A, Pasquali R. Dietary habits and their relationship with hormones and metabolism in overweight and obese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Jan 30. Available from: PubMed; PMID 22288821
- Amato MC, Galluzzo A, Merlino S, Mattina A, Richiusa P, Criscimanna A, Giordano C. Lower insulin sensitivity differentiates hirsute from non-hirsute Sicilian women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Dec;155(6):859-65. Available from: PubMed; PMID 17132756
- Amato MC, Galluzzo A, Finocchiaro S, Criscimanna A, Giordano C. The evaluation of metabolic parameters and insulin sensitivity for a more robust diagnosis of the polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2008 Jul;69(1):52-60. Available from: PubMed; PMID 18034780
- Amato MC, Verghe M, Galluzzo A, Giordano C. The oligomenorrhic phenotypes of polycystic ovary syndrome are characterized by a high visceral adiposity index: a likely condition of cardiometabolic risk. *Hum Reprod*. 2011 Jun;26(6):1486-94. Available from: PubMed; PMID 21447694
- Anafroglu I, Algun E, Incecayir O, Ersoy K. Higher metabolic risk with National Institutes of Health versus Rotterdam diagnostic criteria for polycystic ovarian syndrome in Turkish women. *Metab Syndr Relat Disord*. 2011 Oct;9(5):375-80. Available from: PubMed; PMID 21657888
- Anafroglu I, Topbas M, Algun E. Relative associations of polycystic ovarian syndrome vs metabolic syndrome with thyroid function, volume, nodularity and autoimmunity. *J Endocrinol Invest*. 2011 Oct;34(9):e259-64. Available from: PubMed; PMID 21521934
- Artini PG, Di Berardino OM, Simi G, Papini F, Ruggiero M, Monteleone P, Cela V. Best methods for identification and treatment of PCOS. *Minerva Ginecol*. 2010 Feb;62(1):33-48. Available from: PubMed; PMID 20186113
- Azim M, Naver KV, Wissing ML, Mikkelsen AL, Nilas L, Skouby SO. Polycystic ovary syndrome: infertility, cardiovascular, metabolic and obstetrical risks, laboratory and clinical outcomes -- the PICOLO Study. *Gynecol Endocrinol*. 2012 Apr;28(4):253-8. Available from: PubMed; PMID 22217188
- Azziz R. PCOS: a diagnostic challenge. *Reprod Biomed Online*. 2004 Jun;8(6):644-8. Available from: PubMed; PMID 15169578
- Azziz R. Diagnostic criteria for polycystic ovary syndrome: a reappraisal. *Fertil Steril*. 2005 May;83(5):1343-6. Available from: PubMed; PMID 15866567
- Azziz R. Controversy in clinical endocrinology: diagnosis of polycystic ovarian syndrome: the Rotterdam criteria are premature. *J Clin Endocrinol Metab*. 2006 Mar;91(3):781-5. Available from: PubMed; PMID 16418211
- Azziz R, Carmina E, Dewailly D, Diamanti-Kandarakis E, Escobar-Morreale HF, Futterweit W, Janssen OE, Legro RS, Norman RJ, Taylor AE, Witchel SF. Positions statement: criteria for defining polycystic ovary syndrome as a predominantly hyperandrogenic syndrome: an Androgen Excess Society guideline. *J Clin Endocrinol Metab*. 2006 Nov;91(11):4237-45. Available from: PubMed; PMID 16940456
- Barber TM, Wass JA, McCarthy MI, Franks S. Metabolic characteristics of women with polycystic ovaries and oligo-amenorrhoea but normal androgen levels: implications for the management of polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Apr;66(4):513-7. Available from: PubMed; PMID 17371468
- Barber TM, Alvey C, Greenslade T, Gooding M, Barber D, Smith R, Marland A, Wass JA, Child T, McCarthy MI, Franks S, Golding SJ. Patterns of ovarian morphology in polycystic ovary syndrome: a study utilising magnetic resonance imaging. *Eur Radiol*. 2010 May;20(5):1207-13. Available from: PubMed; PMID 19890641
- Bazarganipour F, Ziaei S, Montazeri A, Faghihzadeh S, Frozanfar F. Psychometric properties of the Iranian version of modified polycystic ovary syndrome health-

- related quality-of-life questionnaire. *Hum Reprod.* 2012 Sep;27(9):2729-36. Available from: PubMed; PMID 22740491
- Belosi C, Giuliani M, Suriano R, Sagnella F, Lanzone A. [Diagnosis of polycystic ovary syndrome]. *Minerva Ginecol.* 2004 Feb;56(1):7-13. Available from: PubMed; PMID 14973406
- Belosi C, Selvaggi L, Apa R, Guido M, Romualdi D, Fulghesu AM, Lanzone A. Is the PCOS diagnosis solved by ESHRE/ASRM 2003 consensus or could it include ultrasound examination of the ovarian stroma? *Hum Reprod.* 2006 Dec;21(12):3108-15. Available from: PubMed; PMID 17053004
- Ben Ayed B, Dammak dit Mlik S, Ben Arab H, Trabelssi H, Chahtour H, Mathlouthi N, DhuiB M, Kassis M, Saiidane D, Trabelssi K, Guermazi M. Metformin effects on clomifene-induced ovulation in the polycystic ovary syndrome. *Tunis Med.* 2009 Jan;87(1):43-9. Available from: PubMed; PMID 19522426
- Ben Salem Hachmi L, Ben Salem Hachmi S, Bouzid C, Younsi N, Smida H, Bouguerra R, Ben Slama C. [Hypertension in polycystic ovary syndrome]. *Arch Mal Coeur Vaiss.* 2006 Jul-Aug;99(7-8):687-90. Available from: PubMed; PMID 17061445
- Benetti-Pinto CL, Berini Piccolo VR, Garmes HM, Teatin Juliato CR. Subclinical hypothyroidism in young women with polycystic ovary syndrome: an analysis of clinical, hormonal, and metabolic parameters. *Fertil Steril.* 2012 Oct 25. Available from: PubMed; PMID 23103018
- Bennet A. [Rotterdam consensus in adolescent girls: which investigations and how to interpret them to make the diagnosis of PCOS? *Gynecol Obstet Fertil* 2006;34:341-6]. *Gynecol Obstet Fertil.* 2006 Oct;34(10):995-6. Available from: PubMed; PMID 16987685
- Bhattacharya SM. Insulin resistance and overweight-obese women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2010 May;26(5):344-7. Available from: PubMed; PMID 19903118
- Bhattacharya SM, Ghosh M. Insulin resistance and adolescent girls with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2010 Jun;23(3):158-61. Available from: PubMed; PMID 19963413
- Bhattacharya SM, Jha A. Prevalence and risk of metabolic syndrome in adolescent Indian girls with polycystic ovary syndrome using the 2009 'joint interim criteria'. *J Obstet Gynaecol Res.* 2011 Oct;37(10):1303-7. Available from: PubMed; PMID 21535308
- Bhattacharya SM, Jha A. Comparative study of the therapeutic effects of oral contraceptive pills containing desogestrel, cyproterone acetate, and drospirenone in patients with polycystic ovary syndrome. *Fertil Steril.* 2012 Oct;98(4):1053-9. Available from: PubMed; PMID 22795636
- Broder-Fingert S, Shah B, Kessler M, Pawelczak M, David R. Evaluation of adolescents for polycystic ovary syndrome in an urban population. *J Clin Res Pediatr Endocrinol.* 2009;1(4):188-93. Available from: PubMed; PMID 21274294
- Broekmans FJ, Knauff EA, Valkenburg O, Laven JS, Eijkemans MJ, Fauser BC. PCOS according to the Rotterdam consensus criteria: Change in prevalence among WHO-II anovulation and association with metabolic factors. *BJOG.* 2006 Oct;113(10):1210-7. Available from: PubMed; PMID 16972863
- Bronstein J, Tawdekar S, Liu Y, Pawelczak M, David R, Shah B. Age of onset of polycystic ovarian syndrome in girls may be earlier than previously thought. *J Pediatr Adolesc Gynecol.* 2011 Feb;24(1):15-20. Available from: PubMed; PMID 21262477
- Brown ZA, Louwers YV, Fong SL, Valkenburg O, Birnie E, de Jong FH, Fauser BC, Laven JS. The phenotype of polycystic ovary syndrome ameliorates with aging. *Fertil Steril.* 2011 Nov;96(5):1259-65. Available from: PubMed; PMID 21963227
- Bruni V, Dei M, Nannini S, Balzi D, Nuvolone D. Polycystic ovary syndrome in adolescence. *Ann N Y Acad Sci.* 2010 Sep;1205:175-84. Available from: PubMed; PMID 20840270
- Brzozowska MM, Ostapowicz G, Weltman MD. An association between non-alcoholic fatty liver disease and polycystic ovarian syndrome. *J Gastroenterol Hepatol.* 2009 Feb;24(2):243-7. Available from: PubMed; PMID 19215335
- Burgers JA, Fong SL, Louwers YV, Valkenburg O, de Jong FH, Fauser BC, Laven JS. Oligoovulatory and anovulatory cycles in women with polycystic ovary syndrome (PCOS): what's the difference? *J Clin Endocrinol Metab.* 2010 Dec;95(12):E485-9. Available from: PubMed; PMID 20843954
- Caglar GS, Oztas E, Karadag D, Pabuccu R, Eren AA. The association of urinary albumin excretion and metabolic complications in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jan;154(1):57-61. Available from: PubMed; PMID 20888116
- Cakir E, Ozbek M, Ozkaya E, Colak N, Cakal E, Sayki M, Gungunes A, Aliyazicioglu Y, Mentese A, Delibasi T. Oxidative stress markers are not valuable markers in lean and early age of polycystic ovary syndrome patients. *J Endocrinol Invest.* 2011 Jul-Aug;34(7):e178-82. Available from: PubMed; PMID 21088474
- Capalbo A, Sagnella F, Apa R, Fulghesu AM, Lanzone A, Morciano A, Farcomeni A, Gangale MF, Moro F, Martinez D, Ciardulli A, Palla C, Uras ML, Spettu F, Cappai A,

- Carcassi C, Neri G, Tiziano FD. The 312N variant of the luteinizing hormone/choriogonadotropin receptor gene (LHCGR) confers up to 2.7-fold increased risk of polycystic ovary syndrome in a Sardinian population. *Clin Endocrinol (Oxf)*. 2012 Jul;77(1):113-9. Available from: PubMed; PMID 22356187
- Carmina E. Diagnosis of polycystic ovary syndrome: from NIH criteria to ESHRE-ASRM guidelines. *Minerva Ginecol*. 2004 Feb;56(1):1-6. Available from: PubMed; PMID 14973405
- Carmina E, Campagna AM, Lobo RA. A 20-year follow-up of young women with polycystic ovary syndrome. *Obstet Gynecol*. 2012 Feb;119(2 Pt 1):263-9. Available from: PubMed; PMID 22270277
- Castelo-Branco C, Steinvarcel F, Osorio A, Ros C, Balasch J. Atherogenic metabolic profile in PCOS patients: role of obesity and hyperandrogenism. *Gynecol Endocrinol*. 2010 Oct;26(10):736-42. Available from: PubMed; PMID 20569105
- Cekmez F, Cekmez Y, Pirgon O, Canpolat FE, Aydinöz S, Metin Ipcioglu O, Karademir F. Evaluation of new adipocytokines and insulin resistance in adolescents with polycystic ovary syndrome. *Eur Cytokine Netw*. 2011 Mar;22(1):32-7. Available from: PubMed; PMID 21411410
- Celik C, Abali R, Guzel S, Bastu E, Kucukyalcin V, Yilmaz M. Elevated circulating levels of YKL-40 are a marker of abnormal glucose tolerance in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Dec;77(6):893-7. Available from: PubMed; PMID 22583189
- Cetinkalp S, Erdogan M, Karadeniz M, Berdeli A, Tamsel S, Ozgen AG, Saygili F, Yilmaz C. The relationship of the Fas 670 A/G gene polymorphism with cardiovascular risk factors in polycystic ovary syndrome (PCOS) patients. *Gynecol Endocrinol*. 2010 Mar;26(3):167-72. Available from: PubMed; PMID 19718569
- Chang AY, Ayers C, Minhajuddin A, Jain T, Nurenberg P, de Lemos JA, Wild RA, Auchus RJ. Polycystic ovarian syndrome and subclinical atherosclerosis among women of reproductive age in the Dallas heart study. *Clin Endocrinol (Oxf)*. 2011 Jan;74(1):89-96. Available from: PubMed; PMID 21044112
- Chen Y, Yang D, Li L, Chen X. The role of ovarian volume as a diagnostic criterion for Chinese adolescents with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2008 Dec;21(6):347-50. Available from: PubMed; PMID 19064229
- Cheung LP, Ma RC, Lam PM, Lok IH, Haines CJ, So WY, Tong PC, Cockram CS, Chow CC, Goggins WB. Cardiovascular risks and metabolic syndrome in Hong Kong Chinese women with polycystic ovary syndrome. *Hum Reprod*. 2008 Jun;23(6):1431-8. Available from: PubMed; PMID 18359783
- Ching HL, Burke V, Stuckey BG. Quality of life and psychological morbidity in women with polycystic ovary syndrome: body mass index, age and the provision of patient information are significant modifiers. *Clin Endocrinol (Oxf)*. 2007 Mar;66(3):373-9. Available from: PubMed; PMID 17302871
- Cho LW, Kilpatrick ES, Jayagopal V, Diver MJ, Atkin SL. Biological variation of total testosterone, free androgen index and bioavailable testosterone in polycystic ovarian syndrome: implications for identifying hyperandrogenaemia. *Clin Endocrinol (Oxf)*. 2008 Mar;68(3):390-4. Available from: PubMed; PMID 17888022
- Cicccone MM, Favale S, Bhuvu A, Scicchitano P, Caragnano V, Lavopa C, De Pergola G, Loverro G. Anteroposterior diameter of the infrarenal abdominal aorta is higher in women with polycystic ovary syndrome. *Vasc Health Risk Manag*. 2009;5(3):561-6. Available from: PubMed; PMID 19590590
- Cocksedge KA, Li TC, Saravelos SH, Metwally M. A reappraisal of the role of polycystic ovary syndrome in recurrent miscarriage. *Reprod Biomed Online*. 2008 Jul;17(1):151-60. Available from: PubMed; PMID 18616903
- Cocksedge KA, Saravelos SH, Metwally M, Li TC. How common is polycystic ovary syndrome in recurrent miscarriage? *Reprod Biomed Online*. 2009 Oct;19(4):572-6. Available from: PubMed; PMID 19909600
- Codner E, Escobar-Morreale HF. Clinical review: Hyperandrogenism and polycystic ovary syndrome in women with type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2007 Apr;92(4):1209-16. Available from: PubMed; PMID 17284617
- Cosar E, Koken G, Sahin FK, Arioz DT, Yilmazer M. Insulin sensitivity does not differentiate by hirsutism in non-obese women with polycystic ovary syndrome. *Endocr J*. 2008 Jul;55(3):465-8. Available from: PubMed; PMID 18520106
- Coskun A, Ercan O, Arikan DC, Ozer A, Kilinc M, Kiran G, Kostu B. Modified Ferriman-Gallwey hirsutism score and androgen levels in Turkish women. *Eur J Obstet Gynecol Reprod Biol*. 2011 Feb;154(2):167-71. Available from: PubMed; PMID 21041013
- Costa EC, Soares EM, Lemos TM, Maranhao TM, Azevedo GD. [Central obesity index and cardiovascular risk factors in polycystic ovary syndrome]. *Arq Bras Cardiol*. 2010 May;94(5):633-8. Available from: PubMed; PMID 20428724
- Cupisti S, Kajaia N, Dittrich R, Duezenli H, M WB, Mueller A. Body mass index and ovarian function are associated with endocrine and metabolic abnormalities in women with hyperandrogenic syndrome. *Eur J Endocrinol*.



2008 May;158(5):711-9. Available from: PubMed; PMID 18426831

Cupisti S, Haberle L, Dittrich R, Oppelt PG, Reissmann C, Kronawitter D, Beckmann MW, Mueller A. Smoking is associated with increased free testosterone and fasting insulin levels in women with polycystic ovary syndrome, resulting in aggravated insulin resistance. *Fertil Steril*. 2010 Jul;94(2):673-7. Available from: PubMed; PMID 19394003

Cupisti S, Haeberle L, Schell C, Richter H, Schulze C, Hildebrandt T, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The different phenotypes of polycystic ovary syndrome: no advantages for identifying women with aggravated insulin resistance or impaired lipids. *Exp Clin Endocrinol Diabetes*. 2011 Sep;119(8):502-8. Available from: PubMed; PMID 21553368

Dasgupta S, Pisapati S, Kudugunti N, Kathragadda A, Godi S, Reddy MB. Does follistatin gene have any direct role in the manifestation of polycystic ovary syndrome in Indian women? *J Postgrad Med*. 2012 Jul;58(3):190-3. Available from: PubMed; PMID 23023351

Daskalopoulos GN, Karkanaki A, Karagiannis A, Mikhailidis DP, Athyros VG. Is the risk for cardiovascular disease increased in all phenotypes of the polycystic ovary syndrome? *Angiology*. 2011 May;62(4):285-90. Available from: PubMed; PMID 21474465

de Groot PC, Dekkers OM, Romijn JA, Dieben SW, Helmerhorst FM. PCOS, coronary heart disease, stroke and the influence of obesity: a systematic review and meta-analysis. *Hum Reprod Update*. 2011 Jul-Aug;17(4):495-500. Available from: PubMed; PMID 21335359

De Leo V, Musacchio MC, Morgante G, Piomboni P, Petraglia F. Metformin treatment is effective in obese teenage girls with PCOS. *Hum Reprod*. 2006 Sep;21(9):2252-6. Available from: PubMed; PMID 16785260

de Paula Guedes Neto E, Savaris RF, von Eye Corleta H, de Moraes GS, do Amaral Cristovam R, Lessey BA. Prospective, randomized comparison between raloxifene and clomiphene citrate for ovulation induction in polycystic ovary syndrome. *Fertil Steril*. 2011 Sep;96(3):769-73. Available from: PubMed; PMID 21782166

De Sutter P, Dutre T, Vanden Meerschaut F, Stuyver I, Van Maele G, Dhont M. PCOS in lesbian and heterosexual women treated with artificial donor insemination. *Reprod Biomed Online*. 2008 Sep;17(3):398-402. Available from: PubMed; PMID 18765011

Demirel F, Bideci A, Cinaz P, Camurdan MO, Biberoglu G, Yesilkaya E, Hasanoglu A. Serum leptin, oxidized low density lipoprotein and plasma asymmetric dimethylarginine levels and their relationship with dyslipidaemia in adolescent girls with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Jul;67(1):129-34. Available from: PubMed; PMID 17465999

Dewailly D, Catteau-Jonard S, Reyss AC, Leroy M, Pigny P. Oligoanovulation with polycystic ovaries but not overt hyperandrogenism. *J Clin Endocrinol Metab*. 2006 Oct;91(10):3922-7. Available from: PubMed; PMID 16849400

Dewailly D, Catteau-Jonard S, Poncelet E. Which morphological investigations and how to interpret them to make the diagnosis of PCOS? *Ann Endocrinol (Paris)*. 2010 May;71(3):183-8. Available from: PubMed; PMID 20381789

Dewailly D, Contestin M, Gallo C, Catteau-Jonard S. Metabolic syndrome in young women with the polycystic ovary syndrome: revisiting the threshold for an abnormally decreased high-density lipoprotein cholesterol serum level. *BJOG*. 2010 Jan;117(2):175-80. Available from: PubMed; PMID 19832825

Dewailly D, Hieronimus S, Mirakian P, Hugues JN. Polycystic ovary syndrome (PCOS). *Ann Endocrinol (Paris)*. 2010 Feb;71(1):8-13. Available from: PubMed; PMID 20096827

Dewailly D, Pigny P, Soudan B, Catteau-Jonard S, Decanter C, Poncelet E, Duhamel A. Reconciling the definitions of polycystic ovary syndrome: the ovarian follicle number and serum anti-Mullerian hormone concentrations aggregate with the markers of hyperandrogenism. *J Clin Endocrinol Metab*. 2010 Sep;95(9):4399-405. Available from: PubMed; PMID 20610596

Diamanti-Kandaraki E, Katsikis I, Piperi C, Kandaraki E, Piouka A, Papavassiliou AG, Panidis D. Increased serum advanced glycation end-products is a distinct finding in lean women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2008 Oct;69(4):634-41. Available from: PubMed; PMID 18363886

Dokras A, Clifton S, Futterweit W, Wild R. Increased risk for abnormal depression scores in women with polycystic ovary syndrome: a systematic review and meta-analysis. *Obstet Gynecol*. 2011 Jan;117(1):145-52. Available from: PubMed; PMID 21173657

Doll I, Doll R, Buhling KJ. Diagnosis and therapy of polycystic ovarian syndrome: results of a survey among German gynecologists with a review on literature. *Arch Gynecol Obstet*. 2012 Mar;285(3):689-97. Available from: PubMed; PMID 21830009

Duijkers IJ, Klipping C. Polycystic ovaries, as defined by the 2003 Rotterdam consensus criteria, are found to be very common in young healthy women. *Gynecol Endocrinol*. 2010 Mar;26(3):152-60. Available from: PubMed; PMID 19757237

Eilertsen TB, Vanky E, Carlsen SM. Anti-Mullerian hormone in the diagnosis of polycystic ovary syndrome: can morphologic description be replaced? *Hum Reprod*.

2012 Aug;27(8):2494-502. Available from: PubMed; PMID 22693172

Eilertsen TB, Vanky E, Carlsen SM. Increased prevalence of diabetes and polycystic ovary syndrome in women with a history of preterm birth: a case-control study. *BJOG*. 2012 Feb;119(3):266-75. Available from: PubMed; PMID 22168920

Elghblawi E. Polycystic ovary syndrome and female reproduction. *Br J Nurs*. 2007 Oct 11-24;16(18):1118-21. Available from: PubMed; PMID 18073681

Erdogan M, Karadeniz M, Berdeli A, Alper G, Caglayan O, Yilmaz C. The relationship of the interleukin-6 -174 G>C gene polymorphism with oxidative stress markers in Turkish polycystic ovary syndrome patients. *J Endocrinol Invest*. 2008 Jul;31(7):624-9. Available from: PubMed; PMID 18787381

Erdogan M, Karadeniz M, Berdeli A, Tamsel S, Yilmaz C. The relationship of the interleukin-6 -174 G>C gene polymorphism with cardiovascular risk factors in Turkish polycystic ovary syndrome patients. *Int J Immunogenet*. 2009 Oct;36(5):283-8. Available from: PubMed; PMID 19744034

Ertorer ME, Anafiroglu I, Bozkirli E, Bakiner O, Tutuncu NB, Demirag NG. A new perspective in diagnosing polycystic ovary syndrome. *J Natl Med Assoc*. 2007 Feb;99(2):149-52. Available from: PubMed; PMID 17366951

Fan P, Liu H, Wang Y, Zhang F, Bai H. Apolipoprotein E-containing HDL-associated platelet-activating factor acetylhydrolase activities and malondialdehyde concentrations in patients with PCOS. *Reprod Biomed Online*. 2012 Feb;24(2):197-205. Available from: PubMed; PMID 22197603

Flannery CA, Rackow B, Cong X, Duran E, Selen DJ, Burgert TS. Polycystic ovary syndrome in adolescence: impaired glucose tolerance occurs across the spectrum of BMI. *Pediatr Diabetes*. 2012 Aug 28. Available from: PubMed; PMID 22925367

Forrester-Dumont K, Galescu O, Kolesnikov A, Raissouni N, Bhangoo A, Ten S, Suss A. Hyperandrogenism Does Not Influence Metabolic Parameters in Adolescent Girls with PCOS. *Int J Endocrinol*. 2012;2012:434830. Available from: PubMed; PMID 22536232

Franceschi R, Gaudino R, Marcolongo A, Gallo MC, Rossi L, Antoniazzi F, Tato L. Prevalence of polycystic ovary syndrome in young women who had idiopathic central precocious puberty. *Fertil Steril*. 2010 Mar 1;93(4):1185-91. Available from: PubMed; PMID 19135667

Franks S. Controversy in clinical endocrinology: diagnosis of polycystic ovarian syndrome: in defense of the Rotterdam criteria. *J Clin Endocrinol Metab*. 2006

Mar;91(3):786-9. Available from: PubMed; PMID 16418209

Ganie MA, Marwaha RK, Aggarwal R, Singh S. High prevalence of polycystic ovary syndrome characteristics in girls with euthyroid chronic lymphocytic thyroiditis: a case-control study. *Eur J Endocrinol*. 2010 Jun;162(6):1117-22. Available from: PubMed; PMID 20332127

Ganie MA, Farooqui KJ, Bhat MA, Mir MM, Shah ZA, Douhath S, Mir SH, Rashid F, Naqshi S, Masoodi MI, Zargar SA, Zargar AH. Pattern of urinary albumin excretion in normotensive young and adolescent Indian women with polycystic ovary syndrome. *Indian J Endocrinol Metab*. 2012 Mar;16(2):277-82. Available from: PubMed; PMID 22470868

Geier LM, Bekx MT, Connor EL. Factors Contributing to Initial Weight Loss Among Adolescents with Polycystic Ovary Syndrome. *J Pediatr Adolesc Gynecol*. 2012 Oct 19. Available from: PubMed; PMID 23089571

Geisthovel F. A comment on the European Society of Human Reproduction and Embryology/American Society for Reproductive Medicine consensus of the polycystic ovarian syndrome. *Reprod Biomed Online*. 2003 Dec;7(6):602-5. Available from: PubMed; PMID 14748954

Geisthovel F, Rabe T. The ESHRE/ASRM consensus on polycystic ovary syndrome (PCOS)--an extended critical analysis. *Reprod Biomed Online*. 2007 Apr;14(4):522-35. Available from: PubMed; PMID 17425838

Gen R, Akbay E, Muslu N, Sezer K, Cayan F. Plasma visfatin level in lean women with PCOS: relation to proinflammatory markers and insulin resistance. *Gynecol Endocrinol*. 2009 Apr;25(4):241-5. Available from: PubMed; PMID 19408173

Glintborg D, Mumm H, Hougaard D, Ravn P, Andersen M. Ethnic differences in Rotterdam criteria and metabolic risk factors in a multiethnic group of women with PCOS studied in Denmark. *Clin Endocrinol (Oxf)*. 2010 Dec;73(6):732-8. Available from: PubMed; PMID 20846294

Glintborg D, Mumm H, Hougaard DM, Ravn P, Andersen M. Smoking is associated with increased adrenal responsiveness, decreased prolactin levels and a more adverse lipid profile in 650 white patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Mar;28(3):170-4. Available from: PubMed; PMID 21770838

Glintborg D, Mumm H, Ravn P, Andersen M. Age associated differences in prevalence of individual rotterdam criteria and metabolic risk factors during reproductive age in 446 caucasian women with polycystic ovary syndrome. *Horm Metab Res*. 2012 Sep;44(9):694-8. Available from: PubMed; PMID 22382934

- Gluszak O, Stopinska-Gluszak U, Glinicki P, Kapuscinska R, Snochowska H, Zgliczynski W, Debski R. Phenotype and metabolic disorders in polycystic ovary syndrome. *ISRN Endocrinol.* 2012;2012:569862. Available from: PubMed; PMID 22462015
- Goodarzi MO, Louwers YV, Taylor KD, Jones MR, Cui J, Kwon S, Chen YD, Guo X, Stolk L, Uitterlinden AG, Laven JS, Azziz R. Replication of association of a novel insulin receptor gene polymorphism with polycystic ovary syndrome. *Fertil Steril.* 2011 Apr;95(5):1736-41 e1-11. Available from: PubMed; PMID 21300347
- Goverde AJ, van Koert AJ, Eijkemans MJ, Knauff EA, Westerveld HE, Fauser BC, Broekmans FJ. Indicators for metabolic disturbances in anovulatory women with polycystic ovary syndrome diagnosed according to the Rotterdam consensus criteria. *Hum Reprod.* 2009 Mar;24(3):710-7. Available from: PubMed; PMID 19095675
- Guastella E, Longo RA, Carmina E. Clinical and endocrine characteristics of the main polycystic ovary syndrome phenotypes. *Fertil Steril.* 2010 Nov;94(6):2197-201. Available from: PubMed; PMID 20303485
- Gul OB, Somunkiran A, Yucel O, Demirci F, Ozdemir I. The effect of ethinyl estradiol-cyproterone acetate treatment on homocysteine levels in women with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2008 Jan;277(1):25-30. Available from: PubMed; PMID 17618446
- Guo M, Chen ZJ, Macklon NS, Shi YH, Westerveld HE, Eijkemans MJ, Fauser BC, Goverde AJ. Cardiovascular and metabolic characteristics of infertile Chinese women with PCOS diagnosed according to the Rotterdam consensus criteria. *Reprod Biomed Online.* 2010 Oct;21(4):572-80. Available from: PubMed; PMID 20800551
- Hahn S, Fingerhut A, Khomtsiv U, Khomtsiv L, Tan S, Quadbeck B, Herrmann BL, Knebel B, Muller-Wieland D, Mann K, Janssen OE. The peroxisome proliferator activated receptor gamma Pro12Ala polymorphism is associated with a lower hirsutism score and increased insulin sensitivity in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2005 May;62(5):573-9. Available from: PubMed; PMID 15853827
- Hahn S, Bering van Halteren W, Roesler S, Schmidt M, Kimmig R, Tan S, Mann K, Janssen OE. The combination of increased ovarian volume and follicle number is associated with more severe hyperandrogenism in German women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2006 Apr;114(4):175-81. Available from: PubMed; PMID 16705549
- Hao CF, Bao HC, Zhang N, Gu HF, Chen ZJ. Evaluation of association between the CYP11alpha promoter pentanucleotide (TTTTA)<sub>n</sub> polymorphism and polycystic ovarian syndrome among Han Chinese women. *Neuro Endocrinol Lett.* 2009 Mar;30(1):56-60. Available from: PubMed; PMID 19300392
- Haouzi D, Assou S, Monzo C, Vincens C, Dechaud H, Hamamah S. Altered gene expression profile in cumulus cells of mature MII oocytes from patients with polycystic ovary syndrome. *Hum Reprod.* 2012 Sep 4. Available from: PubMed; PMID 22951915
- Hart R, Doherty DA, Mori T, Huang RC, Norman RJ, Franks S, Sloboda D, Beilin L, Hickey M. Extent of metabolic risk in adolescent girls with features of polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):2347-53, 53 e1. Available from: PubMed; PMID 21450287
- Hassa H, Tanir HM, Yildiz Z. Comparison of clinical and laboratory characteristics of cases with polycystic ovarian syndrome based on Rotterdam's criteria and women whose only clinical signs are oligo/anovulation or hirsutism. *Arch Gynecol Obstet.* 2006 Jul;274(4):227-32. Available from: PubMed; PMID 16691383
- Hatziagelaki E, Wagner R, Kantartzis K, Heni M, Linder K, Ketterer C, Machicao F, Stefan N, Staiger H, Haring HU, Fritsche A. Insulin Resistant Phenotype of Polycystic Ovary Syndrome does not Seem to be Caused by Variation in FTO. *Horm Metab Res.* 2012 Oct;44(11):810-3. Available from: PubMed; PMID 22847851
- Heijnen EM, Eijkemans MJ, Hughes EG, Laven JS, Macklon NS, Fauser BC. A meta-analysis of outcomes of conventional IVF in women with polycystic ovary syndrome. *Hum Reprod Update.* 2006 Jan-Feb;12(1):13-21. Available from: PubMed; PMID 16123051
- Hernandez-Valencia M, Hernandez-Rosas M, Zarate A. [Care of insulin resistance in polycystic ovary syndrome]. *Ginecol Obstet Mex.* 2010 Nov;78(11):612-6. Available from: PubMed; PMID 21298999
- Hickey M, Doherty DA, Atkinson H, Sloboda DM, Franks S, Norman RJ, Hart R. Clinical, ultrasound and biochemical features of polycystic ovary syndrome in adolescents: implications for diagnosis. *Hum Reprod.* 2011 Jun;26(6):1469-77. Available from: PubMed; PMID 21478180
- Hollinrake E, Abreu A, Maifeld M, Van Voorhis BJ, Dokras A. Increased risk of depressive disorders in women with polycystic ovary syndrome. *Fertil Steril.* 2007 Jun;87(6):1369-76. Available from: PubMed; PMID 17397839
- Holm NS, Glinborg D, Andersen MS, Schledermand D, Ravn P. The prevalence of endometrial hyperplasia and endometrial cancer in women with polycystic ovary syndrome or hyperandrogenism. *Acta Obstet Gynecol Scand.* 2012 Oct;91(10):1173-6. Available from: PubMed; PMID 22583042

- Hosseinpanah F, Barzin M, Tehrani FR, Azizi F. The lack of association between polycystic ovary syndrome and metabolic syndrome: Iranian PCOS prevalence study. *Clin Endocrinol (Oxf)*. 2011 Nov;75(5):692-7. Available from: PubMed; PMID 21592169
- Hsu MI, Liou TH, Chou SY, Chang CY, Hsu CS. Diagnostic criteria for polycystic ovary syndrome in Taiwanese Chinese women: comparison between Rotterdam 2003 and NIH 1990. *Fertil Steril*. 2007 Sep;88(3):727-9. Available from: PubMed; PMID 17706215
- Huang M, Xiao J, Zhao X, Liu C, Chen Q. Four polymorphisms of the CAPN 10 gene and their relationship to polycystic ovary syndrome susceptibility: a meta-analysis. *Clin Endocrinol (Oxf)*. 2012 Mar;76(3):431-8. Available from: PubMed; PMID 21906115
- Hwang JY, Lee EJ, Jin Go M, Sung YA, Lee HJ, Heon Kwak S, Jang HC, Soo Park K, Lee HJ, Byul Jang H, Song J, Park KH, Kim HL, Cho MC, Lee JY. Genome-wide association study identifies GYS2 as a novel genetic factor for polycystic ovary syndrome through obesity-related condition. *J Hum Genet*. 2012 Oct;57(10):660-4. Available from: PubMed; PMID 22951595
- Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab*. 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811
- Indhavivadhana S, Wongwananuruk T, Rattanachaiyanont M, Techatraisak K, Leerasing P, Tanmahasamut P, Popijjan M. Prevalence of metabolic syndrome in reproductive-aged polycystic ovary syndrome Thai women. *J Med Assoc Thai*. 2010 Jun;93(6):653-60. Available from: PubMed; PMID 20572369
- Jain M, Pandey P, Tiwary NK, Jain S. MTHFR C677T polymorphism is associated with hyperlipidemia in women with polycystic ovary syndrome. *J Hum Reprod Sci*. 2012 Jan;5(1):52-6. Available from: PubMed; PMID 22870016
- Jonard S, Robert Y, Dewailly D. Revisiting the ovarian volume as a diagnostic criterion for polycystic ovaries. *Hum Reprod*. 2005 Oct;20(10):2893-8. Available from: PubMed; PMID 16006474
- Jones H, Sprung VS, Pugh CJ, Daousi C, Irwin A, Aziz N, Adams VL, Thomas EL, Bell JD, Kemp GJ, Cuthbertson DJ. Polycystic Ovary Syndrome with Hyperandrogenism Is Characterized by an Increased Risk of Hepatic Steatosis Compared to Nonhyperandrogenic PCOS Phenotypes and Healthy Controls, Independent of Obesity and Insulin Resistance. *J Clin Endocrinol Metab*. 2012 Oct;97(10):3709-16. Available from: PubMed; PMID 22837189
- Kachuei M, Jafari F, Kachuei A, Keshteli AH. Prevalence of autoimmune thyroiditis in patients with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2012 Mar;285(3):853-6. Available from: PubMed; PMID 21866332
- Kajaia N, Binder H, Dittrich R, Oppelt PG, Flor B, Cupisti S, Beckmann MW, Mueller A. Low sex hormone-binding globulin as a predictive marker for insulin resistance in women with hyperandrogenic syndrome. *Eur J Endocrinol*. 2007 Oct;157(4):499-507. Available from: PubMed; PMID 17893265
- Karabulut A, Turgut S, Turgut G. Angiotensin converting enzyme gene insertion/deletion polymorphism in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 Jun;26(6):393-8. Available from: PubMed; PMID 20170341
- Katulski K, Meczekalski B. [Natural history of polycyclic ovary syndrome]. *Pol Merkuri Lekarski*. 2010 Jul;29(169):58-60. Available from: PubMed; PMID 20712252
- Katulski K, Czyzyk A, Meczekalski B. [The controversies in the diagnosis of polycystic ovary syndrome]. *Pol Merkuri Lekarski*. 2012 Jul;33(193):32-7. Available from: PubMed; PMID 22993908
- Kauffman RP, Baker VM, DiMarino P, Castracane VD. Hyperinsulinemia and circulating dehydroepiandrosterone sulfate in white and Mexican American women with polycystic ovary syndrome. *Fertil Steril*. 2006 Apr;85(4):1010-6. Available from: PubMed; PMID 16580388
- Kauffman RP, Baker TE, Baker VM, DiMarino P, Castracane VD. Endocrine and metabolic differences among phenotypic expressions of polycystic ovary syndrome according to the 2003 Rotterdam consensus criteria. *Am J Obstet Gynecol*. 2008 Jun;198(6):670 e1-7; discussion e7-10. Available from: PubMed; PMID 18355776
- Kauffman RP, Tullar PE, Nipp RD, Castracane VD. Serum magnesium concentrations and metabolic variables in polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2011 May;90(5):452-8. Available from: PubMed; PMID 21306320
- Khademi A, Alleyassin A, Aghahosseini M, Tabatabaeefar L, Amini M. The Effect of Exercise in PCOS Women Who Exercise Regularly. *Asian J Sports Med*. 2010 Mar;1(1):35-40. Available from: PubMed; PMID 22375190
- Kosus N, Kosus A, Turhan NO, Kamalak Z. Do threshold values of ovarian volume and follicle number for diagnosing polycystic ovarian syndrome in Turkish women differ from western countries? *Eur J Obstet Gynecol Reprod Biol*. 2011 Feb;154(2):177-81. Available from: PubMed; PMID 21051133

- Kristensen SL, Ramlau-Hansen CH, Ernst E, Olsen SF, Bonde JP, Vested A, Toft G. A very large proportion of young Danish women have polycystic ovaries: is a revision of the Rotterdam criteria needed? *Hum Reprod.* 2010 Dec;25(12):3117-22. Available from: PubMed; PMID 20940139
- Kuivasaari-Pirinen P, Hippelainen M, Hakkarainen H, Randell K, Heinonen S. Cumulative baby take-home rate among women with PCOS treated by IVF. *Gynecol Endocrinol.* 2010 Aug;26(8):582-9. Available from: PubMed; PMID 20175706
- Kumarapeli V, Seneviratne Rde A, Wijeyaratne CN, Yapa RM, Dodampahala SH. A simple screening approach for assessing community prevalence and phenotype of polycystic ovary syndrome in a semi-urban population in Sri Lanka. *Am J Epidemiol.* 2008 Aug 1;168(3):321-8. Available from: PubMed; PMID 18550559
- Kumarapeli V, Seneviratne Rde A, Wijeyaratne C. Health-related quality of life and psychological distress in polycystic ovary syndrome: a hidden facet in South Asian women. *BJOG.* 2011 Feb;118(3):319-28. Available from: PubMed; PMID 21134104
- Lam PM, Ma RC, Cheung LP, Chow CC, Chan JC, Haines CJ. Polycystic ovarian syndrome in Hong Kong Chinese women: patient characteristics and diagnostic criteria. *Hong Kong Med J.* 2005 Oct;11(5):336-41. Available from: PubMed; PMID 16219952
- Lam PM, Raine-Fenning N. The role of three-dimensional ultrasonography in polycystic ovary syndrome. *Hum Reprod.* 2006 Sep;21(9):2209-15. Available from: PubMed; PMID 16709603
- Lam PM, Tam WH, Cheung LP. Higher metabolic risk in Chinese women fulfilling the NIH diagnostic criteria for polycystic ovarian syndrome. *Fertil Steril.* 2009 Apr;91(4 Suppl):1493-5. Available from: PubMed; PMID 18851848
- Lam PM, Tam WH, Ma RC, Cheung LP, Tsui MH, Tong PC, Chow FC, Lam CW, Chan MH, Chan JC, Haines CJ. The reproductive and metabolic effect of rosiglitazone on Chinese women with polycystic ovarian syndrome--a double-blind randomized placebo-controlled study. *Fertil Steril.* 2011 Aug;96(2):445-51 e1. Available from: PubMed; PMID 21722894
- Lambrinoudaki I. Cardiovascular risk in postmenopausal women with the polycystic ovary syndrome. *Maturitas.* 2011 Jan;68(1):13-6. Available from: PubMed; PMID 20943333
- Lane DE. Polycystic ovary syndrome and its differential diagnosis. *Obstet Gynecol Surv.* 2006 Feb;61(2):125-35. Available from: PubMed; PMID 16433936
- Lewandowski KC, Cajdler-Luba A, Bienkiewicz M, Lewinski A. Women with oligo-/amenorrhoea and polycystic ovaries have identical responses to GnRH stimulation regardless of their androgen status: comparison of the Rotterdam and Androgen Excess Society diagnostic criteria. *Neuro Endocrinol Lett.* 2011;32(6):847-56. Available from: PubMed; PMID 22286802
- Li M, Song J, Chen SL, Luo C, Ni YP, Wang QL, Zheng HY, Wu FR. [Association of the clinical characteristics and the IVF-ET outcome in infertile women with polycystic ovarian syndrome of different subtypes]. *Nan Fang Yi Ke Da Xue Xue Bao.* 2009 Feb;29(2):224-7. Available from: PubMed; PMID 19246284
- Lujan ME, Podolski AJ, Chizen DR, Lehotay DC, Pierson RA. Digit ratios by computer-assisted analysis confirm lack of anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Reprod Biol Endocrinol.* 2010;8:156. Available from: PubMed; PMID 21189149
- Ma YM, Li R, Qiao J, Zhang XW, Wang SY, Zhang QF, Li L, Tu BB, Zhang X. Characteristics of abnormal menstrual cycle and polycystic ovary syndrome in community and hospital populations. *Chin Med J (Engl).* 2010 Aug;123(16):2185-9. Available from: PubMed; PMID 20819662
- Ma CS, Lin Y, Zhang CH, Xu H, Li YF, Zhang SC, Tan Y, Quan S, Xing FQ. [Preliminary study on the value of ratio of serum luteinizing hormone/follicle-stimulating hormone in diagnosis of polycystic ovarian syndrome among women with polycystic ovary]. *Zhonghua Fu Chan Ke Za Zhi.* 2011 Mar;46(3):177-80. Available from: PubMed; PMID 21575449
- Mandrelle K, Kamath MS, Bondu DJ, Chandy A, Aleyamma T, George K. Prevalence of metabolic syndrome in women with polycystic ovary syndrome attending an infertility clinic in a tertiary care hospital in south India. *J Hum Reprod Sci.* 2012 Jan;5(1):26-31. Available from: PubMed; PMID 22870011
- Mansson M, Holte J, Landin-Wilhelmsen K, Dahlgren E, Johansson A, Landen M. Women with polycystic ovary syndrome are often depressed or anxious--a case control study. *Psychoneuroendocrinology.* 2008 Sep;33(8):1132-8. Available from: PubMed; PMID 18672334
- Mansson M, Norstrom K, Holte J, Landin-Wilhelmsen K, Dahlgren E, Landen M. Sexuality and psychological wellbeing in women with polycystic ovary syndrome compared with healthy controls. *Eur J Obstet Gynecol Reprod Biol.* 2011 Apr;155(2):161-5. Available from: PubMed; PMID 21232840
- March WA, Moore VM, Willson KJ, Phillips DI, Norman RJ, Davies MJ. The prevalence of polycystic ovary syndrome in a community sample assessed under contrasting diagnostic criteria. *Hum Reprod.* 2010 Feb;25(2):544-51. Available from: PubMed; PMID 19910321

- Marciniak A, Starczewski A. [The role of leptin in polycystic ovary syndrome]. *Pol Merkur Lekarski*. 2008 Oct;25(148):390-3. Available from: PubMed; PMID 19145943
- Marcondes JA. [Hirsutism: differential diagnosis]. *Arq Bras Endocrinol Metabol*. 2006 Dec;50(6):1108-16. Available from: PubMed; PMID 17221119
- Mehrabian F, Khani B, Kelishadi R, Ghanbari E. The prevalence of polycystic ovary syndrome in Iranian women based on different diagnostic criteria. *Endokrynol Pol*. 2011;62(3):238-42. Available from: PubMed; PMID 21717406
- Mehrabian F, Khani B, Kelishadi R, Kermani N. The prevalence of metabolic syndrome and insulin resistance according to the phenotypic subgroups of polycystic ovary syndrome in a representative sample of Iranian females. *J Res Med Sci*. 2011 Jun;16(6):763-9. Available from: PubMed; PMID 22091305
- Melo AS, Macedo CS, Romano LG, Ferriani RA, Navarro PA. [Women with polycystic ovary syndrome have a higher frequency of metabolic syndrome regardless of body mass index]. *Rev Bras Ginecol Obstet*. 2012 Jan;34(1):4-10. Available from: PubMed; PMID 22358341
- Merino P, Schulin-Zeuthen C, Codner E. [Current diagnosis of polycystic ovary syndrome: expanding the phenotype but generating new questions]. *Rev Med Chil*. 2009 Aug;137(8):1071-80. Available from: PubMed; PMID 19915773
- Merkin SS, Azziz R, Seeman T, Calderon-Margalit R, Daviglus M, Kiefe C, Matthews K, Sternfeld B, Siscovick D. Socioeconomic status and polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2011 Mar;20(3):413-9. Available from: PubMed; PMID 21323584
- Mohamadin AM, Habib FA, Al-Saggaf AA. Cardiovascular disease markers in women with polycystic ovary syndrome with emphasis on asymmetric dimethylarginine and homocysteine. *Ann Saudi Med*. 2010 Jul-Aug;30(4):278-83. Available from: PubMed; PMID 20622344
- Moll E, van der Veen F, van Wely M. The role of metformin in polycystic ovary syndrome: a systematic review. *Hum Reprod Update*. 2007 Nov-Dec;13(6):527-37. Available from: PubMed; PMID 17767003
- Moll E, van Wely M, Lambalk CB, Bossuyt PM, van der Veen F. Health-related quality of life in women with newly diagnosed polycystic ovary syndrome randomized between clomifene citrate plus metformin or clomifene citrate plus placebo. *Hum Reprod*. 2012 Nov;27(11):3273-8. Available from: PubMed; PMID 22926838
- Moran C, Tena G, Moran S, Ruiz P, Reyna R, Duque X. Prevalence of polycystic ovary syndrome and related disorders in Mexican women. *Gynecol Obstet Invest*. 2010;69(4):274-80. Available from: PubMed; PMID 20110726
- Mortensen M, Ehrmann DA, Littlejohn E, Rosenfield RL. Asymptomatic volunteers with a polycystic ovary are a functionally distinct but heterogeneous population. *J Clin Endocrinol Metab*. 2009 May;94(5):1579-86. Available from: PubMed; PMID 19240158
- Mourali M, Fkih C, Essoussi-Chikhaoui J, Ben Hadj HA, Binous N, Ben Zineb N. [Polycystic ovary syndrome with infertility]. *Tunis Med*. 2008 Nov;86(11):963-72. Available from: PubMed; PMID 19213486
- Mueller A, Gooren LJ, Naton-Schotz S, Cupisti S, Beckmann MW, Dittich R. Prevalence of polycystic ovary syndrome and hyperandrogenemia in female-to-male transsexuals. *J Clin Endocrinol Metab*. 2008 Apr;93(4):1408-11. Available from: PubMed; PMID 18211977
- Najem F, Elmehdawi R, Swalem A. Clinical and Biochemical Characteristics of Polycystic Ovary Syndrome in Benghazi- Libya; A Retrospective study. *Libyan J Med*. 2008;3(2):71-4. Available from: PubMed; PMID 21499461
- Nardo LG, Buckett WM, Orio F, Jr. Ultrasonography in polycystic ovary syndrome: an update. *J Reprod Med*. 2007 May;52(5):390-6. Available from: PubMed; PMID 17583237
- Nardo LG, Gelbaya TA. Evidence-based approach for the use of ultrasound in the management of polycystic ovary syndrome. *Minerva Ginecol*. 2008 Feb;60(1):83-9. Available from: PubMed; PMID 18277355
- Nardo LG, Yates AP, Roberts SA, Pemberton P, Laing I. The relationships between AMH, androgens, insulin resistance and basal ovarian follicular status in non-obese subfertile women with and without polycystic ovary syndrome. *Hum Reprod*. 2009 Nov;24(11):2917-23. Available from: PubMed; PMID 19617605
- Nawaz FH, Khalid R, Naru T, Rizvi J. Does continuous use of metformin throughout pregnancy improve pregnancy outcomes in women with polycystic ovarian syndrome? *J Obstet Gynaecol Res*. 2008 Oct;34(5):832-7. Available from: PubMed; PMID 18834342
- Nawaz FH, Rizvi J. Continuation of metformin reduces early pregnancy loss in obese Pakistani women with polycystic ovarian syndrome. *Gynecol Obstet Invest*. 2010;69(3):184-9. Available from: PubMed; PMID 20029224
- Nestler JE. The Androgen Excess Society guidelines on glucose intolerance in the polycystic ovary syndrome: what do they mean and what should we do? *Pol Arch Med Wewn*. 2008 May;118(5):264-6. Available from: PubMed; PMID 18619175

- Ni RM, Mo Y, Chen X, Zhong J, Liu W, Yang D. Low prevalence of the metabolic syndrome but high occurrence of various metabolic disorders in Chinese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Sep;161(3):411-8. Available from: PubMed; PMID 19542239
- Nidhi R, Padmalatha V, Nagarathna R, Amritanshu R. Prevalence of polycystic ovarian syndrome in Indian adolescents. *J Pediatr Adolesc Gynecol*. 2011 Aug;24(4):223-7. Available from: PubMed; PMID 21600812
- Nidhi R, Padmalatha V, Nagarathna R, Ram A. Effect of a yoga program on glucose metabolism and blood lipid levels in adolescent girls with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2012 Jul;118(1):37-41. Available from: PubMed; PMID 22507264
- Oh JY, Sung YA, Lee HJ, Oh JY, Chung HW, Park H. Optimal waist circumference for prediction of metabolic syndrome in young Korean women with polycystic ovary syndrome. *Obesity (Silver Spring)*. 2010 Mar;18(3):593-7. Available from: PubMed; PMID 19763092
- Okoroh EM, Hooper WC, Atrash HK, Yusuf HR, Boulet SL. Prevalence of polycystic ovary syndrome among the privately insured, United States, 2003-2008. *Am J Obstet Gynecol*. 2012 Oct;207(4):299 e1-7. Available from: PubMed; PMID 22921097
- Orio F, Azziz R. Report on the Third Annual Meeting of the Androgen Excess Society, San Diego, California, June 3, 2005. *Fertil Steril*. 2006 Nov;86(5):1318-20. Available from: PubMed; PMID 17070190
- Overbeek A, Kuijper EA, Hendriks ML, Blankenstein MA, Ketel IJ, Twisk JW, Hompes PG, Homburg R, Lambalk CB. Clomiphene citrate resistance in relation to follicle-stimulating hormone receptor Ser680Ser-polymorphism in polycystic ovary syndrome. *Hum Reprod*. 2009 Aug;24(8):2007-13. Available from: PubMed; PMID 19401323
- Panidis D, Asteriadis C, Georgopoulos NA, Katsikis I, Zournatzi V, Karkanaki A, Saltamavros AD, Decavalas G, Diamanti-Kandaraki E. Decreased active, total and altered active to total ghrelin ratio in normal weight women with the more severe form of polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2010 Apr;149(2):170-4. Available from: PubMed; PMID 20096985
- Panidis D, Macut D, Tziomalos K, Papadakis E, Mikhailidis K, Kandaraki EA, Tsourdi EA, Tantanasis T, Mavromatidis G, Katsikis I. Prevalence of metabolic syndrome in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Aug 13. Available from: PubMed; PMID 22888988
- Pascual MA, Graupera B, Hereter L, Tresserra F, Rodriguez I, Alcazar JL. Assessment of ovarian vascularization in the polycystic ovary by three-dimensional power Doppler ultrasonography. *Gynecol Endocrinol*. 2008 Nov;24(11):631-6. Available from: PubMed; PMID 19031220
- Pekhlivanov B, Kaleva-Khodzheva N, Orbetsova M, Mitkov M. [Metabolic syndrome in women with polycystic ovary syndrome]. *Akush Ginekol (Sofia)*. 2007;46(9):37-40. Available from: PubMed; PMID 18646307
- Pembe AB, Abeid MS. Polycystic ovaries and associated clinical and biochemical features among women with infertility in a tertiary hospital in Tanzania. *Tanzan J Health Res*. 2009 Oct;11(4):175-80. Available from: PubMed; PMID 20734696
- Petranyi G, Zaoura-Petranyi M. [Metformin treatment with or without life style changes in patients with polycystic ovary syndrome]. *Orv Hetil*. 2011 Apr 17;152(16):628-32. Available from: PubMed; PMID 21454179
- Pigny P, Jonard S, Robert Y, Dewailly D. Serum anti-Mullerian hormone as a surrogate for antral follicle count for definition of the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Mar;91(3):941-5. Available from: PubMed; PMID 16368745
- Popovska-Dimova Z, Krstevska B. The frequency of insulin resistance calculated upon the basis of a fasting glucose to insulin ratio and characteristics of insulin resistant women with polycystic ovary syndrome. *Prilozi*. 2006 Jul;27(1):87-95. Available from: PubMed; PMID 16985482
- Porter MB. Polycystic ovary syndrome: the controversy of diagnosis by ultrasound. *Semin Reprod Med*. 2008 May;26(3):241-51. Available from: PubMed; PMID 18504699
- Pusalkar M, Meherji P, Gokral J, Chinnaraj S, Maitra A. CYP11A1 and CYP17 promoter polymorphisms associate with hyperandrogenemia in polycystic ovary syndrome. *Fertil Steril*. 2009 Aug;92(2):653-9. Available from: PubMed; PMID 18725155
- Qu ZY, Shi YH, Zhao DN, Jiang JJ, Ma ZX, Chen ZJ. [Effect of obesity on nonalcoholic fatty liver disease in Chinese women with polycystic ovary syndrome]. *Zhonghua Yi Xue Za Zhi*. 2010 Aug 3;90(29):2036-9. Available from: PubMed; PMID 21029639
- Rackow BW. Polycystic ovary syndrome in adolescents. *Curr Opin Obstet Gynecol*. 2012 Oct;24(5):281-7. Available from: PubMed; PMID 22781076
- Reyss AC, Proust-Richard C, Catteau-Jonard S, Dewailly D. [Rotterdam consensus in adolescent girls: which investigations and how to interpret them to make the diagnosis of PCOS?]. *Gynecol Obstet Fertil*. 2006 Apr;34(4):341-6. Available from: PubMed; PMID 16630737

- Robin G, Catteau-Jonard S, Young J, Dewailly D. [Physiopathological link between polycystic ovary syndrome and hyperprolactinemia: myth or reality?]. *Gynecol Obstet Fertil*. 2011 Mar;39(3):141-5. Available from: PubMed; PMID 21388855
- Rosenfield RL, Wroblewski K, Padmanabhan V, Littlejohn E, Mortensen M, Ehrmann DA. Antimüllerian hormone levels are independently related to ovarian hyperandrogenism and polycystic ovaries. *Fertil Steril*. 2012 Jul;98(1):242-9. Available from: PubMed; PMID 22541936
- Rudnicka E, Kunicki M, Radowski S. [Androgen and 17-hydroxyprogesterone concentrations in blood serum versus menstrual patterns in women with polycystic ovary syndrome (PCOS)]. *Ginekol Pol*. 2010 Oct;81(10):745-9. Available from: PubMed; PMID 21117302
- Sahin I, Celik O, Celik N, Keskin L, Dogru A, Dogru I, Yurekli M, Yologlu S. Adrenomedullin: possible predictor of insulin resistance in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2012 Jun;35(6):553-6. Available from: PubMed; PMID 21791966
- Salley KE, Wickham EP, Cheang KI, Essah PA, Karjane NW, Nestler JE. Glucose intolerance in polycystic ovary syndrome--a position statement of the Androgen Excess Society. *J Clin Endocrinol Metab*. 2007 Dec;92(12):4546-56. Available from: PubMed; PMID 18056778
- Sarapatkova H, Hrcakova Y, Sarapatkova R. [Basic anthropometric characteristics and their relationship with the metabolism of saccharides in women with PCOS]. *Ceska Gynkol*. 2011 Oct;76(5):343-8. Available from: PubMed; PMID 22132633
- Sathyapalan T, Atkin SL. Recent advances in cardiovascular aspects of polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Apr;166(4):575-83. Available from: PubMed; PMID 22096112
- Schmidt J, Brannstrom M, Landin-Wilhelmsen K, Dahlgren E. Reproductive hormone levels and anthropometry in postmenopausal women with polycystic ovary syndrome (PCOS): a 21-year follow-up study of women diagnosed with PCOS around 50 years ago and their age-matched controls. *J Clin Endocrinol Metab*. 2011 Jul;96(7):2178-85. Available from: PubMed; PMID 21508129
- Schmidt J, Landin-Wilhelmsen K, Brannstrom M, Dahlgren E. Cardiovascular disease and risk factors in PCOS women of postmenopausal age: a 21-year controlled follow-up study. *J Clin Endocrinol Metab*. 2011 Dec;96(12):3794-803. Available from: PubMed; PMID 21956415
- Schmidt J, Dahlgren E, Brannstrom M, Landin-Wilhelmsen K. Body composition, bone mineral density and fractures in late postmenopausal women with polycystic ovary syndrome - a long-term follow-up study. *Clin Endocrinol (Oxf)*. 2012 Aug;77(2):207-14. Available from: PubMed; PMID 22385110
- Seneviratne HR, Lankeshwara D, Wijeratne S, Somasunderam N, Athukorale D. Serum insulin patterns and the relationship between insulin sensitivity and glycaemic profile in women with polycystic ovary syndrome. *BJOG*. 2009 Dec;116(13):1722-8. Available from: PubMed; PMID 19775306
- Shroff R, Syrop CH, Davis W, Van Voorhis BJ, Dokras A. Risk of metabolic complications in the new PCOS phenotypes based on the Rotterdam criteria. *Fertil Steril*. 2007 Nov;88(5):1389-95. Available from: PubMed; PMID 17462641
- Smith HA, Markovic N, Matthews AK, Danielson ME, Kalro BN, Youk AO, Talbott EO. A comparison of polycystic ovary syndrome and related factors between lesbian and heterosexual women. *Womens Health Issues*. 2011 May-Jun;21(3):191-8. Available from: PubMed; PMID 21310628
- Soares EM, Azevedo GD, Gadelha RG, Lemos TM, Maranhao TM. Prevalence of the metabolic syndrome and its components in Brazilian women with polycystic ovary syndrome. *Fertil Steril*. 2008 Mar;89(3):649-55. Available from: PubMed; PMID 17543961
- Svendsen PF, Madsbad S, Nilas L. The insulin-resistant phenotype of polycystic ovary syndrome. *Fertil Steril*. 2010 Aug;94(3):1052-8. Available from: PubMed; PMID 19580964
- Tan S, Scherag A, Janssen OE, Hahn S, Lahner H, Dietz T, Scherag S, Grallert H, Vogel CI, Kimmig R, Illig T, Mann K, Hebebrand J, Hinney A. Large effects on body mass index and insulin resistance of fat mass and obesity associated gene (FTO) variants in patients with polycystic ovary syndrome (PCOS). *BMC Med Genet*. 2010;11:12. Available from: PubMed; PMID 20092643
- Tang T, Balen AH. A woman with polycystic ovary syndrome treated for infertility by in vitro fertilization. *Nat Rev Endocrinol*. 2009 Aug;5(8):462-5. Available from: PubMed; PMID 19629068
- Tehrani FR, Rashidi H, Azizi F. The prevalence of idiopathic hirsutism and polycystic ovary syndrome in the Tehran Lipid and Glucose Study. *Reprod Biol Endocrinol*. 2011;9:144. Available from: PubMed; PMID 22044512
- Tehrani FR, Simbar M, Tohidi M, Hosseini-panah F, Azizi F. The prevalence of polycystic ovary syndrome in a community sample of Iranian population: Iranian PCOS prevalence study. *Reprod Biol Endocrinol*. 2011;9:39. Available from: PubMed; PMID 21435276
- Trivax B, Azziz R. Diagnosis of polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):168-77. Available from: PubMed; PMID 17304034



- Valkenburg O, Steegers-Theunissen RP, Smedts HP, Dallinga-Thie GM, Fauser BC, Westerveld EH, Laven JS. A more atherogenic serum lipoprotein profile is present in women with polycystic ovary syndrome: a case-control study. *J Clin Endocrinol Metab.* 2008 Feb;93(2):470-6. Available from: PubMed; PMID 18056772
- Valkenburg O, Uitterlinden AG, Piersma D, Hofman A, Themmen AP, de Jong FH, Fauser BC, Laven JS. Genetic polymorphisms of GnRH and gonadotrophic hormone receptors affect the phenotype of polycystic ovary syndrome. *Hum Reprod.* 2009 Aug;24(8):2014-22. Available from: PubMed; PMID 19403562
- Valkenburg O, Uitterlinden AG, Themmen AP, de Jong FH, Hofman A, Fauser BC, Laven JS. Genetic polymorphisms of the glucocorticoid receptor may affect the phenotype of women with anovulatory polycystic ovary syndrome. *Hum Reprod.* 2011 Oct;26(10):2902-11. Available from: PubMed; PMID 21803757
- van Wely M, Bayram N, Bossuyt PM, van der Veen F. Laparoscopic electrocautery of the ovaries versus recombinant FSH in clomiphene citrate-resistant polycystic ovary syndrome. Impact on women's health-related quality of life. *Hum Reprod.* 2004 Oct;19(10):2244-50. Available from: PubMed; PMID 15242999
- Vanky E, Backe B, Carlsen SM. Sex ratio and pregnancy complications according to mode of conception in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2009;88(11):1261-6. Available from: PubMed; PMID 19900142
- Vanky E, Stridsklev S, Skogoy K, Kleggetveit O, Hjelle S, Brandis PV, Eikeland T, Flo K, Berg KF, Bunford G, Lund A, Bjerke C, Almas I, Berg AH, Danielsson A, Lahmami G, Carlsen SM. PCOS--what matters in early pregnancy?--data from a cross-sectional, multicenter study. *Acta Obstet Gynecol Scand.* 2011 Apr;90(4):398-404. Available from: PubMed; PMID 21306318
- Vassiliadi DA, Barber TM, Hughes BA, McCarthy MI, Wass JA, Franks S, Nightingale P, Tomlinson JW, Arlt W, Stewart PM. Increased 5 alpha-reductase activity and adrenocortical drive in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Sep;94(9):3558-66. Available from: PubMed; PMID 19567518
- Vink JM, Sadrzadeh S, Lambalk CB, Boomsma DI. Heritability of polycystic ovary syndrome in a Dutch twin-family study. *J Clin Endocrinol Metab.* 2006 Jun;91(6):2100-4. Available from: PubMed; PMID 16219714
- Vrbikova J, Bendlova B. [Polycystic ovary syndrome in 2006]. *Cas Lek Cesk.* 2007;146(3):218-22. Available from: PubMed; PMID 17419303
- Vrbikova J, Fanta M, Pelikanova T, Skrha J, Marek J. [A recommended approach to evaluate cardiovascular risk and to prevent cardiovascular diseases and type 2 diabetes mellitus in women with polycystic ovary syndrome]. *Vnitř Lek.* 2012 Jan;58(1):56-7. Available from: PubMed; PMID 22448702
- Wang JG, Lobo RA. The complex relationship between hypothalamic amenorrhea and polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Apr;93(4):1394-7. Available from: PubMed; PMID 18230664
- Wang Y, Qu J, Wu X, Hou L, Erkkola R, Wang Y. Different phenotypes of polycystic ovary syndrome by Rotterdam criteria are differently steroidogenic but similarly insulin resistant. *Fertil Steril.* 2010 Mar 1;93(4):1362-5. Available from: PubMed; PMID 19782351
- Weerakiet S, Sophonsritsuk A, Lertvikool S, Satirapot C, Leelaphiwat S, Jultanas R. Randomized controlled trial of different doses of metformin for ovulation induction in infertile women with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2011 Sep;37(9):1229-37. Available from: PubMed; PMID 21518135
- Welt CK, Gudmundsson JA, Arason G, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Characterizing discrete subsets of polycystic ovary syndrome as defined by the Rotterdam criteria: the impact of weight on phenotype and metabolic features. *J Clin Endocrinol Metab.* 2006 Dec;91(12):4842-8. Available from: PubMed; PMID 17003085
- Welt CK, Styrkarsdottir U, Ehrmann DA, Thorleifsson G, Arason G, Gudmundsson JA, Ober C, Rosenfield RL, Saxena R, Thorsteinsdottir U, Crowley WF, Stefansson K. Variants in DENND1A are associated with polycystic ovary syndrome in women of European ancestry. *J Clin Endocrinol Metab.* 2012 Jul;97(7):E1342-7. Available from: PubMed; PMID 22547425
- Wertheim K, Sobczynska-Tomaszewska A, Bal J. [Search for the etiopathogenesis of polycystic ovary syndrome (PCOS)]. *Ginekol Pol.* 2007 Aug;78(8):626-31. Available from: PubMed; PMID 18050612
- Westerveld HE, Hoogendoorn M, de Jong AW, Goverde AJ, Fauser BC, Dallinga-Thie GM. Cardiometabolic abnormalities in the polycystic ovary syndrome: pharmacotherapeutic insights. *Pharmacol Ther.* 2008 Sep;119(3):223-41. Available from: PubMed; PMID 18602948
- Wijeyaratne CN, Seneviratne Rde A, Dahanayake S, Kumarapeli V, Palipane E, Kuruppu N, Yapa C, Seneviratne Rde A, Balen AH. Phenotype and metabolic profile of South Asian women with polycystic ovary syndrome (PCOS): results of a large database from a specialist Endocrine Clinic. *Hum Reprod.* 2011 Jan;26(1):202-13. Available from: PubMed; PMID 21098627
- Wild RA, Rizzo M, Clifton S, Carmina E. Lipid levels in polycystic ovary syndrome: systematic review and meta-

analysis. *Fertil Steril*. 2011 Mar 1;95(3):1073-9 e1-11. Available from: PubMed; PMID 21247558

Wongwananuruk T, Indhavivadhana S, Rattanachaiyanont M, Techatrasak K, Leerasiri P, Tanmahasamut P, Angsuwathana S, Dangrat C. Characteristics of 250 reproductive-aged polycystic ovary syndrome Thai women at Siriraj Hospital. *J Med Assoc Thai*. 2010 Apr;93(4):399-405. Available from: PubMed; PMID 20462080

Wu J, Zhu Y, Jiang Y, Cao Y. Effects of metformin and ethinyl estradiol-cyproterone acetate on clinical, endocrine and metabolic factors in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Jul;24(7):392-8. Available from: PubMed; PMID 18608522

Xu XH, Tan YC, Shi YH, Wang B, Ju XQ, Zheng QM, Hao CF, Chen ZJ. [Different types of menstrual cycle and their significance in Chinese women diagnosed with polycystic ovary syndrome according to the Rotterdam consensus criteria]. *Zhonghua Yi Xue Za Zhi*. 2009 Oct 13;89(37):2604-6. Available from: PubMed; PMID 20137675

Yasar L, Ekin M, Gedikbasi A, Erturk AD, Savan K, Ozdemir A, Temur M. Serum adiponectin levels in high school girls with polycystic ovary syndrome and hyperandrogenism. *J Pediatr Adolesc Gynecol*. 2011 Apr;24(2):90-3. Available from: PubMed; PMID 21190873

Yildiz BO, Bozdogan G, Yapici Z, Esinler I, Yarali H. Prevalence, phenotype and cardiometabolic risk of polycystic ovary syndrome under different diagnostic criteria. *Hum Reprod*. 2012 Oct;27(10):3067-73. Available from: PubMed; PMID 22777527

Yilmaz M, Isaoglu U, Delibas IB, Kadanali S. Anthropometric, clinical and laboratory comparison of four phenotypes of polycystic ovary syndrome based on Rotterdam criteria. *J Obstet Gynaecol Res*. 2011 Aug;37(8):1020-6. Available from: PubMed; PMID 21481088

Zhang HY, Zhu FF, Xiong J, Shi XB, Fu SX. Characteristics of different phenotypes of polycystic ovary syndrome based on the Rotterdam criteria in a large-scale Chinese population. *BJOG*. 2009 Nov;116(12):1633-9. Available from: PubMed; PMID 19781047

Zhang HY, Guo CX, Zhu FF, Qu PP, Lin WJ, Xiong J. Clinical characteristics, metabolic features, and phenotype of Chinese women with polycystic ovary syndrome: a large-scale case-control study. *Arch Gynecol Obstet*. 2012 Oct 30. Available from: PubMed; PMID 23108387

Zhang J, Fan P, Liu H, Bai H, Wang Y, Zhang F. Apolipoprotein A-I and B levels, dyslipidemia and metabolic syndrome in south-west Chinese women with PCOS. *Hum Reprod*. 2012 Aug;27(8):2484-93. Available from: PubMed; PMID 22674204

Zhao X, Zhong J, Mo Y, Chen X, Chen Y, Yang D. Association of biochemical hyperandrogenism with type 2 diabetes and obesity in Chinese women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2010 Feb;108(2):148-51. Available from: PubMed; PMID 19932893

## Diagnostic Criteria Testosterone Assay

Abbott AD, Colman RJ, Tiefenthaler R, Dumesic DA, Abbott DH. Early-to-mid gestation fetal testosterone increases right hand 2D:4D finger length ratio in polycystic ovary syndrome-like monkeys. *PLoS One*. 2012;7(8):e42372. Available from: PubMed; PMID 22927929

Abdulghani M, Hussin AH, Sulaiman SA, Chan KL. The ameliorative effects of *Eurycoma longifolia* Jack on testosterone-induced reproductive disorders in female rats. *Reprod Biol*. 2012 Jul;12(2):247-55. Available from: PubMed; PMID 22850474

Allemand MC, Irving BA, Asmann YW, Klaus KA, Tatpati L, Coddington CC, Nair KS. Effect of testosterone on insulin stimulated IRS1 Ser phosphorylation in primary rat myotubes--a potential model for PCOS-related insulin resistance. *PLoS One*. 2009;4(1):e4274. Available from: PubMed; PMID 19169352

Amalfi S, Velez LM, Heber MF, Vighi S, Ferreira SR, Orozco AV, Pignataro O, Motta AB. Prenatal hyperandrogenization induces metabolic and endocrine alterations which depend on the levels of testosterone exposure. *PLoS One*. 2012;7(5):e37658. Available from: PubMed; PMID 22655062

Amato MC, Verghi M, Nucera M, Galluzzo A, Giordano C. Low estradiol-to-testosterone ratio is associated with oligo-anovulatory cycles and atherogenic lipidic pattern in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Aug;27(8):579-86. Available from: PubMed; PMID 20608809

Antoine HJ, Pall M, Trader BC, Chen YD, Azziz R, Goodarzi MO. Genetic variants in peroxisome proliferator-activated receptor gamma influence insulin resistance and testosterone levels in normal women, but not those with polycystic ovary syndrome. *Fertil Steril*. 2007 Apr;87(4):862-9. Available from: PubMed; PMID 17141766

Arner P. Effects of testosterone on fat cell lipolysis. Species differences and possible role in polycystic ovarian syndrome. *Biochimie*. 2005 Jan;87(1):39-43. Available from: PubMed; PMID 15733735

- Barry JA, Kay AR, Navaratnarajah R, Iqbal S, Bamfo JE, David AL, Hines M, Hardiman PJ. Umbilical vein testosterone in female infants born to mothers with polycystic ovary syndrome is elevated to male levels. *J Obstet Gynaecol.* 2010;30(5):444-6. Available from: PubMed; PMID 20604643
- Barry JA, Hardiman PJ, Saxby BK, Kuczmierczyk A. Testosterone and mood dysfunction in women with polycystic ovarian syndrome compared to subfertile controls. *J Psychosom Obstet Gynaecol.* 2011 Jun;32(2):104-11. Available from: PubMed; PMID 21473679
- Barry JA, Hardiman PJ, Siddiqui MR, Thomas M. Meta-analysis of sex difference in testosterone levels in umbilical cord blood. *J Obstet Gynaecol.* 2011 Nov;31(8):697-702. Available from: PubMed; PMID 22085057
- Barth JH, Field HP, Yasmin E, Balen AH. Defining hyperandrogenism in polycystic ovary syndrome: measurement of testosterone and androstenedione by liquid chromatography-tandem mass spectrometry and analysis by receiver operator characteristic plots. *Eur J Endocrinol.* 2010 Mar;162(3):611-5. Available from: PubMed; PMID 20008514
- Bartolone L, Smedile G, Arcoraci V, Trimarchi F, Benvenga S. Extremely high levels of estradiol and testosterone in a case of polycystic ovarian syndrome. Hormone and clinical similarities with the phenotype of the alpha estrogen receptor null mice. *J Endocrinol Invest.* 2000 Jul-Aug;23(7):467-72. Available from: PubMed; PMID 11005272
- Beloosesky R, Gold R, Almog B, Sasson R, Dantes A, Land-Bracha A, Hirsh L, Itskovitz-Eldor J, Lessing JB, Homburg R, Amsterdam A. Induction of polycystic ovary by testosterone in immature female rats: Modulation of apoptosis and attenuation of glucose/insulin ratio. *Int J Mol Med.* 2004 Aug;14(2):207-15. Available from: PubMed; PMID 15254767
- Berria R, Gastaldelli A, Lucidi S, Belfort R, De Filippis E, Easton C, Brytzki R, Cusi K, Jovanovic L, DeFronzo R. Reduction in hematocrit level after pioglitazone treatment is correlated with decreased plasma free testosterone level, not hemodilution, in women with polycystic ovary syndrome. *Clin Pharmacol Ther.* 2006 Aug;80(2):105-14. Available from: PubMed; PMID 16890572
- Cermik D, Selam B, Taylor HS. Regulation of HOXA-10 expression by testosterone in vitro and in the endometrium of patients with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Jan;88(1):238-43. Available from: PubMed; PMID 12519859
- Cho LW, Kilpatrick ES, Jayagopal V, Diver MJ, Atkin SL. Biological variation of total testosterone, free androgen index and bioavailable testosterone in polycystic ovarian syndrome: implications for identifying hyperandrogenaemia. *Clin Endocrinol (Oxf).* 2008 Mar;68(3):390-4. Available from: PubMed; PMID 17888022
- Cupisti S, Giltay EJ, Gooren LJ, Kronawitter D, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The impact of testosterone administration to female-to-male transsexuals on insulin resistance and lipid parameters compared with women with polycystic ovary syndrome. *Fertil Steril.* 2010 Dec;94(7):2647-53. Available from: PubMed; PMID 20451188
- Cupisti S, Haberle L, Dittrich R, Oppelt PG, Reissmann C, Kronawitter D, Beckmann MW, Mueller A. Smoking is associated with increased free testosterone and fasting insulin levels in women with polycystic ovary syndrome, resulting in aggravated insulin resistance. *Fertil Steril.* 2010 Jul;94(2):673-7. Available from: PubMed; PMID 19394003
- Dong Z, Chen X, Li L, Huang J, Yin Q, Yang D. Free testosterone level correlated with the metabolic abnormalities dependent on central obesity in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2012 Jun;120(6):355-60. Available from: PubMed; PMID 22576257
- Douchi T, Yoshimitsu N, Nagata Y. Relationships among serum testosterone levels, body fat and muscle mass distribution in women with polycystic ovary syndrome. *Endocr J.* 2001 Dec;48(6):685-9. Available from: PubMed; PMID 11873867
- Forneris M, Rosales E, Ciuffo G, Oliveros L. Testosterone environment of splenocytes modifies the steroidogenesis of polycystic ovary in rats. *Horm Metab Res.* 2008 Apr;40(4):239-44. Available from: PubMed; PMID 18256972
- Gaasenbeek M, Powell BL, Sovio U, Haddad L, Gharani N, Bennett A, Groves CJ, Rush K, Goh MJ, Conway GS, Ruokonen A, Martikainen H, Pouta A, Taponen S, Hartikainen AL, Halford S, Jarvelin MR, Franks S, McCarthy MI. Large-scale analysis of the relationship between CYP11A promoter variation, polycystic ovarian syndrome, and serum testosterone. *J Clin Endocrinol Metab.* 2004 May;89(5):2408-13. Available from: PubMed; PMID 15126571
- Glueck CJ, Goldenberg N, Wang P, Loftspring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. *Hum Reprod.* 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944
- Glueck CJ, Morrison JA, Friedman LA, Goldenberg N, Stroop DM, Wang P. Obesity, free testosterone, and cardiovascular risk factors in adolescents with polycystic ovary syndrome and regularly cycling adolescents. *Metabolism.* 2006 Apr;55(4):508-14. Available from: PubMed; PMID 16546482

Hahn S, Kuehnel W, Tan S, Kramer K, Schmidt M, Roesler S, Kimmig R, Mann K, Janssen OE. Diagnostic value of calculated testosterone indices in the assessment of polycystic ovary syndrome. *Clin Chem Lab Med*. 2007;45(2):202-7. Available from: PubMed; PMID 17311509

Hart R, Sloboda DM, Doherty DA, Norman RJ, Atkinson HC, Newnham JP, Dickinson JE, Hickey M. Circulating maternal testosterone concentrations at 18 weeks of gestation predict circulating levels of antimüllerian hormone in adolescence: a prospective cohort study. *Fertil Steril*. 2010 Sep;94(4):1544-7. Available from: PubMed; PMID 20153853

Hornig SG, Wang TH, Wang HS. Estradiol-to-testosterone ratio is associated with response to metformin treatment in women with clomiphene citrate-resistant polycystic ovary syndrome (PCOS). *Chang Gung Med J*. 2008 Sep-Oct;31(5):477-83. Available from: PubMed; PMID 19097595

Ingudomnukul E, Baron-Cohen S, Wheelwright S, Knickmeyer R. Elevated rates of testosterone-related disorders in women with autism spectrum conditions. *Horm Behav*. 2007 May;51(5):597-604. Available from: PubMed; PMID 17462645

Iwasa T, Matsuzaki T, Minakuchi M, Tanaka N, Shimizu F, Hirata Y, Kuwahara A, Yasui T, Maegawa M, Irahara M. Diagnostic performance of serum total testosterone for Japanese patients with polycystic ovary syndrome. *Endocr J*. 2007 Apr;54(2):233-8. Available from: PubMed; PMID 17283381

Jayagopal V, Kilpatrick ES, Jennings PE, Hepburn DA, Atkin SL. The biological variation of testosterone and sex hormone-binding globulin (SHBG) in polycystic ovarian syndrome: implications for SHBG as a surrogate marker of insulin resistance. *J Clin Endocrinol Metab*. 2003 Apr;88(4):1528-33. Available from: PubMed; PMID 12679434

King AJ, Olivier NB, Mohankumar PS, Lee JS, Padmanabhan V, Fink GD. Hypertension caused by prenatal testosterone excess in female sheep. *Am J Physiol Endocrinol Metab*. 2007 Jun;292(6):E1837-41. Available from: PubMed; PMID 17327368

Koïou E, Tziomalos K, Katsikis I, Kalaitzakis E, Kandaraki EA, Tsourdi EA, Delkos D, Papadakis E, Panidis D. Circulating platelet-derived microparticles are elevated in women with polycystic ovary syndrome diagnosed with the 1990 criteria and correlate with serum testosterone levels. *Eur J Endocrinol*. 2011 Jul;165(1):63-8. Available from: PubMed; PMID 21543377

Legro RS, Schlaff WD, Diamond MP, Coutifaris C, Casson PR, Brzyski RG, Christman GM, Trussell JC, Krawetz SA, Snyder PJ, Ohl D, Carson SA, Steinkampf MP, Carr BR, McGovern PG, Cataldo NA, Gosman GG, Nestler JE,

Myers ER, Santoro N, Eisenberg E, Zhang M, Zhang H. Total testosterone assays in women with polycystic ovary syndrome: precision and correlation with hirsutism. *J Clin Endocrinol Metab*. 2010 Dec;95(12):5305-13. Available from: PubMed; PMID 20826578

Lerchbaum E, Schwetz V, Giuliani A, Pieber TR, Obermayer-Pietsch B. Opposing effects of dehydroepiandrosterone sulfate and free testosterone on metabolic phenotype in women with polycystic ovary syndrome. *Fertil Steril*. 2012 Nov;98(5):1318-25 e1. Available from: PubMed; PMID 22835450

Li C, Cheng J, Wang J, Xue Y, Huang Z, Zhang S, Lv J. Prognostic value of total testosterone for pregnancy during treatment in patients with clomiphene-citrate-resistant polycystic ovary syndrome: a pilot study. *Arch Gynecol Obstet*. 2011 Sep;284(3):757-64. Available from: PubMed; PMID 21614496

Misichronis G, Georgopoulos NA, Marioli DJ, Armeni AK, Katsikis I, Piouka AD, Saltamavros AD, Roupas ND, Panidis D. The influence of obesity on androstenedione to testosterone ratio in women with polycystic ovary syndrome (PCOS) and hyperandrogenemia. *Gynecol Endocrinol*. 2012 Apr;28(4):249-52. Available from: PubMed; PMID 21970600

Misugi T, Ozaki K, El Beltagy K, Tokuyama O, Honda K, Ishiko O. Insulin-lowering agents inhibit synthesis of testosterone in ovaries of DHEA-induced PCOS rats. *Gynecol Obstet Invest*. 2006;61(4):208-15. Available from: PubMed; PMID 16479139

Mohlig M, Jurgens A, Spranger J, Hoffmann K, Weickert MO, Schloesser HW, Schill T, Brabant G, Schuring A, Pfeiffer AF, Gromoll J, Schofl C. The androgen receptor CAG repeat modifies the impact of testosterone on insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Jul;155(1):127-30. Available from: PubMed; PMID 16793958

Moran C, Renteria JL, Moran S, Herrera J, Gonzalez S, Bermudez JA. Obesity differentially affects serum levels of androstenedione and testosterone in polycystic ovary syndrome. *Fertil Steril*. 2008 Dec;90(6):2310-7. Available from: PubMed; PMID 18163993

Mueller A, Dittrich R, Cupisti S, Beckmann MW, Binder H. Is it necessary to measure free testosterone to assess hyperandrogenemia in women? The role of calculated free and bioavailable testosterone. *Exp Clin Endocrinol Diabetes*. 2006 Apr;114(4):182-7. Available from: PubMed; PMID 16705550

Nelson VL, Qin KN, Rosenfield RL, Wood JR, Penning TM, Legro RS, Strauss JF, 3rd, McAllister JM. The biochemical basis for increased testosterone production in theca cells propagated from patients with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2001 Dec;86(12):5925-33. Available from: PubMed; PMID 11739466

Padmanabhan V, Veiga-Lopez A, Abbott DH, Recabarren SE, Herkimer C. Developmental programming: impact of prenatal testosterone excess and postnatal weight gain on insulin sensitivity index and transfer of traits to offspring of overweight females. *Endocrinology*. 2010 Feb;151(2):595-605. Available from: PubMed; PMID 19966179

Pall ME, Lao MC, Patel SS, Lee ML, Ghods DE, Chandler DW, Friedman TC. Testosterone and bioavailable testosterone help to distinguish between mild Cushing's syndrome and polycystic ovarian syndrome. *Horm Metab Res*. 2008 Nov;40(11):813-8. Available from: PubMed; PMID 18819057

Petry CJ, Ong KK, Michelmore KF, Artigas S, Wingate DL, Balen AH, de Zegher F, Ibanez L, Dunger DB. Associations between common variation in the aromatase gene promoter region and testosterone concentrations in two young female populations. *J Steroid Biochem Mol Biol*. 2006 Mar;98(4-5):199-206. Available from: PubMed; PMID 16473000

Puder JJ, Muller B, Keller U. Letter re: The biological variation of testosterone and sex hormone-binding globulin (SHBG) in polycystic ovarian syndrome: implications for SHBG as a surrogate marker of insulin resistance. *J Clin Endocrinol Metab*. 2005 Jul;90(7):4419-20. Available from: PubMed; PMID 16002415

Qureshi AI, Nussey SS, Bano G, Musonda P, Whitehead SA, Mason HD. Testosterone selectively increases primary follicles in ovarian cortex grafted onto embryonic chick membranes: relevance to polycystic ovaries. *Reproduction*. 2008 Aug;136(2):187-94. Available from: PubMed; PMID 18456904

Ropelato MG, Rudaz MC, Escobar ME, Bengolea SV, Calcagno ML, Veldhuis JD, Barontini M. Acute effects of testosterone infusion on the serum luteinizing hormone profile in eumenorrheic and polycystic ovary syndrome adolescents. *J Clin Endocrinol Metab*. 2009 Sep;94(9):3602-10. Available from: PubMed; PMID 19567528

Sahinkanat T, Ozturk E, Ozkan Y, Coskun A, Ekerbicer H. The relationship between serum testosterone levels and bladder storage symptoms in a female population with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2011 Oct;284(4):879-84. Available from: PubMed; PMID 21107589

Schattmann L, Sherwin BB. Testosterone levels and cognitive functioning in women with polycystic ovary syndrome and in healthy young women. *Horm Behav*. 2007 May;51(5):587-96. Available from: PubMed; PMID 17433328

Schattmann L, Sherwin BB. Effects of the pharmacologic manipulation of testosterone on cognitive functioning in women with polycystic ovary syndrome: a randomized, placebo-controlled treatment study. *Horm Behav*. 2007

May;51(5):579-86. Available from: PubMed; PMID 17346715

Sharquie KE, Al-Bayatti AA, Al-Ajeel AI, Al-Bahar AJ, Al-Nuaimy AA. Free testosterone, luteinizing hormone/follicle stimulating hormone ratio and pelvic sonography in relation to skin manifestations in patients with polycystic ovary syndrome. *Saudi Med J*. 2007 Jul;28(7):1039-43. Available from: PubMed; PMID 17603706

Skrgatic L, Baldani DP, Cerne JZ, Ferk P, Gersak K. CAG repeat polymorphism in androgen receptor gene is not directly associated with polycystic ovary syndrome but influences serum testosterone levels. *J Steroid Biochem Mol Biol*. 2012 Feb;128(3-5):107-12. Available from: PubMed; PMID 22107839

Sotomayor-Zarate R, Tiszavari M, Cruz G, Lara HE. Neonatal exposure to single doses of estradiol or testosterone programs ovarian follicular development-modified hypothalamic neurotransmitters and causes polycystic ovary during adulthood in the rat. *Fertil Steril*. 2011 Dec;96(6):1490-6. Available from: PubMed; PMID 21982285

Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology*. 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266

Tamura N, Kurabayashi T, Nagata H, Matsushita H, Yahata T, Tanaka K. Effects of testosterone on cancellous bone, marrow adipocytes, and ovarian phenotype in a young female rat model of polycystic ovary syndrome. *Fertil Steril*. 2005 Oct;84 Suppl 2:1277-84. Available from: PubMed; PMID 16210021

Veiga-Lopez A, Lee JS, Padmanabhan V. Developmental programming: insulin sensitizer treatment improves reproductive function in prenatal testosterone-treated female sheep. *Endocrinology*. 2010 Aug;151(8):4007-17. Available from: PubMed; PMID 20555028

Veiga-Lopez A, Ye W, Padmanabhan V. Developmental programming: prenatal testosterone excess disrupts anti-Mullerian hormone expression in preantral and antral follicles. *Fertil Steril*. 2012 Mar;97(3):748-56. Available from: PubMed; PMID 22245531

Veldhuis JD, Pincus SM, Garcia-Rudaz MC, Ropelato MG, Escobar ME, Barontini M. Disruption of the joint synchrony of luteinizing hormone, testosterone, and androstenedione secretion in adolescents with polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2001 Jan;86(1):72-9. Available from: PubMed; PMID 11231981

Vrtovec B, Meden-Vrtovec H, Jensterle M, Radovancevic B. Testosterone-related shortening of QTc interval in women with polycystic ovary syndrome. *J Endocrinol*

Invest. 2008 Jul;31(7):653-5. Available from: PubMed; PMID 18787386

Wang L, Wang Y, Zhang X, Shi J, Wang M, Wei Z, Zhao A, Li B, Zhao X, Xing Q, He L. Common genetic variation in MTNR1B is associated with serum testosterone, glucose tolerance, and insulin secretion in polycystic ovary syndrome patients. *Fertil Steril*. 2010 Nov;94(6):2486-9, 9 e1-2. Available from: PubMed; PMID 20207350

Winters SJ, Talbott E, Guzick DS, Zborowski J, McHugh KP. Serum testosterone levels decrease in middle age in women with the polycystic ovary syndrome. *Fertil Steril*. 2000 Apr;73(4):724-9. Available from: PubMed; PMID 10731532

Xu J, Qu HQ, Fang HL. [Effect of electroacupuncture combined with auricular point tapping and pressing on serum insulin and testosterone in the patients of obese women with polycystic ovary syndrome]. *Zhongguo Zhen Jiu*. 2009 Jun;29(6):441-3. Available from: PubMed; PMID 19563188

Zhu MW, Li X, Lin JF. [Characteristics of quantitative change relation between insulin and testosterone in polycystic ovary syndrome]. *Zhonghua Yi Xue Za Zhi*. 2008 Sep 16;88(35):2487-9. Available from: PubMed; PMID 19080630

## Diagnostic Criteria: Age at Diagnosis

Akram T, Hasan S, Imran M, Karim A, Arslan M. Association of polycystic ovary syndrome with cardiovascular risk factors. *Gynecol Endocrinol*. 2010 Jan;26(1):47-53. Available from: PubMed; PMID 19639500

Al-Ruhaily AD, Malabu UH, Sulimani RA. Hirsutism in Saudi females of reproductive age: a hospital-based study. *Ann Saudi Med*. 2008 Jan-Feb;28(1):28-32. Available from: PubMed; PMID 18299651

Bals-Pratsch M, Grosser B, Seifert B, Ortman O, Seifarth C. Early onset and high prevalence of gestational diabetes in PCOS and insulin resistant women before and after assisted reproduction. *Exp Clin Endocrinol Diabetes*. 2011 Jun;119(6):338-42. Available from: PubMed; PMID 21374548

Barutcuoglu B, Bozdemir AE, Dereli D, Parildar Z, Mutaf MI, Ozmen D, Bayindir O. Increased serum neopterin levels in women with polycystic ovary syndrome. *Ann Clin Lab Sci*. 2006 Summer;36(3):267-72. Available from: PubMed; PMID 16951267

Battaglia C, Regnani G, Mancini F, Iughetti L, Flamigni C, Venturoli S. Polycystic ovaries in childhood: a common finding in daughters of PCOS patients. A pilot study. *Hum Reprod*. 2002 Mar;17(3):771-6. Available from: PubMed; PMID 11870134

Biro FM. Body morphology and its impact on adolescent and pediatric gynecology, with a special emphasis on polycystic ovary syndrome. *Curr Opin Obstet Gynecol*. 2003 Oct;15(5):347-51. Available from: PubMed; PMID 14501236

Boulman N, Levy Y, Leiba R, Shachar S, Linn R, Zinder O, Blumenfeld Z. Increased C-reactive protein levels in the polycystic ovary syndrome: a marker of cardiovascular disease. *J Clin Endocrinol Metab*. 2004 May;89(5):2160-5. Available from: PubMed; PMID 15126536

Bronstein J, Tawdekar S, Liu Y, Pawelczak M, David R, Shah B. Age of onset of polycystic ovarian syndrome in girls may be earlier than previously thought. *J Pediatr Adolesc Gynecol*. 2011 Feb;24(1):15-20. Available from: PubMed; PMID 21262477

Cheang KI, Nestler JE, Futterweit W. Risk of cardiovascular events in mothers of women with polycystic ovary syndrome. *Endocr Pract*. 2008 Dec;14(9):1084-94. Available from: PubMed; PMID 19158047

Diamanti-Kandaraki E, Christakou CD, Kandaraki E, Alexandraki KI. Early onset adiposity: a pathway to polycystic ovary syndrome in adolescents? *Hormones (Athens)*. 2007 Jul-Sep;6(3):210-7. Available from: PubMed; PMID 17724005

Diamanti-Kandaraki E, Christakou C, Palioura E, Kandaraki E, Livadas S. Does polycystic ovary syndrome start in childhood? *Pediatr Endocrinol Rev*. 2008 Jun;5(4):904-11. Available from: PubMed; PMID 18552753

Egbase PE, Al-Sharhan M, Grudzinskas JG. 'Early coasting' in patients with polycystic ovarian syndrome is consistent with good clinical outcome. *Hum Reprod*. 2002 May;17(5):1212-6. Available from: PubMed; PMID 11980740

Ehrmann DA. Metabolic dysfunction in pcos: Relationship to obstructive sleep apnea. *Steroids*. 2012 Mar 10;77(4):290-4. Available from: PubMed; PMID 22178788

Escobar-Morreale HF, Roldan B, Barrio R, Alonso M, Sancho J, de la Calle H, Garcia-Robles R. High prevalence of the polycystic ovary syndrome and hirsutism in women with type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2000 Nov;85(11):4182-7. Available from: PubMed; PMID 11095451

Kelekci KH, Kelekci S, Incki K, Ozdemir O, Yilmaz B. Ovarian morphology and prevalence of polycystic ovary syndrome in reproductive aged women with or without

mild acne. *Int J Dermatol.* 2010 Jul;49(7):775-9. Available from: PubMed; PMID 20618496

Kravariti M, Naka KK, Kalantaridou SN, Kazakos N, Katsouras CS, Makrigiannakis A, Paraskevaidis EA, Chrousos GP, Tsatsoulis A, Michalis LK. Predictors of endothelial dysfunction in young women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Sep;90(9):5088-95. Available from: PubMed; PMID 15985492

Kurzrock R, Cohen PR. Polycystic ovary syndrome in men: Stein-Leventhal syndrome revisited. *Med Hypotheses.* 2007;68(3):480-3. Available from: PubMed; PMID 17134841

Livadas S, Christou M, Economou F, Karachalios A, Xyrafis X, Boutzios G, Zerva A, Tantalaki E, Palimeri S, Diamanti-Kandarakis E. "Menstrual irregularities in PCOS. Does it matter when it starts?". *Exp Clin Endocrinol Diabetes.* 2011 Jun;119(6):334-7. Available from: PubMed; PMID 21553361

Loverro G. Polycystic ovary syndrome and cardiovascular disease. *Minerva Endocrinol.* 2004 Sep;29(3):129-38. Available from: PubMed; PMID 15282445

Mifsud A, Ramirez S, Yong EL. Androgen receptor gene CAG trinucleotide repeats in anovulatory infertility and polycystic ovaries. *J Clin Endocrinol Metab.* 2000 Sep;85(9):3484-8. Available from: PubMed; PMID 10999852

Oberfield SE, Sopher AB, Gerken AT. Approach to the girl with early onset of pubic hair. *J Clin Endocrinol Metab.* 2011 Jun;96(6):1610-22. Available from: PubMed; PMID 21602454

Pelusi C, Pasquali R. Polycystic ovary syndrome in adolescents: pathophysiology and treatment implications. *Treat Endocrinol.* 2003;2(4):215-30. Available from: PubMed; PMID 15966558

Rachon D. Differential diagnosis of hyperandrogenism in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2012 Apr;120(4):205-9. Available from: PubMed; PMID 22421986

Roemer JB. For parents. Polycystic ovary syndrome. Something to watch out for. *Diabetes Self Manag.* 2008 May-Jun;25(3):14, 6, 8, 21. Available from: PubMed; PMID 18686313

Shroff R, Kerchner A, Maifeld M, Van Beek EJ, Jagasia D, Dokras A. Young obese women with polycystic ovary syndrome have evidence of early coronary atherosclerosis. *J Clin Endocrinol Metab.* 2007 Dec;92(12):4609-14. Available from: PubMed; PMID 17848406

Sir-Petermann T, Codner E, Perez V, Echiburu B, Maliqueo M, Ladron de Guevara A, Preisler J, Crisosto N, Sanchez F, Cassorla F, Bhasin S. Metabolic and

reproductive features before and during puberty in daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Jun;94(6):1923-30. Available from: PubMed; PMID 19223518

Snyder BS. Polycystic ovary syndrome (PCOS) in the adolescent patient: recommendations for practice. *Pediatr Nurs.* 2005 Sep-Oct;31(5):416-21. Available from: PubMed; PMID 16295159

Somani N, Harrison S, Bergfeld WF. The clinical evaluation of hirsutism. *Dermatol Ther.* 2008 Sep-Oct;21(5):376-91. Available from: PubMed; PMID 18844715

Stanciu IN, Pitale S, Prinz RA, Jakate S, Webb G, Steiner D, Braithwaite S, Gordon D, Emanuele MA. Insulinoma presenting with hyperandrogenism: a case report and a literature review. *J Intern Med.* 2003 Apr;253(4):484-9. Available from: PubMed; PMID 12653879

Tasali E, Chapotot F, Leproult R, Whitmore H, Ehrmann DA. Treatment of obstructive sleep apnea improves cardiometabolic function in young obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Feb;96(2):365-74. Available from: PubMed; PMID 21123449

Veltman-Verhulst SM, van Rijn BB, Westerveld HE, Franx A, Bruinse HW, Fauser BC, Goverde AJ. Polycystic ovary syndrome and early-onset preeclampsia: reproductive manifestations of increased cardiovascular risk. *Menopause.* 2010 Sep-Oct;17(5):990-6. Available from: PubMed; PMID 20551845

Yarman S, Dursun A, Oguz F, Alagol F. The prevalence, molecular analysis and HLA typing of late-onset 21-hydroxylase deficiency in Turkish woman with hirsutism and polycystic ovary. *Endocr J.* 2004 Feb;51(1):31-6. Available from: PubMed; PMID 15004406

Yasar L, Ekin M, Gedikbasi A, Erturk AD, Savan K, Ozdemir A, Temur M. Serum adiponectin levels in high school girls with polycystic ovary syndrome and hyperandrogenism. *J Pediatr Adolesc Gynecol.* 2011 Apr;24(2):90-3. Available from: PubMed; PMID 21190873

Zukauskaitė S, Seibokaite A, Lasas L, Lasiene D, Urbonaite B, Kieslyte J. Serum hormone levels and anthropometric characteristics in girls with hyperandrogenism. *Medicina (Kaunas).* 2005;41(4):305-12. Available from: PubMed; PMID 15864003

## **Epidemiology: Impact of Race/Ethnicity**

Alcoser SY, Hara M, Bell GI, Ehrmann DA. Association of the (AU)AT-rich element polymorphism in PPP1R3 with

- hormonal and metabolic features of polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2004 Jun;89(6):2973-6. Available from: PubMed; PMID 15181086
- Al-Fozan H, Al-Futaisi A, Morris D, Tulandi T. Insulin responses to the oral glucose tolerance test in women of different ethnicity with polycystic ovary syndrome. *J Obstet Gynaecol Can.* 2005 Jan;27(1):33-7. Available from: PubMed; PMID 15937580
- Aradhana R, Rajashekhar G, Roy AC, Annapoorna V, Dramusic V, Choolani M, Wong PC. Estrogen receptor alpha gene PvuII polymorphism and polycystic ovary syndrome. *Ann Acad Med Singapore.* 2004 Sep;33(5 Suppl):S89-90. Available from: PubMed; PMID 15651230
- Azziz R, Woods KS, Reyna R, Key TJ, Knochenhauer ES, Yildiz BO. The prevalence and features of the polycystic ovary syndrome in an unselected population. *J Clin Endocrinol Metab.* 2004 Jun;89(6):2745-9. Available from: PubMed; PMID 15181052
- Azziz R, Dumesic DA, Goodarzi MO. Polycystic ovary syndrome: an ancient disorder? *Fertil Steril.* 2011 Apr;95(5):1544-8. Available from: PubMed; PMID 20979996
- Baba T, Endo T, Sata F, Honma H, Kitajima Y, Hayashi T, Manase K, Kanaya M, Yamada H, Minakami H, Kishi R, Saito T. Polycystic ovary syndrome is associated with genetic polymorphism in the insulin signaling gene IRS-1 but not ENPP1 in a Japanese population. *Life Sci.* 2007 Aug 16;81(10):850-4. Available from: PubMed; PMID 17719609
- Baba T, Endo T, Sata F, Nagasawa K, Honma H, Kitajima Y, Hayashi T, Manase K, Kanaya M, Moriwaka O, Kamiya H, Yamada H, Minakami H, Kishi R, Saito T. The contributions of resistin and adiponectin gene single nucleotide polymorphisms to the genetic risk for polycystic ovary syndrome in a Japanese population. *Gynecol Endocrinol.* 2009 Aug;25(8):498-503. Available from: PubMed; PMID 19544118
- Balen A, Michelmore K. What is polycystic ovary syndrome? Are national views important? *Hum Reprod.* 2002 Sep;17(9):2219-27. Available from: PubMed; PMID 12202405
- Bidzinska-Speichert B, Lenarcik A, Tworowska-Bardzinska U, Slezak R, Bednarek-Tupikowska G, Milewicz A, Krepula K. Pro12Ala PPAR gamma2 gene polymorphism in women with polycystic ovary syndrome. *Ginekol Pol.* 2011 Jun;82(6):426-9. Available from: PubMed; PMID 21853931
- Boyle JA, Cunningham J, O'Dea K, Dunbar T, Norman RJ. Prevalence of polycystic ovary syndrome in a sample of Indigenous women in Darwin, Australia. *Med J Aust.* 2012 Jan 16;196(1):62-6. Available from: PubMed; PMID 22256938
- Carroll J, Saxena R, Welt CK. Environmental and genetic factors influence age at menarche in women with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2012;25(5-6):459-66. Available from: PubMed; PMID 22876539
- Chae SJ, Kim JJ, Choi YM, Hwang KR, Jee BC, Ku SY, Suh CS, Kim SH, Kim JG, Moon SY. Clinical and biochemical characteristics of polycystic ovary syndrome in Korean women. *Hum Reprod.* 2008 Aug;23(8):1924-31. Available from: PubMed; PMID 18579512
- Chae SJ, Kim JJ, Choi YM, Kim JM, Cho YM, Moon SY. Peroxisome proliferator-activated receptor-gamma and its coactivator-1alpha gene polymorphisms in Korean women with polycystic ovary syndrome. *Gynecol Obstet Invest.* 2010;70(1):1-7. Available from: PubMed; PMID 20130411
- Chan CC, Koo MW, Ng EH, Tang OS, Yeung WS, Ho PC. Effects of Chinese green tea on weight, and hormonal and biochemical profiles in obese patients with polycystic ovary syndrome--a randomized placebo-controlled trial. *J Soc Gynecol Investig.* 2006 Jan;13(1):63-8. Available from: PubMed; PMID 16378915
- Chan CC, Ng EH, Tang OS, Lee CP, Ho PC. The prevalence of polycystic ovaries in Chinese women with a history of gestational diabetes mellitus. *Gynecol Endocrinol.* 2006 Sep;22(9):516-20. Available from: PubMed; PMID 17071537
- Chan LY, Lau TK, Fung TM, Chow KM. Re: Effects of rosiglitazone on hormonal profile and ovulatory function in Chinese women with polycystic ovary syndrome. *Aust N Z J Obstet Gynaecol.* 2006 Apr;46(2):170-1. Available from: PubMed; PMID 16638044
- Chandrasekar R, Kiran U, Weerakkody AN. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG.* 2007 Mar;114(3):375-6; author reply 6. Available from: PubMed; PMID 17313391
- Charnvises K, Weerakiet S, Tingthanatikul Y, Wansumrith S, Chanprasertyothin S, Rojanasakul A. Acanthosis nigricans: clinical predictor of abnormal glucose tolerance in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2005 Sep;21(3):161-4. Available from: PubMed; PMID 16335908
- Chen X, Yang D, Li L, Feng S, Wang L. Abnormal glucose tolerance in Chinese women with polycystic ovary syndrome. *Hum Reprod.* 2006 Aug;21(8):2027-32. Available from: PubMed; PMID 16684838
- Chen Y, Li L, Chen X, Zhang Q, Wang W, Li Y, Yang D. Ovarian volume and follicle number in the diagnosis of polycystic ovary syndrome in Chinese women. *Ultrasound Obstet Gynecol.* 2008 Oct;32(5):700-3. Available from: PubMed; PMID 18773451



- Chen Y, Yang D, Li L, Chen X. The role of ovarian volume as a diagnostic criterion for Chinese adolescents with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2008 Dec;21(6):347-50. Available from: PubMed; PMID 19064229
- Chen X, Ni R, Mo Y, Li L, Yang D. Appropriate BMI levels for PCOS patients in Southern China. *Hum Reprod*. 2010 May;25(5):1295-302. Available from: PubMed; PMID 20172872
- Chen ZJ, Zhao H, He L, Shi Y, Qin Y, Shi Y, Li Z, You L, Zhao J, Liu J, Liang X, Zhao X, Zhao J, Sun Y, Zhang B, Jiang H, Zhao D, Bian Y, Gao X, Geng L, Li Y, Zhu D, Sun X, Xu JE, Hao C, Ren CE, Zhang Y, Chen S, Zhang W, Yang A, Yan J, Li Y, Ma J, Zhao Y. Genome-wide association study identifies susceptibility loci for polycystic ovary syndrome on chromosome 2p16.3, 2p21 and 9q33.3. *Nat Genet*. 2011 Jan;43(1):55-9. Available from: PubMed; PMID 21151128
- Cheung LP, Ma RC, Lam PM, Lok IH, Haines CJ, So WY, Tong PC, Cockram CS, Chow CC, Goggins WB. Cardiovascular risks and metabolic syndrome in Hong Kong Chinese women with polycystic ovary syndrome. *Hum Reprod*. 2008 Jun;23(6):1431-8. Available from: PubMed; PMID 18359783
- Coney P, Ladson G, Sweet S, Legro RS. Does polycystic ovary syndrome increase the disparity in metabolic syndrome and cardiovascular-related health for African-American women? *Semin Reprod Med*. 2008 Jan;26(1):35-8. Available from: PubMed; PMID 18181080
- Dasgupta S, Sirisha P, Neelaveni K, Anuradha K, Sudhakar G, Reddy BM. Polymorphisms in the IRS-1 and PPAR-gamma genes and their association with polycystic ovary syndrome among South Indian women. *Gene*. 2012 Jul 15;503(1):140-6. Available from: PubMed; PMID 22575725
- de Zegher F, Ibanez L. Early Origins of polycystic ovary syndrome: hypotheses may change without notice. *J Clin Endocrinol Metab*. 2009 Oct;94(10):3682-5. Available from: PubMed; PMID 19808859
- Dong Z, Chen X, Li L, Huang J, Yin Q, Yang D. Free testosterone level correlated with the metabolic abnormalities dependent on central obesity in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2012 Jun;120(6):355-60. Available from: PubMed; PMID 22576257
- Driscoll DA. Polycystic ovary syndrome in adolescence. *Semin Reprod Med*. 2003 Aug;21(3):301-7. Available from: PubMed; PMID 14593553
- Du J, Zhang W, Guo L, Zhang Z, Shi H, Wang J, Zhang H, Gao L, Feng G, He L. Two FSHR variants, haplotypes and meta-analysis in Chinese women with premature ovarian failure and polycystic ovary syndrome. *Mol Genet Metab*. 2010 Jul;100(3):292-5. Available from: PubMed; PMID 20399696
- Ehrmann DA, Schwarz PE, Hara M, Tang X, Horikawa Y, Imperial J, Bell GI, Cox NJ. Relationship of calpain-10 genotype to phenotypic features of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Apr;87(4):1669-73. Available from: PubMed; PMID 11932299
- Eriksen MB, Brusgaard K, Andersen M, Tan Q, Altinok ML, Gaster M, Glintborg D. Association of polycystic ovary syndrome susceptibility single nucleotide polymorphism rs2479106 and PCOS in Caucasian patients with PCOS or hirsutism as referral diagnosis. *Eur J Obstet Gynecol Reprod Biol*. 2012 Jul;163(1):39-42. Available from: PubMed; PMID 22504079
- Fan P, Liu HW, Wang XS, Zhang F, Song Q, Li Q, Wu HM, Bai H. Identification of the G994T polymorphism in exon 9 of plasma platelet-activating factor acetylhydrolase gene as a risk factor for polycystic ovary syndrome. *Hum Reprod*. 2010 May;25(5):1288-94. Available from: PubMed; PMID 20185515
- Gambineri A, Repaci A, Patton L, Grassi I, Pocognoli P, Cognigni GE, Pasqui F, Pagotto U, Pasquali R. Prominent role of low HDL-cholesterol in explaining the high prevalence of the metabolic syndrome in polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis*. 2009 Dec;19(11):797-804. Available from: PubMed; PMID 19359152
- Gambineri A, Tomassoni F, Munarini A, Stimson RH, Mioni R, Pagotto U, Chapman KE, Andrew R, Mantovani V, Pasquali R, Walker BR. A combination of polymorphisms in HSD11B1 associates with in vivo 11 {beta}-HSD1 activity and metabolic syndrome in women with and without polycystic ovary syndrome. *Eur J Endocrinol*. 2011 Aug;165(2):283-92. Available from: PubMed; PMID 21622477
- Glintborg D, Henriksen JE, Andersen M, Hagen C, Hangaard J, Rasmussen PE, Schousboe K, Hermann AP. Prevalence of endocrine diseases and abnormal glucose tolerance tests in 340 Caucasian premenopausal women with hirsutism as the referral diagnosis. *Fertil Steril*. 2004 Dec;82(6):1570-9. Available from: PubMed; PMID 15589862
- Glintborg D, Hermann AP, Brusgaard K, Hangaard J, Hagen C, Andersen M. Significantly higher adrenocorticotropin-stimulated cortisol and 17-hydroxyprogesterone levels in 337 consecutive, premenopausal, caucasian, hirsute patients compared with healthy controls. *J Clin Endocrinol Metab*. 2005 Mar;90(3):1347-53. Available from: PubMed; PMID 15598692
- Glintborg D, Mumm H, Hougaard D, Ravn P, Andersen M. Ethnic differences in Rotterdam criteria and metabolic risk factors in a multiethnic group of women with PCOS studied in Denmark. *Clin Endocrinol (Oxf)*. 2010

Dec;73(6):732-8. Available from: PubMed; PMID 20846294

Glintborg D, Mumm H, Hougaard DM, Ravn P, Andersen M. Smoking is associated with increased adrenal responsiveness, decreased prolactin levels and a more adverse lipid profile in 650 white patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Mar;28(3):170-4. Available from: PubMed; PMID 21770838

Glintborg D, Mumm H, Ravn P, Andersen M. Age associated differences in prevalence of individual rotterdam criteria and metabolic risk factors during reproductive age in 446 caucasian women with polycystic ovary syndrome. *Horm Metab Res*. 2012 Sep;44(9):694-8. Available from: PubMed; PMID 22382934

Glueck CJ, Dharashivkar S, Wang P, Zhu B, Gartside PS, Tracy T, Sieve L. Obesity and extreme obesity, manifest by ages 20-24 years, continuing through 32-41 years in women, should alert physicians to the diagnostic likelihood of polycystic ovary syndrome as a reversible underlying endocrinopathy. *Eur J Obstet Gynecol Reprod Biol*. 2005 Oct 1;122(2):206-12. Available from: PubMed; PMID 16219521

Gokcel A, Bagis T, Zeyneloglu HB. Polycystic ovarian syndrome and insulin resistance in white and Mexican American women. *Am J Obstet Gynecol*. 2003 Jun;188(6):1661; author reply -2. Available from: PubMed; PMID 12825010

Goodarzi MO, Quinones MJ, Azziz R, Rotter JI, Hsueh WA, Yang H. Polycystic ovary syndrome in Mexican-Americans: prevalence and association with the severity of insulin resistance. *Fertil Steril*. 2005 Sep;84(3):766-9. Available from: PubMed; PMID 16169421

Goodarzi MO, Antoine HJ, Pall M, Cui J, Guo X, Azziz R. Preliminary evidence of glycogen synthase kinase 3 beta as a genetic determinant of polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1473-6. Available from: PubMed; PMID 17270183

Goodarzi MO, Jones MR, Li X, Chua AK, Garcia OA, Chen YD, Krauss RM, Rotter JI, Ankener W, Legro RS, Azziz R, Strauss JF, 3rd, Dunaif A, Urbanek M. Replication of association of DENND1A and THADA variants with polycystic ovary syndrome in European cohorts. *J Med Genet*. 2012 Feb;49(2):90-5. Available from: PubMed; PMID 22180642

Graves BW. The obesity epidemic: scope of the problem and management strategies. *J Midwifery Womens Health*. 2010 Nov-Dec;55(6):568-78. Available from: PubMed; PMID 20974419

Gu BH, Park JM, Baek KH. Genetic variations of follicle stimulating hormone receptor are associated with polycystic ovary syndrome. *Int J Mol Med*. 2010

Jul;26(1):107-12. Available from: PubMed; PMID 20514429

Guo M, Chen ZJ, Macklon NS, Shi YH, Westerveld HE, Eijkemans MJ, Fauser BC, Goverde AJ. Cardiovascular and metabolic characteristics of infertile Chinese women with PCOS diagnosed according to the Rotterdam consensus criteria. *Reprod Biomed Online*. 2010 Oct;21(4):572-80. Available from: PubMed; PMID 20800551

Guo M, Chen ZJ, Eijkemans MJ, Goverde AJ, Fauser BC, Macklon NS. Comparison of the phenotype of Chinese versus Dutch Caucasian women presenting with polycystic ovary syndrome and oligo/amenorrhoea. *Hum Reprod*. 2012 May;27(5):1481-8. Available from: PubMed; PMID 22402209

Hao CF, Bao HC, Zhang N, Gu HF, Chen ZJ. Evaluation of association between the CYP11alpha promoter pentanucleotide (TTTTA)<sub>n</sub> polymorphism and polycystic ovarian syndrome among Han Chinese women. *Neuro Endocrinol Lett*. 2009 Mar;30(1):56-60. Available from: PubMed; PMID 19300392

Hao CF, Zhang N, Qu Q, Wang X, Gu HF, Chen ZJ. Evaluation of the association between the CYP19 Tetranucleotide (TTTA)<sub>n</sub> polymorphism and polycystic ovarian syndrome(PCOS) in Han Chinese women. *Neuro Endocrinol Lett*. 2010;31(3):370-4. Available from: PubMed; PMID 20588246

Hara M, Alcoser SY, Qaadir A, Beiswenger KK, Cox NJ, Ehrmann DA. Insulin resistance is attenuated in women with polycystic ovary syndrome with the Pro(12)Ala polymorphism in the PPARgamma gene. *J Clin Endocrinol Metab*. 2002 Feb;87(2):772-5. Available from: PubMed; PMID 11836319

Harris YS, McDonald SB. An African American female with irregular menses and weight gain. *Pediatr Nurs*. 2006 Jul-Aug;32(4):354-7. Available from: PubMed; PMID 16927729

Hassa H, Tanir HM, Yildirim A, Senses T, Eskalen M, Mutlu FS. The hirsutism scoring system should be population specific. *Fertil Steril*. 2005 Sep;84(3):778-80. Available from: PubMed; PMID 16169424

Heinonen S, Korhonen S, Helisalmi S, Koivunen R, Tapanainen J, Hippelainen M, Laakso M. Associations between two single nucleotide polymorphisms in the adiponectin gene and polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 Sep;21(3):165-9. Available from: PubMed; PMID 16335909

Hong Y, Yang D, Liu W, Zhao X, Chen X, Li L. Dyslipidemia in relation to body mass index and insulin resistance in Chinese women with polycystic ovary syndrome. *J Biol Regul Homeost Agents*. 2011 Jul-Sep;25(3):365-74. Available from: PubMed; PMID 22023761

Hong Y, Zhao XM, Huang LL, Li L, Chen XL, Yang DZ. Serum visfatin is elevated in Chinese women with polycystic ovary syndrome, but might not be a reliable predictor of their glucose intolerance. *J Biol Regul Homeost Agents*. 2012 Apr-Jun;26(2):221-9. Available from: PubMed; PMID 22824749

Hsu MI, Liou TH, Chou SY, Chang CY, Hsu CS. Diagnostic criteria for polycystic ovary syndrome in Taiwanese Chinese women: comparison between Rotterdam 2003 and NIH 1990. *Fertil Steril*. 2007 Sep;88(3):727-9. Available from: PubMed; PMID 17706215

Huddleston HG, Cedars MI, Sohn SH, Giudice LC, Fujimoto VY. Racial and ethnic disparities in reproductive endocrinology and infertility. *Am J Obstet Gynecol*. 2010 May;202(5):413-9. Available from: PubMed; PMID 20207341

Iwasa T, Matsuzaki T, Minakuchi M, Tanaka N, Shimizu F, Hirata Y, Kuwahara A, Yasui T, Maegawa M, Irahara M. Diagnostic performance of serum total testosterone for Japanese patients with polycystic ovary syndrome. *Endocr J*. 2007 Apr;54(2):233-8. Available from: PubMed; PMID 17283381

Jayagopal V, Kilpatrick ES, Holding S, Jennings PE, Atkin SL. Orlistat is as beneficial as metformin in the treatment of polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2005 Feb;90(2):729-33. Available from: PubMed; PMID 15536162

Jin L, Zhu XM, Luo Q, Qian Y, Jin F, Huang HF. A novel SNP at exon 17 of INSR is associated with decreased insulin sensitivity in Chinese women with PCOS. *Mol Hum Reprod*. 2006 Mar;12(3):151-5. Available from: PubMed; PMID 16510536

Jin JL, Sun J, Ge HJ, Cao YX, Wu XK, Liang FJ, Sun HX, Ke L, Yi L, Wu ZW, Wang Y. Association between CYP19 gene SNP rs2414096 polymorphism and polycystic ovary syndrome in Chinese women. *BMC Med Genet*. 2009;10:139. Available from: PubMed; PMID 20015405

Jones GL, Benes K, Clark TL, Denham R, Holder MG, Haynes TJ, Mulgrew NC, Shepherd KE, Wilkinson VH, Singh M, Balen A, Lashen H, Ledger WL. The Polycystic Ovary Syndrome Health-Related Quality of Life Questionnaire (PCOSQ): a validation. *Hum Reprod*. 2004 Feb;19(2):371-7. Available from: PubMed; PMID 14747184

Jones MR, Wilson SG, Mullin BH, Mead R, Watts GF, Stuckey BG. Polymorphism of the follistatin gene in polycystic ovary syndrome. *Mol Hum Reprod*. 2007 Apr;13(4):237-41. Available from: PubMed; PMID 17284512

Jones MR, Mathur R, Cui J, Guo X, Azziz R, Goodarzi MO. Independent confirmation of association between

metabolic phenotypes of polycystic ovary syndrome and variation in the type 6 17beta-hydroxysteroid dehydrogenase gene. *J Clin Endocrinol Metab*. 2009 Dec;94(12):5034-8. Available from: PubMed; PMID 19837928

Jones GL, Palep-Singh M, Ledger WL, Balen AH, Jenkinson C, Campbell MJ, Lashen H. Do South Asian women with PCOS have poorer health-related quality of life than Caucasian women with PCOS? A comparative cross-sectional study. *Health Qual Life Outcomes*. 2010;8:149. Available from: PubMed; PMID 21171983

Jongwutiwes T, Lertvikool S, Leelaphiwat S, Rattanasiri S, Jultanas R, Weerakiet S. Serum visfatin in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Aug;25(8):536-42. Available from: PubMed; PMID 19533482

Kaibe M, Takakuwa K, Murakawa H, Ishii K, Tamura M, Tanaka K. Studies on the human leukocyte antigens in patients with polycystic ovary syndrome in a Japanese population--possible susceptibility of HLA-A11 and -DRB1\*0403 to patient population with polycystic ovary syndrome. *Am J Reprod Immunol*. 2006 Apr;55(4):301-6. Available from: PubMed; PMID 16533342

Kauffman RP, Baker VM, Dimarino P, Gimpel T, Castracane VD. Polycystic ovarian syndrome and insulin resistance in white and Mexican American women: a comparison of two distinct populations. *Am J Obstet Gynecol*. 2002 Nov;187(5):1362-9. Available from: PubMed; PMID 12439532

Kauffman RP, Baker VM, DiMarino P, Castracane VD. Hyperinsulinemia and circulating dehydroepiandrosterone sulfate in white and Mexican American women with polycystic ovary syndrome. *Fertil Steril*. 2006 Apr;85(4):1010-6. Available from: PubMed; PMID 16580388

Kauffman RP, Baker TE, Graves-Evenson K, Baker VM, Castracane VD. Lipoprotein profiles in Mexican American and non-Hispanic white women with polycystic ovary syndrome. *Fertil Steril*. 2011 Dec;96(6):1503-7. Available from: PubMed; PMID 21982731

Kaushal R, Parchure N, Bano G, Kaski JC, Nussey SS. Insulin resistance and endothelial dysfunction in the brothers of Indian subcontinent Asian women with polycystic ovaries. *Clin Endocrinol (Oxf)*. 2004 Mar;60(3):322-8. Available from: PubMed; PMID 15008997

Kawai T, Ng MC, Hayes MG, Yoshiuchi I, Tsuchiya T, Robertson H, Cox NJ, Polonsky KS, Bell GI, Ehrmann DA. Variation in the perilipin gene (PLIN) affects glucose and lipid metabolism in non-Hispanic white women with and without polycystic ovary syndrome. *Diabetes Res Clin Pract*. 2009 Dec;86(3):186-92. Available from: PubMed; PMID 19782423

- Kawamura S, Maesawa C, Nakamura K, Nakayama K, Morita M, Hiruma Y, Yoshida T, Sakai A, Masuda T. Predisposition for borderline personality disorder with comorbid major depression is associated with that for polycystic ovary syndrome in female Japanese population. *Neuropsychiatr Dis Treat*. 2011;7:655-62. Available from: PubMed; PMID 22090801
- Ke L, Che YN, Cao YX, Wu XK, Hu YL, Sun HX, Liang FJ, Sun J, Yi L, Wang Y. Polymorphisms of the HSD17B6 and HSD17B5 genes in Chinese women with polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2010 Dec;19(12):2227-32. Available from: PubMed; PMID 21039282
- Kim JJ, Hwang KR, Shin S, Yoon JH, Kim BJ, Choi YM, Roh EY. Association of polycystic ovarian syndrome with human leukocyte antigen polymorphism in Korean women. *APMIS*. 2011 Sep;119(9):618-25. Available from: PubMed; PMID 21851420
- Kim JW, Lee MH, Park JE, Yoon TK, Lee WS, Shim SH. Association of IL-18 genotype with impaired glucose regulation in Korean women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2012 Mar;161(1):51-5. Available from: PubMed; PMID 22226490
- Kimura F, Takebayashi K, Fujiwara M, Akiyama M, Takahashi K, Noda Y. Mutational analysis of the follistatin-related gene in women with premature ovarian failure and polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2006;85(7):885-6. Available from: PubMed; PMID 16817091
- Klenke S, Tan S, Hahn S, Mann K, Hauner H, Manthey I, Peters J, Siffert W, Frey UH. A functional GNAQ promoter haplotype is associated with altered Gq expression and with insulin resistance and obesity in women with polycystic ovary syndrome. *Pharmacogenet Genomics*. 2010 Aug;20(8):476-84. Available from: PubMed; PMID 20562673
- Kolbus A, Walch K, Szabo L, Huber JC, Nagele F, Unfried G. A polymorphism of the interleukin 1 receptor antagonist is not associated with polycystic ovary syndrome in Caucasian women. *Fertil Steril*. 2006 Feb;85(2):523-5. Available from: PubMed; PMID 16595248
- Kosus N, Kosus A, Turhan NO, Kamalak Z. Do threshold values of ovarian volume and follicle number for diagnosing polycystic ovarian syndrome in Turkish women differ from western countries? *Eur J Obstet Gynecol Reprod Biol*. 2011 Feb;154(2):177-81. Available from: PubMed; PMID 21051133
- Koval KW, Setji TL, Reyes E, Brown AJ. Higher high-density lipoprotein cholesterol in African-American women with polycystic ovary syndrome compared with Caucasian counterparts. *J Clin Endocrinol Metab*. 2010 Sep;95(9):E49-53. Available from: PubMed; PMID 20534766
- Kuek S, Wang WJ, Gui SQ. Efficacy of Chinese patent medicine Tian Gui Capsule in patients with polycystic ovary syndrome: a randomized controlled trial. *Zhong Xi Yi Jie He Xue Bao*. 2011 Sep;9(9):965-72. Available from: PubMed; PMID 21906521
- Kumar A, Woods KS, Bartolucci AA, Azziz R. Prevalence of adrenal androgen excess in patients with the polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2005 Jun;62(6):644-9. Available from: PubMed; PMID 15943823
- Kumarapeli V, Seneviratne Rde A, Wijeyaratne C. Health-related quality of life and psychological distress in polycystic ovary syndrome: a hidden facet in South Asian women. *BJOG*. 2011 Feb;118(3):319-28. Available from: PubMed; PMID 21134104
- Kurabayashi T, Yahata T, Quan J, Tanaka K. Association of polymorphisms in the beta2 and beta3 adrenoceptor gene with polycystic ovary syndrome. *J Reprod Med*. 2006 May;51(5):389-93. Available from: PubMed; PMID 16779985
- Kurioka H, Takahashi K, Miyazaki K. Glucose intolerance in Japanese patients with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2007 Mar;275(3):169-73. Available from: PubMed; PMID 16972071
- Ladson G, Dodson WC, Sweet SD, Archibong AE, Kunselman AR, Demers LM, Williams NI, Coney P, Legro RS. Racial influence on the polycystic ovary syndrome phenotype: a black and white case-control study. *Fertil Steril*. 2011 Jul;96(1):224-9 e2. Available from: PubMed; PMID 21723443
- Lam PM, Ma RC, Cheung LP, Chow CC, Chan JC, Haines CJ. Polycystic ovarian syndrome in Hong Kong Chinese women: patient characteristics and diagnostic criteria. *Hong Kong Med J*. 2005 Oct;11(5):336-41. Available from: PubMed; PMID 16219952
- Lam P, Raine-Fenning N, Cheung L, Haines C. Three-dimensional ultrasound features of the polycystic ovary in Chinese women. *Ultrasound Obstet Gynecol*. 2009 Aug;34(2):196-200. Available from: PubMed; PMID 19644950
- Lam PM, Tam WH, Cheung LP. Higher metabolic risk in Chinese women fulfilling the NIH diagnostic criteria for polycystic ovarian syndrome. *Fertil Steril*. 2009 Apr;91(4 Suppl):1493-5. Available from: PubMed; PMID 18851848
- Lam PM, Tam WH, Ma RC, Cheung LP, Tsui MH, Tong PC, Chow FC, Lam CW, Chan MH, Chan JC, Haines CJ. The reproductive and metabolic effect of rosiglitazone on Chinese women with polycystic ovarian syndrome--a double-blind randomized placebo-controlled study. *Fertil Steril*. 2011 Aug;96(2):445-51 e1. Available from: PubMed; PMID 21722894

- Lamb JD, Johnstone EB, Rousseau JA, Jones CL, Pasch LA, Cedars MI, Huddleston HG. Physical activity in women with polycystic ovary syndrome: prevalence, predictors, and positive health associations. *Am J Obstet Gynecol*. 2011 Apr;204(4):352 e1-6. Available from: PubMed; PMID 21288501
- Lee EJ, Yoo KJ, Kim SJ, Lee SH, Cha KY, Baek KH. Single nucleotide polymorphism in exon 17 of the insulin receptor gene is not associated with polycystic ovary syndrome in a Korean population. *Fertil Steril*. 2006 Aug;86(2):380-4. Available from: PubMed; PMID 16806206
- Lee EJ, Oh B, Lee JY, Kimm K, Lee SH, Baek KH. A novel single nucleotide polymorphism of INSR gene for polycystic ovary syndrome. *Fertil Steril*. 2008 May;89(5):1213-20. Available from: PubMed; PMID 17658524
- Lee EJ, Oh B, Lee JY, Kimm K, Park JM, Baek KH. Association study between single nucleotide polymorphisms in the VEGF gene and polycystic ovary syndrome. *Fertil Steril*. 2008 Jun;89(6):1751-9. Available from: PubMed; PMID 17953946
- Lee H, Oh JY, Sung YA, Chung H, Cho WY. The prevalence and risk factors for glucose intolerance in young Korean women with polycystic ovary syndrome. *Endocrine*. 2009 Oct;36(2):326-32. Available from: PubMed; PMID 19688613
- Lee JY, Lee WJ, Hur SE, Lee CM, Sung YA, Chung HW. 111/121 diplotype of Calpain-10 is associated with the risk of polycystic ovary syndrome in Korean women. *Fertil Steril*. 2009 Aug;92(2):830-3. Available from: PubMed; PMID 18701098
- Legro RS, Myers ER, Barnhart HX, Carson SA, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, McGovern PG, Cataldo NA, Steinkampf MP, Nestler JE, Gosman G, Guidice LC, Leppert PC. The Pregnancy in Polycystic Ovary Syndrome study: baseline characteristics of the randomized cohort including racial effects. *Fertil Steril*. 2006 Oct;86(4):914-33. Available from: PubMed; PMID 16963034
- Lerchbaum E, Trummer O, Giuliani A, Gruber HJ, Pieber TR, Obermayer-Pietsch B. Susceptibility loci for polycystic ovary syndrome on chromosome 2p16.3, 2p21, and 9q33.3 in a cohort of Caucasian women. *Horm Metab Res*. 2011 Oct;43(11):743-7. Available from: PubMed; PMID 22009367
- Li L, Chen X, Mo Y, Chen Y, Wenig M, Yang D. Elevated serum anti-mullerian hormone in adolescent and young adult Chinese patients with polycystic ovary syndrome. *Wien Klin Wochenschr*. 2010 Sep;122(17-18):519-24. Available from: PubMed; PMID 20809108
- Li C, Qiao B, Zhan Y, Qi W, Chen ZJ. First evidence of genetic association between the MIF-173G/C single-nucleotide polymorphisms and polycystic ovary syndrome. *Am J Reprod Immunol*. 2011 Nov;66(5):416-22. Available from: PubMed; PMID 21623990
- Li C, Shi Y, You L, Wang L, Chen ZJ. Melatonin receptor 1A gene polymorphism associated with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2011;72(2):130-4. Available from: PubMed; PMID 21474908
- Li C, Shi Y, You L, Wang L, Chen ZJ. Association of rs10830963 and rs10830962 SNPs in the melatonin receptor (MTNR1B) gene among Han Chinese women with polycystic ovary syndrome. *Mol Hum Reprod*. 2011 Mar;17(3):193-8. Available from: PubMed; PMID 20959387
- Li L, Chen X, He Z, Zhao X, Huang L, Yang D. Clinical and Metabolic Features of Polycystic Ovary Syndrome among Chinese Adolescents. *J Pediatr Adolesc Gynecol*. 2012 Oct 19. Available from: PubMed; PMID 23089573
- Li T, Zhao H, Zhao X, Zhang B, Cui L, Shi Y, Li G, Wang P, Chen ZJ. Identification of YAP1 as a novel susceptibility gene for polycystic ovary syndrome. *J Med Genet*. 2012 Apr;49(4):254-7. Available from: PubMed; PMID 22499345
- Li W, Li Q. Dysregulation of glucose metabolism even in Chinese PCOS women with normal glucose tolerance. *Endocr J*. 2012 Sep 30;59(9):765-70. Available from: PubMed; PMID 22673295
- Li W, Ma L, Li Q. Insulin resistance but not impaired beta-cell function: a key feature in Chinese normal-weight PCOS women with normal glucose regulation. *Gynecol Endocrinol*. 2012 Aug;28(8):598-601. Available from: PubMed; PMID 22309514
- Liu Q, Gu W, Cui B, Hong J, Zhang Y, Chi Z, Su Y, Ning G. The association of TAAAA repeat polymorphism in sex hormone-binding protein gene with polycystic ovary syndrome in Chinese population. *Endocrine*. 2008 Aug-Dec;34(1-3):62-7. Available from: PubMed; PMID 18937076
- Liu Q, Hong J, Cui B, Zhang Y, Gu W, Chi Z, Su Y, Ning G. Androgen receptor gene CAG(n) trinucleotide repeats polymorphism in Chinese women with polycystic ovary syndrome. *Endocrine*. 2008 Apr;33(2):165-70. Available from: PubMed; PMID 18483883
- Liu X, Li L, Chen ZJ, Lu Z, Shi Y, Zhao Y. Genetic variants of cyclin-dependent kinase 5 regulatory subunit associated protein 1-like 1 and transcription factor 7-like 2 are not associated with polycystic ovary syndrome in Chinese women. *Gynecol Endocrinol*. 2010 Feb;26(2):129-34. Available from: PubMed; PMID 19718565
- Liu J, Wang B, Wei Z, Zhou P, Zu Y, Zhou S, Wen Q, Wang J, Cao Y, Ma X. Mutational analysis of human bone morphogenetic protein 15 in Chinese women with polycystic ovary syndrome. *Metabolism*. 2011

Nov;60(11):1511-4. Available from: PubMed; PMID 22014425

Ma RJ, Zhou J, Fang JQ, Yang DH, Qu F. Combination of acupuncture and chinese medicinal herbs in treating model rats with polycystic ovary syndrome. *Afr J Tradit Complement Altern Med*. 2011;8(4):353-61. Available from: PubMed; PMID 22654211

Marikinti K. Unusual presentation of a woman with polycystic ovaries and complex endometrial pathology. *Reprod Biomed Online*. 2006 Jan;12(1):39-42. Available from: PubMed; PMID 16454932

Moran C, Tena G, Moran S, Ruiz P, Reyna R, Duque X. Prevalence of polycystic ovary syndrome and related disorders in mexican women. *Gynecol Obstet Invest*. 2010;69(4):274-80. Available from: PubMed; PMID 20110726

Ng EH, Chan CC, Ho PC. Are there differences in ultrasound parameters between Chinese women with polycystic ovaries only and with polycystic ovary syndrome? *Eur J Obstet Gynecol Reprod Biol*. 2006 Mar 1;125(1):92-8. Available from: PubMed; PMID 16140452

Ni RM, Mo Y, Chen X, Zhong J, Liu W, Yang D. Low prevalence of the metabolic syndrome but high occurrence of various metabolic disorders in Chinese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Sep;161(3):411-8. Available from: PubMed; PMID 19542239

Nur MM, Newman IM, Siqueira LM. Glucose metabolism in overweight Hispanic adolescents with and without polycystic ovary syndrome. *Pediatrics*. 2009 Sep;124(3):e496-502. Available from: PubMed; PMID 19706563

Oh JY, Sung YA, Lee HJ, Oh JY, Chung HW, Park H. Optimal waist circumference for prediction of metabolic syndrome in young Korean women with polycystic ovary syndrome. *Obesity (Silver Spring)*. 2010 Mar;18(3):593-7. Available from: PubMed; PMID 19763092

Pak SC, Lim SC, Nah SY, Lee J, Hill JA, Bae CS. Role of Korean red ginseng total saponins in rat infertility induced by polycystic ovaries. *Fertil Steril*. 2005 Oct;84 Suppl 2:1139-43. Available from: PubMed; PMID 16210005

Pak SC, Kim SE, Oh DM, Shim KM, Jeong MJ, Lim SC, Nah SY, Park SH, Kang SS, Moon CJ, Kim JC, Kim SH, Bae CS. Effect of Korean red ginseng extract in a steroid-induced polycystic ovary murine model. *Arch Pharm Res*. 2009 Mar;32(3):347-52. Available from: PubMed; PMID 19387577

Palep-Singh M, Picton HM, Vrotsou K, Maruthini D, Balen AH. South Asian women with polycystic ovary syndrome exhibit greater sensitivity to gonadotropin stimulation with reduced fertilization and ongoing pregnancy rates than their Caucasian counterparts. *Eur J Obstet Gynecol Reprod Biol*.

2007 Oct;134(2):202-7. Available from: PubMed; PMID 17367914

Palep-Singh M, Picton HM, Yates ZR, Barth J, Balen AH. Polycystic ovary syndrome and the single nucleotide polymorphisms of methylenetetrahydrofolate reductase: a pilot observational study. *Hum Fertil (Camb)*. 2007 Mar;10(1):33-41. Available from: PubMed; PMID 17454207

Palep-Singh M, Picton HM, Barth JH, Balen AH. Ethnic variations in the distribution of obesity and biochemical metabolic abnormalities in fertility clinic attendees. *J Reprod Med*. 2008 Feb;53(2):117-23. Available from: PubMed; PMID 18357803

Pantasri T, Vutyavanich T, Sreshthaputra O, Srisupundit K, Piromlertamorn W. Metabolic syndrome and insulin resistance in Thai women with polycystic ovary syndrome. *J Med Assoc Thai*. 2010 Apr;93(4):406-12. Available from: PubMed; PMID 20462081

Park HR, Choi Y, Lee HJ, Oh JY, Hong YS, Sung YA. The metabolic syndrome in young Korean women with polycystic ovary syndrome. *Diabetes Res Clin Pract*. 2007 Sep;77 Suppl 1:S243-6. Available from: PubMed; PMID 17610984

Park HR, Choi Y, Lee HJ, Oh JY, Hong YS, Sung YA. Phenotypic characteristics according to insulin sensitivity in non-obese Korean women with polycystic ovary syndrome. *Diabetes Res Clin Pract*. 2007 Sep;77 Suppl 1:S233-7. Available from: PubMed; PMID 17606307

Park JM, Gu BH, Lee EJ, Kim JY, Choi SW, Baek KH. A single nucleotide polymorphism in exon 7 of sorbin and SH3-domain-containing-1 (SORBS1) in Korean PCOS patients. *Mol Med Report*. 2008 Jan-Feb;1(1):93-7. Available from: PubMed; PMID 21479384

Park JM, Lee EJ, Ramakrishna S, Cha DH, Baek KH. Association study for single nucleotide polymorphisms in the CYP17A1 gene and polycystic ovary syndrome. *Int J Mol Med*. 2008 Aug;22(2):249-54. Available from: PubMed; PMID 18636181

Pastore LM, Williams CD, Jenkins J, Patrie JT. True and sham acupuncture produced similar frequency of ovulation and improved LH to FSH ratios in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Oct;96(10):3143-50. Available from: PubMed; PMID 21816787

Peng CY, Long XY, Lu GX. Association of AR rs6152G/A gene polymorphism with susceptibility to polycystic ovary syndrome in Chinese women. *Reprod Fertil Dev*. 2010;22(5):881-5. Available from: PubMed; PMID 20450840

Prabhakar S, Sahota P, Kharbanda PS, Siali R, Jain V, Lal V, Khurana D. Sodium valproate, hyperandrogenism and altered ovarian function in Indian women with epilepsy: a

- prospective study. *Epilepsia*. 2007 Jul;48(7):1371-7. Available from: PubMed; PMID 17441994
- Pucci L, Lucchesi D, Longo V, Del Prato S, Maffei S. Lack of association between CYP21 V281L variant and polycystic ovary syndrome in Italian women. *Gynecol Endocrinol*. 2010 Aug;26(8):596-9. Available from: PubMed; PMID 20201644
- Qiao J, Wang L, Li R, Zhang X. Microarray evaluation of endometrial receptivity in Chinese women with polycystic ovary syndrome. *Reprod Biomed Online*. 2008 Sep;17(3):425-35. Available from: PubMed; PMID 18765015
- Remsberg KE, Talbott EO, Zborowski JV, Evans RW, McHugh-Pemu K. Evidence for competing effects of body mass, hyperinsulinemia, insulin resistance, and androgens on leptin levels among lean, overweight, and obese women with polycystic ovary syndrome. *Fertil Steril*. 2002 Sep;78(3):479-86. Available from: PubMed; PMID 12215321
- Reyes-Munoz E, Castellanos-Barroso G, Ramirez-Eugenio BY, Ortega-Gonzalez C, Parra A, Castillo-Mora A, De la Jara-Diaz JF. The risk of gestational diabetes mellitus among Mexican women with a history of infertility and polycystic ovary syndrome. *Fertil Steril*. 2012 Jun;97(6):1467-71. Available from: PubMed; PMID 22503417
- Sam S, Coviello AD, Sung YA, Legro RS, Dunaif A. Metabolic phenotype in the brothers of women with polycystic ovary syndrome. *Diabetes Care*. 2008 Jun;31(6):1237-41. Available from: PubMed; PMID 18332151
- Schmid J, Kirchengast S, Vytiska-Binstorfer E, Huber J. Psychosocial and sociocultural aspects of infertility--a comparison between Austrian women and immigrant women. *Anthropol Anz*. 2004 Sep;62(3):301-9. Available from: PubMed; PMID 15509089
- Shen Y, Wang L, Zhao Y, You L, Geng L, Gu HF, Chen ZJ. Evaluation of the association between GHR exon 3 polymorphism and polycystic ovary syndrome among Han Chinese women. *Growth Horm IGF Res*. 2011 Oct;21(5):248-51. Available from: PubMed; PMID 21820924
- Shi Y, Guo M, Yan J, Sun W, Zhang X, Geng L, Xu L, Chen Z. Analysis of clinical characteristics in large-scale Chinese women with polycystic ovary syndrome. *Neuro Endocrinol Lett*. 2007 Dec;28(6):807-10. Available from: PubMed; PMID 18063948
- Shi Y, Gao X, Sun X, Zhang P, Chen Z. Clinical and metabolic characteristics of polycystic ovary syndrome without polycystic ovary: a pilot study on Chinese women. *Fertil Steril*. 2008 Oct;90(4):1139-43. Available from: PubMed; PMID 17889857
- Shi Y, Sun X, Chen Z, Zhang P, Zhao Y, You L. Association of the polymorphism of codon 121 in the ectonucleotide pyrophosphatase/phosphodiesterase 1 gene with polycystic ovary syndrome in Chinese women. *Saudi Med J*. 2008 Aug;29(8):1119-23. Available from: PubMed; PMID 18690303
- Song JJ, Yan ME, Wu XK, Hou LH. Progress of integrative Chinese and Western medicine in treating polycystic ovarian syndrome caused infertility. *Chin J Integr Med*. 2006 Dec;12(4):312-6. Available from: PubMed; PMID 17361532
- Strauss JF, 3rd, McAllister JM, Urbanek M. Persistence pays off for PCOS gene prospectors. *J Clin Endocrinol Metab*. 2012 Jul;97(7):2286-8. Available from: PubMed; PMID 22774210
- Sugiura-Ogasawara M, Sato T, Suzumori N, Kitaori T, Kumagai K, Ozaki Y. The polycystic ovary syndrome does not predict further miscarriage in Japanese couples experiencing recurrent miscarriages. *Am J Reprod Immunol*. 2009 Jan;61(1):62-7. Available from: PubMed; PMID 19086993
- Takahashi K, Mutiara S, Kita N, Tsuji S, Noda Y, Miyazaki K. Odd variation of 75 g oral glucose tolerance test results in a Japanese patient with polycystic ovary syndrome: a case report. *Arch Gynecol Obstet*. 2007 May;275(5):405-9. Available from: PubMed; PMID 17103180
- Tan L, Zhu G. Role of the pentanucleotide (tttta)n polymorphisms of Cyp11alpha gene in the pathogenesis of hyperandrogenism in Chinese women with polycystic ovary syndrome. *J Huazhong Univ Sci Technol Med Sci*. 2005;25(2):212-4. Available from: PubMed; PMID 16116976
- Tao T, Wickham EP, 3rd, Fan W, Yang J, Liu W. Distribution of adiponectin multimeric forms in Chinese women with polycystic ovary syndrome and their relation to insulin resistance. *Eur J Endocrinol*. 2010 Sep;163(3):399-406. Available from: PubMed; PMID 20530094
- Tao T, Li S, Zhao A, Mao X, Liu W. Early impaired beta-cell function in Chinese women with polycystic ovary syndrome. *Int J Clin Exp Pathol*. 2012;5(8):777-86. Available from: PubMed; PMID 23071860
- Urbanek M, Nampiaparampil G, D'Souza J, Sefton E, Ackerman C, Legro RS, Dunaif A. The role of genetic variation in the lamin A/C gene in the etiology of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2009 Jul;94(7):2665-9. Available from: PubMed; PMID 19401371
- Villuendas G, Botella-Carretero JI, Roldan B, Sancho J, Escobar-Morreale HF, San Millan JL. Polymorphisms in the insulin receptor substrate-1 (IRS-1) gene and the insulin receptor substrate-2 (IRS-2) gene influence glucose

homeostasis and body mass index in women with polycystic ovary syndrome and non-hyperandrogenic controls. *Hum Reprod.* 2005 Nov;20(11):3184-91. Available from: PubMed; PMID 16037106

Vollmert C, Hahn S, Lamina C, Huth C, Kolz M, Schopfer-Wendels A, Mann K, Bongardt F, Mueller JC, Kronenberg F, Wichmann HE, Herder C, Holle R, Lowel H, Illig T, Janssen OE. Calpain-10 variants and haplotypes are associated with polycystic ovary syndrome in Caucasians. *Am J Physiol Endocrinol Metab.* 2007 Mar;292(3):E836-44. Available from: PubMed; PMID 17106059

Walch K, Grimm C, Huber JC, Nagele F, Kolbus A, Hefler LA. A polymorphism of the plasminogen activator inhibitor-1 gene promoter and the polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2005 Nov 1;123(1):77-81. Available from: PubMed; PMID 16102886

Walch K, Nagele F, Zeillinger R, Vytiska-Binstorfer E, Huber JC, Hefler LA. A polymorphism in the matrix metalloproteinase-1 gene promoter is associated with the presence of polycystic ovary syndrome in Caucasian women. *Fertil Steril.* 2005 May;83(5):1565-7. Available from: PubMed; PMID 15866608

Wang HQ, Takakura K, Takebayashi K, Noda Y. Mutational analysis of the mullerian-inhibiting substance gene and its receptor gene in Japanese women with polycystic ovary syndrome and premature ovarian failure. *Fertil Steril.* 2002 Dec;78(6):1329-30. Available from: PubMed; PMID 12477536

Wang Y, Wu X, Cao Y, Yi L, Chen J. A microsatellite polymorphism (tttta)n in the promoter of the CYP11a gene in Chinese women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86(1):223-6. Available from: PubMed; PMID 16764871

Wang Y, Wu X, Cao Y, Yi L, Fan H, Chen J. Polymorphisms of the peroxisome proliferator-activated receptor-gamma and its coactivator-1alpha genes in Chinese women with polycystic ovary syndrome. *Fertil Steril.* 2006 May;85(5):1536-40. Available from: PubMed; PMID 16600233

Wang B, Wang J, Liu J, Ni F, Yan J, Zhou S, Mu Y, Cao Y, Ma X. Lack of an association between CYP11A1 gene Ile462Val polymorphism and polycystic ovary syndrome in Chinese. *Endocrine.* 2009 Aug;36(1):16-9. Available from: PubMed; PMID 19507064

Wang B, Zhou S, Wang J, Liu J, Ni F, Liu C, Yan J, Mu Y, Cao Y, Ma X. Lack of association between interleukin-1a gene (IL-1a) C (-889) T variant and polycystic ovary syndrome in Chinese women. *Endocrine.* 2009 Apr;35(2):198-203. Available from: PubMed; PMID 19191034

Wang B, Zhou S, Wang J, Liu J, Ni F, Yan J, Mu Y, Cao Y, Ma X. Identification of novel missense mutations of GDF9 in Chinese women with polycystic ovary syndrome.

*Reprod Biomed Online.* 2010 Sep;21(3):344-8. Available from: PubMed; PMID 20705511

Wang Y, Liu H, Fan P, Bai H, Zhang J, Zhang F. Evidence for association between paraoxonase 1 gene polymorphisms and polycystic ovarian syndrome in southwest Chinese women. *Eur J Endocrinol.* 2012 May;166(5):877-85. Available from: PubMed; PMID 22301914

Weerakiet S, Srisombut C, Rojanasakul A, Panburana P, Thakkinstian A, Herabutya Y. Prevalence of gestational diabetes mellitus and pregnancy outcomes in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Sep;19(3):134-40. Available from: PubMed; PMID 15697074

Weerakiet S, Tingthanatikul Y, Sophonsritsuk A, Choktanasiri W, Wansumrith S, Rojanasakul A. Efficacy of metformin on ovulation induction in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Oct;19(4):202-7. Available from: PubMed; PMID 15724803

Weerakiet S, Bunnag P, Phakdeekitcharoen B, Wansumrith S, Chanprasertyothin S, Jultanas R, Thakkinstian A. Prevalence of the metabolic syndrome in Asian women with polycystic ovary syndrome: using the International Diabetes Federation criteria. *Gynecol Endocrinol.* 2007 Mar;23(3):153-60. Available from: PubMed; PMID 17454169

Weerakiet S, Tingthanatikul Y, Boonnag P, Wansumrith S, Rattanasiri S, Leelaphiwat S. Can adiponectin predict abnormal glucose tolerance in Thai women with polycystic ovary syndrome? *J Obstet Gynaecol Res.* 2008 Feb;34(1):55-61. Available from: PubMed; PMID 18226130

Wei HJ, Young R, Kuo IL, Liaw CM, Chiang HS, Yeh CY. Prevalence of insulin resistance and determination of risk factors for glucose intolerance in polycystic ovary syndrome: a cross-sectional study of Chinese infertility patients. *Fertil Steril.* 2009 May;91(5):1864-8. Available from: PubMed; PMID 18565519

Welt CK, Arason G, Gudmundsson JA, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Defining constant versus variable phenotypic features of women with polycystic ovary syndrome using different ethnic groups and populations. *J Clin Endocrinol Metab.* 2006 Nov;91(11):4361-8. Available from: PubMed; PMID 16940441

Welt CK, Styrkarsdottir U, Ehrmann DA, Thorleifsson G, Arason G, Gudmundsson JA, Ober C, Rosenfield RL, Saxena R, Thorsteinsdottir U, Crowley WF, Stefansson K. Variants in DENND1A are associated with polycystic ovary syndrome in women of European ancestry. *J Clin Endocrinol Metab.* 2012 Jul;97(7):E1342-7. Available from: PubMed; PMID 22547425



- Wijeyaratne CN, Balen AH, Barth JH, Belchetz PE. Clinical manifestations and insulin resistance (IR) in polycystic ovary syndrome (PCOS) among South Asians and Caucasians: is there a difference? *Clin Endocrinol (Oxf)*. 2002 Sep;57(3):343-50. Available from: PubMed; PMID 12201826
- Wijeyaratne CN, Nirantharakumar K, Balen AH, Barth JH, Sheriff R, Belchetz PE. Plasma homocysteine in polycystic ovary syndrome: does it correlate with insulin resistance and ethnicity? *Clin Endocrinol (Oxf)*. 2004 May;60(5):560-7. Available from: PubMed; PMID 15104558
- Wijeyaratne CN, Waduge R, Arandara D, Arasalingam A, Sivasuriam A, Dodampahala SH, Balen AH. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG*. 2006 Oct;113(10):1182-7. Available from: PubMed; PMID 16972862
- Wijeyaratne CN, Seneviratne Rde A, Dahanayake S, Kumarapeli V, Palipane E, Kuruppu N, Yapa C, Seneviratne Rde A, Balen AH. Phenotype and metabolic profile of South Asian women with polycystic ovary syndrome (PCOS): results of a large database from a specialist Endocrine Clinic. *Hum Reprod*. 2011 Jan;26(1):202-13. Available from: PubMed; PMID 21098627
- Wongwananuruk T, Indhavivadhana S, Rattanachaiyanont M, Techatraisak K, Leerasing P, Tanmahasamut P, Angsuwathana S, Dangrat C. Characteristics of 250 reproductive-aged polycystic ovary syndrome Thai women at Siriraj Hospital. *J Med Assoc Thai*. 2010 Apr;93(4):399-405. Available from: PubMed; PMID 20462080
- Xian L, He W, Pang F, Hu Y. ADIPOQ gene polymorphisms and susceptibility to polycystic ovary syndrome: a HuGE survey and meta-analysis. *Eur J Obstet Gynecol Reprod Biol*. 2012 Apr;161(2):117-24. Available from: PubMed; PMID 22239938
- Xu Y, Wei Z, Zhang Z, Xing Q, Hu P, Zhang X, Gao G, Wang Y, Gao Q, Yi L, Cao Y. No association of the insulin gene VNTR polymorphism with polycystic ovary syndrome in a Han Chinese population. *Reprod Biol Endocrinol*. 2009;7:141. Available from: PubMed; PMID 19948072
- Xu P, Che Y, Cao Y, Wu X, Sun H, Liang F, Sun J, Ke L, Yi L, Wang Y. Polymorphisms of TCF7L2 and HHEX genes in Chinese women with polycystic ovary syndrome. *J Assist Reprod Genet*. 2010 Jan;27(1):23-8. Available from: PubMed; PMID 20041287
- Xu X, Zhao H, Shi Y, You L, Bian Y, Zhao Y, Chen ZJ. Family association study between INSR gene polymorphisms and PCOS in Han Chinese. *Reprod Biol Endocrinol*. 2011;9:76. Available from: PubMed; PMID 21645371
- Xu X, Shi Y, Cui Y, Ma J, Che L, Chen ZJ. Endocrine and metabolic characteristics of polycystic ovary syndrome in Chinese women with different phenotypes. *Clin Endocrinol (Oxf)*. 2012 Mar;76(3):425-30. Available from: PubMed; PMID 21815904
- Yalamanchi SK, Sam S, Cardenas MO, Holaday LW, Urbanek M, Dunaif A. Association of fibrillin-3 and transcription factor-7-like 2 gene variants with metabolic phenotypes in PCOS. *Obesity (Silver Spring)*. 2012 Jun;20(6):1273-8. Available from: PubMed; PMID 22301903
- Yan Q, Hong J, Gu W, Zhang Y, Liu Q, Su Y, Zhang Y, Li X, Cui B, Ning G. Association of the common rs9939609 variant of FTO gene with polycystic ovary syndrome in Chinese women. *Endocrine*. 2009 Dec;36(3):377-82. Available from: PubMed; PMID 19859840
- Yang Y, Qiao J, Li MZ. Association of polymorphisms of interleukin-18 gene promoter region with polycystic ovary syndrome in Chinese population. *Reprod Biol Endocrinol*. 2010;8:125. Available from: PubMed; PMID 20964873
- Yin Q, Chen X, Li L, Zhou R, Huang J, Yang D. Apolipoprotein B/apolipoprotein A1 ratio is a good predictive marker of metabolic syndrome and pre-metabolic syndrome in Chinese adolescent women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2012 Jun 4. Available from: PubMed; PMID 22672648
- Yoshihara K, Yahata T, Kashima K, Mikami T, Tanaka K. Association of single nucleotide polymorphisms in adiponectin and its receptor genes with polycystic ovary syndrome. *J Reprod Med*. 2009 Nov-Dec;54(11-12):669-74. Available from: PubMed; PMID 20120899
- Yu Ng EH, Ho PC. Polycystic ovary syndrome in Asian women. *Semin Reprod Med*. 2008 Jan;26(1):14-21. Available from: PubMed; PMID 18181078
- Yun JH, Gu BH, Kang YB, Choi BC, Song S, Baek KH. Association between INS-VNTR polymorphism and polycystic ovary syndrome in a Korean population. *Gynecol Endocrinol*. 2012 Jul;28(7):525-8. Available from: PubMed; PMID 22468791
- Zain MM, Jamaluddin R, Ibrahim A, Norman RJ. Comparison of clomiphene citrate, metformin, or the combination of both for first-line ovulation induction, achievement of pregnancy, and live birth in Asian women with polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril*. 2009 Feb;91(2):514-21. Available from: PubMed; PMID 18321486
- Zhang N, Shi YH, Hao CF, Gu HF, Li Y, Zhao YR, Wang LC, Chen ZJ. Association of +45G15G(T/G) and +276(G/T) polymorphisms in the ADIPOQ gene with polycystic ovary syndrome among Han Chinese women. *Eur J Endocrinol*. 2008 Feb;158(2):255-60. Available from: PubMed; PMID 18230834

- Zhang HY, Zhu FF, Xiong J, Shi XB, Fu SX. Characteristics of different phenotypes of polycystic ovary syndrome based on the Rotterdam criteria in a large-scale Chinese population. *BJOG*. 2009 Nov;116(12):1633-9. Available from: PubMed; PMID 19781047
- Zhang J, Li T, Zhou L, Tang L, Xu L, Wu T, Lim DC. Chinese herbal medicine for subfertile women with polycystic ovarian syndrome. *Cochrane Database Syst Rev*. 2010 (9):CD007535. Available from: PubMed; PMID 20824862
- Zhang X, Fu L, Zhang Q, Yan L, Ma Y, Tu B, Liu N, Qiao J. Association of TRB3 Q84R polymorphism with polycystic ovary syndrome in Chinese women. *Reprod Biol Endocrinol*. 2011;9:46. Available from: PubMed; PMID 21492415
- Zhang CW, Zhang XL, Xia YJ, Cao YX, Wang WJ, Xu P, Che YN, Wu XK, Yi L, Gao Q, Wang Y. Association between polymorphisms of the CYP11A1 gene and polycystic ovary syndrome in Chinese women. *Mol Biol Rep*. 2012 Aug;39(8):8379-85. Available from: PubMed; PMID 22699877
- Zhang H, Bi Y, Hu C, Lu W, Zhu D. Association between the Pro12Ala polymorphism of PPAR-gamma gene and the polycystic ovary syndrome: a meta-analysis of case-control studies. *Gene*. 2012 Jul 15;503(1):12-7. Available from: PubMed; PMID 22564702
- Zhang HY, Guo CX, Zhu FF, Qu PP, Lin WJ, Xiong J. Clinical characteristics, metabolic features, and phenotype of Chinese women with polycystic ovary syndrome: a large-scale case-control study. *Arch Gynecol Obstet*. 2012 Oct 30. Available from: PubMed; PMID 23108387
- Zhang J, Fan P, Liu H, Bai H, Wang Y, Zhang F. Apolipoprotein A-I and B levels, dyslipidemia and metabolic syndrome in south-west Chinese women with PCOS. *Hum Reprod*. 2012 Aug;27(8):2484-93. Available from: PubMed; PMID 22674204
- Zhang XL, Zhang CW, Xu P, Liang FJ, Che YN, Xia YJ, Cao YX, Wu XK, Wang WJ, Yi L, Gao Q, Wang Y. SNP rs2470152 in CYP19 is correlated to aromatase activity in Chinese polycystic ovary syndrome patients. *Mol Med Report*. 2012 Jan;5(1):245-9. Available from: PubMed; PMID 21972004
- Zhao X, Zhong J, Mo Y, Chen X, Chen Y, Yang D. Association of biochemical hyperandrogenism with type 2 diabetes and obesity in Chinese women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2010 Feb;108(2):148-51. Available from: PubMed; PMID 19932893
- Zhao X, Ni R, Li L, Mo Y, Huang J, Huang M, Azziz R, Yang D. Defining hirsutism in Chinese women: a cross-sectional study. *Fertil Steril*. 2011 Sep;96(3):792-6. Available from: PubMed; PMID 21762890
- Zheng Q, Shi Y, Yang Z, Xu X, Wang L, Xue F, Gu HF, Chen ZJ. Family-based association study of the MCF2L2 gene and polycystic ovary syndrome. *Gynecol Obstet Invest*. 2009;68(3):171-3. Available from: PubMed; PMID 19648752
- Zhou JQ, Zhou LM, Chen LJ, Han JD, Wang Q, Fang ZY, Chen ZY, Ling S. Polycystic ovary syndrome in patients with epilepsy: a study in 102 Chinese women. *Seizure*. 2012 Nov;21(9):729-33. Available from: PubMed; PMID 22944116
- Asuncion M, Calvo RM, San Millan JL, Sancho J, Avila S, Escobar-Morreale HF. A prospective study of the prevalence of the polycystic ovary syndrome in unselected Caucasian women from Spain. *J Clin Endocrinol Metab*. 2000 Jul;85(7):2434-8. Available from: PubMed; PMID 10902790
- Calvo RM, Villuendas G, Sancho J, San Millan JL, Escobar-Morreale HF. Role of the follistatin gene in women with polycystic ovary syndrome. *Fertil Steril*. 2001 May;75(5):1020-3. Available from: PubMed; PMID 11334920
- Crosignani PG, Nicolosi AE. Polycystic ovarian disease: heritability and heterogeneity. *Hum Reprod Update*. 2001 Jan-Feb;7(1):3-7. Available from: PubMed; PMID 11212071
- Escobar-Morreale HF, Roldan B, Barrio R, Alonso M, Sancho J, de la Calle H, Garcia-Robles R. High prevalence of the polycystic ovary syndrome and hirsutism in women with type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2000 Nov;85(11):4182-7. Available from: PubMed; PMID 11095451
- Hickey T, Chandy A, Norman RJ. The androgen receptor CAG repeat polymorphism and X-chromosome inactivation in Australian Caucasian women with infertility related to polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Jan;87(1):161-5. Available from: PubMed; PMID 11788641
- Kim NK, Nam YS, Ko JJ, Chung HM, Chung KW, Cha KY. The luteinizing hormone beta-subunit exon 3 (Gly102Ser) gene mutation is rare in Korean women with endometriosis and polycystic ovary syndrome. *Fertil Steril*. 2001 Jun;75(6):1238-9. Available from: PubMed; PMID 11384661
- Kousta E, Cela E, Lawrence N, Penny A, Millauer B, White D, Wilson H, Robinson S, Johnston D, McCarthy M, Franks S. The prevalence of polycystic ovaries in women with a history of gestational diabetes. *Clin Endocrinol (Oxf)*. 2000 Oct;53(4):501-7. Available from: PubMed; PMID 11012576
- Mifsud A, Ramirez S, Yong EL. Androgen receptor gene CAG trinucleotide repeats in anovulatory infertility and polycystic ovaries. *J Clin Endocrinol Metab*. 2000

Sep;85(9):3484-8. Available from: PubMed; PMID 10999852

Silfen ME, Manibo AM, Ferin M, McMahon DJ, Levine LS, Oberfield SE. Elevated free IGF-I levels in prepubertal Hispanic girls with premature adrenarche: relationship with hyperandrogenism and insulin sensitivity. *J Clin Endocrinol Metab.* 2002 Jan;87(1):398-403. Available from: PubMed; PMID 11788683

Takakura K, Takebayashi K, Wang HQ, Kimura F, Kasahara K, Noda Y. Follicle-stimulating hormone receptor gene mutations are rare in Japanese women with premature ovarian failure and polycystic ovary syndrome. *Fertil Steril.* 2001 Jan;75(1):207-9. Available from: PubMed; PMID 11163840

Tong Y, Liao WX, Roy AC, Ng SC. Absence of mutations in the coding regions of follicle-stimulating hormone receptor gene in Singapore Chinese women with premature ovarian failure and polycystic ovary syndrome. *Horm Metab Res.* 2001 Apr;33(4):221-6. Available from: PubMed; PMID 11383926

Tucci S, Futterweit W, Concepcion ES, Greenberg DA, Villanueva R, Davies TF, Tomer Y. Evidence for association of polycystic ovary syndrome in caucasian women with a marker at the insulin receptor gene locus. *J Clin Endocrinol Metab.* 2001 Jan;86(1):446-9. Available from: PubMed; PMID 11232039

Weerakiet S, Srisombut C, Bunnag P, Sangtong S, Chuangsoongnoen N, Rojanasakul A. Prevalence of type 2 diabetes mellitus and impaired glucose tolerance in Asian women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2001 Nov;75(2):177-84. Available from: PubMed; PMID 11684113

Williamson K, Gunn AJ, Johnson N, Milsom SR. The impact of ethnicity on the presentation of polycystic ovarian syndrome. *Aust N Z J Obstet Gynaecol.* 2001 May;41(2):202-6. Available from: PubMed; PMID 11453273

## Intrauterine Environment

Abbott DH, Dumesic DA, Franks S. Developmental origin of polycystic ovary syndrome - a hypothesis. *J Endocrinol.* 2002 Jul;174(1):1-5. Available from: PubMed; PMID 12098657

Abbott DH, Barnett DK, Bruns CM, Dumesic DA. Androgen excess fetal programming of female reproduction: a developmental aetiology for polycystic ovary syndrome? *Hum Reprod Update.* 2005 Jul-Aug;11(4):357-74. Available from: PubMed; PMID 15941725

Abbott DH, Barnett DK, Levine JE, Padmanabhan V, Dumesic DA, Jacoris S, Tarantal AF. Endocrine antecedents of polycystic ovary syndrome in fetal and infant prenatally androgenized female rhesus monkeys. *Biol Reprod.* 2008 Jul;79(1):154-63. Available from: PubMed; PMID 18385445

Abbott DH, Zhou R, Bird IM, Dumesic DA, Conley AJ. Fetal programming of adrenal androgen excess: lessons from a nonhuman primate model of polycystic ovary syndrome. *Endocr Dev.* 2008;13:145-58. Available from: PubMed; PMID 18493139

Abbott DH, Tarantal AF, Dumesic DA. Fetal, infant, adolescent and adult phenotypes of polycystic ovary syndrome in prenatally androgenized female rhesus monkeys. *Am J Primatol.* 2009 Sep;71(9):776-84. Available from: PubMed; PMID 19367587

Abbott DH, Bruns CR, Barnett DK, Dunaif A, Goodfriend TL, Dumesic DA, Tarantal AF. Experimentally induced gestational androgen excess disrupts glucoregulation in rhesus monkey dams and their female offspring. *Am J Physiol Endocrinol Metab.* 2010 Nov;299(5):E741-51. Available from: PubMed; PMID 20682841

Abbott AD, Colman RJ, Tiefenthaler R, Dumesic DA, Abbott DH. Early-to-mid gestation fetal testosterone increases right hand 2D:4D finger length ratio in polycystic ovary syndrome-like monkeys. *PLoS One.* 2012;7(8):e42372. Available from: PubMed; PMID 22927929

Abu Hashim H, Ombar O, Abd Elaai I. Intrauterine insemination versus timed intercourse with clomiphene citrate in polycystic ovary syndrome: a randomized controlled trial. *Acta Obstet Gynecol Scand.* 2011 Apr;90(4):344-50. Available from: PubMed; PMID 21306326

Ackerman CM, Lowe LP, Lee H, Chen F, Hughes E, Cholod P, Dyer AR, Hayes MG, Metzger BE, Lowe WL, Urbanek M. The role of the polycystic ovary syndrome susceptibility locus D19S884 allele 8 in maternal glycemia and fetal size. *J Clin Endocrinol Metab.* 2010 Jul;95(7):3242-50. Available from: PubMed; PMID 20444918

Alshammari A, Hanley A, Ni A, Tomlinson G, Feig DS. Does the presence of polycystic ovary syndrome increase the risk of obstetrical complications in women with gestational diabetes? *J Matern Fetal Neonatal Med.* 2010 Jun;23(6):545-9. Available from: PubMed; PMID 19718584

Amalfi S, Velez LM, Heber MF, Vighi S, Ferreira SR, Orozco AV, Pignataro O, Motta AB. Prenatal hyperandrogenization induces metabolic and endocrine alterations which depend on the levels of testosterone exposure. *PLoS One.* 2012;7(5):e37658. Available from: PubMed; PMID 22655062

- Anderson H, Fogel N, Grebe SK, Singh RJ, Taylor RL, Dunaif A. Infants of women with polycystic ovary syndrome have lower cord blood androstenedione and estradiol levels. *J Clin Endocrinol Metab.* 2010 May;95(5):2180-6. Available from: PubMed; PMID 20228162
- Awonuga AO, Schenone MH, Abdallah ME, Yelian FD, Diamond MP, Puscheck EE. Non-adherence to instructions to cancel a cycle in a patient overstimulated with gonadotropins in a planned intrauterine insemination cycle. *J Clin Ethics.* 2009 Fall;20(3):235-8. Available from: PubMed; PMID 19845194
- Bals-Pratsch M, Grosser B, Seifert B, Ortmann O, Seifarth C. Early onset and high prevalence of gestational diabetes in PCOS and insulin resistant women before and after assisted reproduction. *Exp Clin Endocrinol Diabetes.* 2011 Jun;119(6):338-42. Available from: PubMed; PMID 21374548
- Barnett DK, Abbott DH. Reproductive adaptations to a large-brained fetus open a vulnerability to anovulation similar to polycystic ovary syndrome. *Am J Hum Biol.* 2003 May-Jun;15(3):296-319. Available from: PubMed; PMID 12704707
- Barry JA, Kay AR, Navaratnarajah R, Iqbal S, Bamfo JE, David AL, Hines M, Hardiman PJ. Umbilical vein testosterone in female infants born to mothers with polycystic ovary syndrome is elevated to male levels. *J Obstet Gynaecol.* 2010;30(5):444-6. Available from: PubMed; PMID 20604643
- Barry JA, Hardiman PJ, Siddiqui MR, Thomas M. Meta-analysis of sex difference in testosterone levels in umbilical cord blood. *J Obstet Gynaecol.* 2011 Nov;31(8):697-702. Available from: PubMed; PMID 22085057
- Begum MR, Khanam NN, Quadir E, Ferdous J, Begum MS, Khan F, Begum A. Prevention of gestational diabetes mellitus by continuing metformin therapy throughout pregnancy in women with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2009 Apr;35(2):282-6. Available from: PubMed; PMID 19708174
- Bruns CM, Baum ST, Colman RJ, Dumesic DA, Eisner JR, Jensen MD, Whigham LD, Abbott DH. Prenatal androgen excess negatively impacts body fat distribution in a nonhuman primate model of polycystic ovary syndrome. *Int J Obes (Lond).* 2007 Oct;31(10):1579-85. Available from: PubMed; PMID 17471299
- Carlsen SM, Vanky E. Metformin influence on hormone levels at birth, in PCOS mothers and their newborns. *Hum Reprod.* 2010 Mar;25(3):786-90. Available from: PubMed; PMID 20023292
- Catrrall FR, Vollenhoven BJ, Weston GC. Anatomical evidence for in utero androgen exposure in women with polycystic ovary syndrome. *Fertil Steril.* 2005 Dec;84(6):1689-92. Available from: PubMed; PMID 16359966
- Chan CC, Ng EH, Tang OS, Lee CP, Ho PC. The prevalence of polycystic ovaries in Chinese women with a history of gestational diabetes mellitus. *Gynecol Endocrinol.* 2006 Sep;22(9):516-20. Available from: PubMed; PMID 17071537
- Chandrasekar R, Kiran U, Weerakkody AN. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG.* 2007 Mar;114(3):375-6; author reply 6. Available from: PubMed; PMID 17313391
- Crisosto N, Echiburu B, Maliqueo M, Perez V, Ladron de Guevara A, Preisler J, Sanchez F, Sir-Petermann T. Improvement of hyperandrogenism and hyperinsulinemia during pregnancy in women with polycystic ovary syndrome: possible effect in the ovarian follicular mass of their daughters. *Fertil Steril.* 2012 Jan;97(1):218-24. Available from: PubMed; PMID 22088206
- D'Anna R, Di Benedetto V, Rizzo P, Raffone E, Interdonato ML, Corrado F, Di Benedetto A. Myo-inositol may prevent gestational diabetes in PCOS women. *Gynecol Endocrinol.* 2012 Jun;28(6):440-2. Available from: PubMed; PMID 22122627
- De Leo V, Musacchio MC, Piomboni P, Di Sabatino A, Morgante G. The administration of metformin during pregnancy reduces polycystic ovary syndrome related gestational complications. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jul;157(1):63-6. Available from: PubMed; PMID 21530058
- de Oliveira Baraldi C, Lanchote VL, de Jesus Antunes N, de Jesus Ponte Carvalho TM, Dantas Moises EC, Duarte G, Cavalli RC. Metformin pharmacokinetics in nondiabetic pregnant women with polycystic ovary syndrome. *Eur J Clin Pharmacol.* 2011 Oct;67(10):1027-33. Available from: PubMed; PMID 21538144
- de Zegher F, Ibanez L. Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S4-5. Available from: PubMed; PMID 16798286
- de Zegher F, Ibanez L. Early Origins of polycystic ovary syndrome: hypotheses may change without notice. *J Clin Endocrinol Metab.* 2009 Oct;94(10):3682-5. Available from: PubMed; PMID 19808859
- Deti L, Phillips OP, Schneider M, Lambrecht LE. Fetal reduction for hyperreactio luteinalis. *Fertil Steril.* 2011 Oct;96(4):934-8. Available from: PubMed; PMID 21820654
- Ercan CM, Duru NK, Sakinci M, Alanbay I, Karasahin KE, Baser I. Successful twin pregnancy achieved by assisted reproductive technology in a patient with polycystic ovary syndrome with complex atypical endometrial hyperplasia

- treated with levonorgestrel-releasing intrauterine system. *Gynecol Endocrinol.* 2010 Feb;26(2):125-8. Available from: PubMed; PMID 20074021
- Ernst CL, Goldberg JF. The reproductive safety profile of mood stabilizers, atypical antipsychotics, and broad-spectrum psychotropics. *J Clin Psychiatry.* 2002;63 Suppl 4:42-55. Available from: PubMed; PMID 11913676
- Eroglu D, Zeyneloglu HB. Metabolic disorders in patients with recent gestational diabetes mellitus. *J Obstet Gynaecol Res.* 2006 Aug;32(4):408-15. Available from: PubMed; PMID 16882267
- Ertunc D, Tok EC, Savas A, Ozturk I, Dilek S. Gonadotropin-releasing hormone antagonist use in controlled ovarian stimulation and intrauterine insemination cycles in women with polycystic ovary syndrome. *Fertil Steril.* 2010 Mar 1;93(4):1179-84. Available from: PubMed; PMID 19200979
- Forsdike RA, Hardy K, Bull L, Stark J, Webber LJ, Stubbs S, Robinson JE, Franks S. Disordered follicle development in ovaries of prenatally androgenized ewes. *J Endocrinol.* 2007 Feb;192(2):421-8. Available from: PubMed; PMID 17283242
- Franks S, Berga SL. Does PCOS have developmental origins? *Fertil Steril.* 2012 Jan;97(1):2-6. Available from: PubMed; PMID 22192134
- Gilbert C, Valois M, Koren G. Pregnancy outcome after first-trimester exposure to metformin: a meta-analysis. *Fertil Steril.* 2006 Sep;86(3):658-63. Available from: PubMed; PMID 16879826
- Glueck CJ, Wang P, Kobayashi S, Phillips H, Sieve-Smith L. Metformin therapy throughout pregnancy reduces the development of gestational diabetes in women with polycystic ovary syndrome. *Fertil Steril.* 2002 Mar;77(3):520-5. Available from: PubMed; PMID 11872206
- Glueck CJ, Goldenberg N, Wang P, Loftsring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. *Hum Reprod.* 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944
- Glueck CJ, Prankoff J, Aregawi D, Wang P. Prevention of gestational diabetes by metformin plus diet in patients with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):625-34. Available from: PubMed; PMID 17678910
- Hart R, Sloboda DM, Doherty DA, Norman RJ, Atkinson HC, Newnham JP, Dickinson JE, Hickey M. Circulating maternal testosterone concentrations at 18 weeks of gestation predict circulating levels of antimullerian hormone in adolescence: a prospective cohort study. *Fertil Steril.* 2010 Sep;94(4):1544-7. Available from: PubMed; PMID 20153853
- Hatzirodos N, Bayne RA, Irving-Rodgers HF, Hummitzsch K, Sabatier L, Lee S, Bonner W, Gibson MA, Rainey WE, Carr BR, Mason HD, Reinhardt DP, Anderson RA, Rodgers RJ. Linkage of regulators of TGF-beta activity in the fetal ovary to polycystic ovary syndrome. *FASEB J.* 2011 Jul;25(7):2256-65. Available from: PubMed; PMID 21411746
- Hickey M, Sloboda DM, Atkinson HC, Doherty DA, Franks S, Norman RJ, Newnham JP, Hart R. The relationship between maternal and umbilical cord androgen levels and polycystic ovary syndrome in adolescence: a prospective cohort study. *J Clin Endocrinol Metab.* 2009 Oct;94(10):3714-20. Available from: PubMed; PMID 19567524
- Hogg K, Young JM, Oliver EM, Souza CJ, McNeilly AS, Duncan WC. Enhanced thecal androgen production is prenatally programmed in an ovine model of polycystic ovary syndrome. *Endocrinology.* 2012 Jan;153(1):450-61. Available from: PubMed; PMID 22087026
- Homburg R. Androgen circle of polycystic ovary syndrome. *Hum Reprod.* 2009 Jul;24(7):1548-55. Available from: PubMed; PMID 19279033
- Homburg R. Reply: A new method for testing a hypothesis on a cause of polycystic ovary syndrome. *Hum Reprod.* 2010 Jan;25(1):289-90. Available from: PubMed; PMID 20050299
- Ibanez L, Jaramillo A, Enriquez G, Miro E, Lopez-Bermejo A, Dunger D, de Zegher F. Polycystic ovaries after precocious pubarche: relation to prenatal growth. *Hum Reprod.* 2007 Feb;22(2):395-400. Available from: PubMed; PMID 17062583
- Ibanez L, Lopez-Bermejo A, Callejo J, Torres A, Cabre S, Dunger D, de Zegher F. Polycystic ovaries in nonobese adolescents and young women with ovarian androgen excess: relation to prenatal growth. *J Clin Endocrinol Metab.* 2008 Jan;93(1):196-9. Available from: PubMed; PMID 17956949
- James WH. A new method for testing a hypothesis on a cause of polycystic ovary syndrome. *Hum Reprod.* 2009 Nov;24(11):2968. Available from: PubMed; PMID 19749195
- Jammah AA, Somal KK, Power SG, McManus RM. Gestational diabetes after infertility treatment for polycystic ovarian syndrome. *Saudi Med J.* 2009 Apr;30(4):575-6. Available from: PubMed; PMID 19370293
- Kashanian M, Fazy Z, Pirak A. Evaluation of the relationship between gestational diabetes and a history of polycystic ovarian syndrome. *Diabetes Res Clin Pract.*

2008 May;80(2):289-92. Available from: PubMed; PMID 18294722

Khattab S, Mohsen IA, Aboul Foutouh I, Ashmawi HS, Mohsen MN, van Wely M, van der Veen F, Youssef MA. Can metformin reduce the incidence of gestational diabetes mellitus in pregnant women with polycystic ovary syndrome? Prospective cohort study. *Gynecol Endocrinol*. 2011 Oct;27(10):789-93. Available from: PubMed; PMID 21247239

King AJ, Olivier NB, Mohankumar PS, Lee JS, Padmanabhan V, Fink GD. Hypertension caused by prenatal testosterone excess in female sheep. *Am J Physiol Endocrinol Metab*. 2007 Jun;292(6):E1837-41. Available from: PubMed; PMID 17327368

Koivunen RM, Juutinen J, Vauhkonen I, Morin-Papunen LC, Ruokonen A, Tapanainen JS. Metabolic and steroidogenic alterations related to increased frequency of polycystic ovaries in women with a history of gestational diabetes. *J Clin Endocrinol Metab*. 2001 Jun;86(6):2591-9. Available from: PubMed; PMID 11397859

Kousta E, Cela E, Lawrence N, Penny A, Millauer B, White D, Wilson H, Robinson S, Johnston D, McCarthy M, Franks S. The prevalence of polycystic ovaries in women with a history of gestational diabetes. *Clin Endocrinol (Oxf)*. 2000 Oct;53(4):501-7. Available from: PubMed; PMID 11012576

Legro RS, Roller RL, Dodson WC, Stetter CM, Kunselman AR, Dunaif A. Associations of birthweight and gestational age with reproductive and metabolic phenotypes in women with polycystic ovarian syndrome and their first-degree relatives. *J Clin Endocrinol Metab*. 2010 Feb;95(2):789-99. Available from: PubMed; PMID 19965924

Li Z, Huang H. Epigenetic abnormality: a possible mechanism underlying the fetal origin of polycystic ovary syndrome. *Med Hypotheses*. 2008;70(3):638-42. Available from: PubMed; PMID 17764855

Li G, Fan L, Zhang L, Zhang W, Huang X. Metabolic parameters and perinatal outcomes of gestational diabetes mellitus in women with polycystic ovary syndrome. *J Perinat Med*. 2010 Mar;38(2):141-6. Available from: PubMed; PMID 20146658

Lo JC, Feigenbaum SL, Escobar GJ, Yang J, Crites YM, Ferrara A. Increased prevalence of gestational diabetes mellitus among women with diagnosed polycystic ovary syndrome: a population-based study. *Diabetes Care*. 2006 Aug;29(8):1915-7. Available from: PubMed; PMID 16873802

Lujan ME, Bloski TG, Chizen DR, Lehotay DC, Pierson RA. Digit ratios do not serve as anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Hum Reprod*. 2010 Jan;25(1):204-11. Available from: PubMed; PMID 19855107

Lujan ME, Podolski AJ, Chizen DR, Lehotay DC, Pierson RA. Digit ratios by computer-assisted analysis confirm lack of anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Reprod Biol Endocrinol*. 2010;8:156. Available from: PubMed; PMID 21189149

Maliqueo M, Echiburu B, Crisosto N, Amigo P, Aranda P, Sanchez F, Sir-Petermann T. Metabolic parameters in cord blood of newborns of women with polycystic ovary syndrome. *Fertil Steril*. 2009 Jul;92(1):277-82. Available from: PubMed; PMID 18555232

Melo AS, Vieira CS, Barbieri MA, Rosa ESAC, Silva AA, Cardoso VC, Reis RM, Ferriani RA, Silva-de-Sa MF, Bettiol H. High prevalence of polycystic ovary syndrome in women born small for gestational age. *Hum Reprod*. 2010 Aug;25(8):2124-31. Available from: PubMed; PMID 20573680

Nisenblat V, Norman RJ. Androgens and polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2009 Jun;16(3):224-31. Available from: PubMed; PMID 19390322

Ortega HH, Rey F, Velazquez MM, Padmanabhan V. Developmental programming: effect of prenatal steroid excess on intraovarian components of insulin signaling pathway and related proteins in sheep. *Biol Reprod*. 2010 Jun;82(6):1065-75. Available from: PubMed; PMID 20147730

Padmanabhan V. Polycystic ovary syndrome--"A riddle wrapped in a mystery inside an enigma". *J Clin Endocrinol Metab*. 2009 Jun;94(6):1883-5. Available from: PubMed; PMID 19494163

Padmanabhan V, Veiga-Lopez A, Abbott DH, Recabarren SE, Herkimer C. Developmental programming: impact of prenatal testosterone excess and postnatal weight gain on insulin sensitivity index and transfer of traits to offspring of overweight females. *Endocrinology*. 2010 Feb;151(2):595-605. Available from: PubMed; PMID 19966179

Palomba S, Falbo A, Orio F, Jr., Manguso F, Russo T, Tolino A, Annamaria C, Dale B, Zullo F. A randomized controlled trial evaluating metformin pre-treatment and co-administration in non-obese insulin-resistant women with polycystic ovary syndrome treated with controlled ovarian stimulation plus timed intercourse or intrauterine insemination. *Hum Reprod*. 2005 Oct;20(10):2879-86. Available from: PubMed; PMID 15958399

Palomba S, Falbo A, Orio F, Jr., Zullo F. Effect of preconceptional metformin on abortion risk in polycystic ovary syndrome: a systematic review and meta-analysis of randomized controlled trials. *Fertil Steril*. 2009 Nov;92(5):1646-58. Available from: PubMed; PMID 18937939

- Palomba S, Falbo A, Russo T, Rivoli L, Orio M, Cosco AG, Vero R, Capula C, Tolino A, Zullo F, Colao A, Orio F. The risk of a persistent glucose metabolism impairment after gestational diabetes mellitus is increased in patients with polycystic ovary syndrome. *Diabetes Care*. 2012 Apr;35(4):861-7. Available from: PubMed; PMID 22338097
- Pasquali R, Gambineri A, Pagotto U. The impact of obesity on reproduction in women with polycystic ovary syndrome. *BJOG*. 2006 Oct;113(10):1148-59. Available from: PubMed; PMID 16827825
- Reyes-Munoz E, Castellanos-Barroso G, Ramirez-Eugenio BY, Ortega-Gonzalez C, Parra A, Castillo-Mora A, De la Jara-Diaz JF. The risk of gestational diabetes mellitus among Mexican women with a history of infertility and polycystic ovary syndrome. *Fertil Steril*. 2012 Jun;97(6):1467-71. Available from: PubMed; PMID 22503417
- Roland AV, Nunemaker CS, Keller SR, Moenter SM. Prenatal androgen exposure programs metabolic dysfunction in female mice. *J Endocrinol*. 2010 Nov;207(2):213-23. Available from: PubMed; PMID 20713501
- Sir-Petermann T, Maliqueo M, Angel B, Lara HE, Perez-Bravo F, Recabarren SE. Maternal serum androgens in pregnant women with polycystic ovarian syndrome: possible implications in prenatal androgenization. *Hum Reprod*. 2002 Oct;17(10):2573-9. Available from: PubMed; PMID 12351531
- Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology*. 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266
- Thomann R, Rossinelli N, Keller U, Tirri BF, De Geyter C, Ruiz J, Kranzlin M, Puder JJ. Differences in low-grade chronic inflammation and insulin resistance in women with previous gestational diabetes mellitus and women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Apr;24(4):199-206. Available from: PubMed; PMID 18382906
- Toulis KA, Goulis DG, Kolibianakis EM, Venetis CA, Tarlatzis BC, Papadimas I. Risk of gestational diabetes mellitus in women with polycystic ovary syndrome: a systematic review and a meta-analysis. *Fertil Steril*. 2009 Aug;92(2):667-77. Available from: PubMed; PMID 18710713
- van Weissenbruch MM. Premature adrenarche, polycystic ovary syndrome and intrauterine growth retardation: does a relationship exist? *Curr Opin Endocrinol Diabetes Obes*. 2007 Feb;14(1):35-40. Available from: PubMed; PMID 17940417
- Vanky E, Carlsen SM. Androgens and antimullerian hormone in mothers with polycystic ovary syndrome and their newborns. *Fertil Steril*. 2012 Feb;97(2):509-15. Available from: PubMed; PMID 22154766
- Veiga-Lopez A, Lee JS, Padmanabhan V. Developmental programming: insulin sensitizer treatment improves reproductive function in prenatal testosterone-treated female sheep. *Endocrinology*. 2010 Aug;151(8):4007-17. Available from: PubMed; PMID 20555028
- Veiga-Lopez A, Ye W, Padmanabhan V. Developmental programming: prenatal testosterone excess disrupts anti-Mullerian hormone expression in preantral and antral follicles. *Fertil Steril*. 2012 Mar;97(3):748-56. Available from: PubMed; PMID 22245531
- Veltman-Verhulst SM, van Haefen TW, Eijkemans MJ, de Valk HW, Fauser BC, Goverde AJ. Sex hormone-binding globulin concentrations before conception as a predictor for gestational diabetes in women with polycystic ovary syndrome. *Hum Reprod*. 2010 Dec;25(12):3123-8. Available from: PubMed; PMID 20943702
- Victor VM, Rocha M, Banuls C, Alvarez A, de Pablo C, Sanchez-Serrano M, Gomez M, Hernandez-Mijares A. Induction of oxidative stress and human leukocyte/endothelial cell interactions in polycystic ovary syndrome patients with insulin resistance. *J Clin Endocrinol Metab*. 2011 Oct;96(10):3115-22. Available from: PubMed; PMID 21778215
- Vollenhoven B, Clark S, Kovacs G, Burger H, Healy D. Prevalence of gestational diabetes mellitus in polycystic ovarian syndrome (PCOS) patients pregnant after ovulation induction with gonadotrophins. *Aust N Z J Obstet Gynaecol*. 2000 Feb;40(1):54-8. Available from: PubMed; PMID 10870780
- Wang F, Yu B, Yang W, Liu J, Lu J, Xia X. Polycystic ovary syndrome resembling histopathological alterations in ovaries from prenatal androgenized female rats. *J Ovarian Res*. 2012;5(1):15. Available from: PubMed; PMID 22607720
- Weerakiet S, Srisombut C, Rojanasakul A, Panburana P, Thakkinstian A, Herabutya Y. Prevalence of gestational diabetes mellitus and pregnancy outcomes in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Sep;19(3):134-40. Available from: PubMed; PMID 15697074
- Wijeyaratne CN, Waduge R, Arandara D, Arasalingam A, Sivasuriam A, Dodampahala SH, Balen AH. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG*. 2006 Oct;113(10):1182-7. Available from: PubMed; PMID 16972862
- Wiser A, Shalom-Paz E, Reinblatt SL, Holzer H, Tulandi T. Controlled ovarian hyperstimulation in women with polycystic ovarian syndrome with or without intrauterine

insemination. *Gynecol Endocrinol*. 2012 Jul;28(7):502-4. Available from: PubMed; PMID 22122754

Witchel SF, Recabarren SE, Gonzalez F, Diamanti-Kandarakis E, Cheang KI, Duleba AJ, Legro RS, Homburg R, Pasquali R, Lobo RA, Zouboulis CC, Kelestimur F, Fruzzetti F, Futterweit W, Norman RJ, Abbott DH. Emerging concepts about prenatal genesis, aberrant metabolism and treatment paradigms in polycystic ovary syndrome. *Endocrine*. 2012 Jun 4. Available from: PubMed; PMID 22661293

Wu XY, Li ZL, Wu CY, Liu YM, Lin H, Wang SH, Xiao WF. Endocrine traits of polycystic ovary syndrome in prenatally androgenized female Sprague-Dawley rats. *Endocr J*. 2010;57(3):201-9. Available from: PubMed; PMID 20057162

Xita N, Tsatsoulis A. Review: fetal programming of polycystic ovary syndrome by androgen excess: evidence from experimental, clinical, and genetic association studies. *J Clin Endocrinol Metab*. 2006 May;91(5):1660-6. Available from: PubMed; PMID 16522691

Xu N, Kwon S, Abbott DH, Geller DH, Dumesic DA, Azziz R, Guo X, Goodarzi MO. Epigenetic mechanism underlying the development of polycystic ovary syndrome (PCOS)-like phenotypes in prenatally androgenized rhesus monkeys. *PLoS One*. 2011;6(11):e27286. Available from: PubMed; PMID 22076147

Yarali H, Bukulmez O, Gurgan T. Combined bilateral ectopic and intrauterine pregnancy following ovulation induction with the low-dose step-up protocol in a patient with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2000 Jul;264(1):37-8. Available from: PubMed; PMID 10985619

Zhou R, Bird IM, Dumesic DA, Abbott DH. Adrenal hyperandrogenism is induced by fetal androgen excess in a rhesus monkey model of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Dec;90(12):6630-7. Available from: PubMed; PMID 16174719

## Post- Natal Androgen Exposure

Abbott DH, Barnett DK, Levine JE, Padmanabhan V, Dumesic DA, Jacoris S, Tarantal AF. Endocrine antecedents of polycystic ovary syndrome in fetal and infant prenatally androgenized female rhesus monkeys. *Biol Reprod*. 2008 Jul;79(1):154-63. Available from: PubMed; PMID 18385445

Abbott DH, Zhou R, Bird IM, Dumesic DA, Conley AJ. Fetal programming of adrenal androgen excess: lessons from a nonhuman primate model of polycystic ovary syndrome. *Endocr Dev*. 2008;13:145-58. Available from: PubMed; PMID 18493139

Abbott DH, Bruns CR, Barnett DK, Dunaif A, Goodfriend TL, Dumesic DA, Tarantal AF. Experimentally induced gestational androgen excess disrupts glucoregulation in rhesus monkey dams and their female offspring. *Am J Physiol Endocrinol Metab*. 2010 Nov;299(5):E741-51. Available from: PubMed; PMID 20682841

Abbott AD, Colman RJ, Tiefenthaler R, Dumesic DA, Abbott DH. Early-to-mid gestation fetal testosterone increases right hand 2D:4D finger length ratio in polycystic ovary syndrome-like monkeys. *PLoS One*. 2012;7(8):e42372. Available from: PubMed; PMID 22927929

Anderson H, Fogel N, Grebe SK, Singh RJ, Taylor RL, Dunaif A. Infants of women with polycystic ovary syndrome have lower cord blood androstenedione and estradiol levels. *J Clin Endocrinol Metab*. 2010 May;95(5):2180-6. Available from: PubMed; PMID 20228162

Araki T, Elias R, Rosenwaks Z, Poretsky L. Achieving a successful pregnancy in women with polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2011 Dec;40(4):865-94. Available from: PubMed; PMID 22108285

Barber TM, Bennett AJ, Gloyn AL, Groves CJ, Sovio U, Ruokonen A, Martikainen H, Pouta A, Taponen S, Weedon MN, Hartikainen AL, Wass JA, Jarvelin MR, Zeggini E, Franks S, McCarthy MI. Relationship between E23K (an established type II diabetes-susceptibility variant within KCNJ11), polycystic ovary syndrome and androgen levels. *Eur J Hum Genet*. 2007 Jun;15(6):679-84. Available from: PubMed; PMID 17342155

Barry JA, Hardiman PJ, Siddiqui MR, Thomas M. Meta-analysis of sex difference in testosterone levels in umbilical cord blood. *J Obstet Gynaecol*. 2011 Nov;31(8):697-702. Available from: PubMed; PMID 22085057

Begum MR, Khanam NN, Quadir E, Ferdous J, Begum MS, Khan F, Begum A. Prevention of gestational diabetes mellitus by continuing metformin therapy throughout pregnancy in women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2009 Apr;35(2):282-6. Available from: PubMed; PMID 19708174

Bertalan R, Csabay L, Blazovics A, Rigo J, Jr., Varga I, Halasz Z, Toldy E, Boyle B, Racz K. Maternal hyperandrogenism beginning from early pregnancy and progressing until delivery does not produce virilization of a female newborn. *Gynecol Endocrinol*. 2007 Oct;23(10):581-3. Available from: PubMed; PMID 17852424

Boomsma CM, Eijkemans MJ, Hughes EG, Visser GH, Fauser BC, Macklon NS. A meta-analysis of pregnancy outcomes in women with polycystic ovary syndrome. *Hum Reprod Update*. 2006 Nov-Dec;12(6):673-83. Available from: PubMed; PMID 16891296



- Bremer AA. Polycystic ovary syndrome in the pediatric population. *Metab Syndr Relat Disord*. 2010 Oct;8(5):375-94. Available from: PubMed; PMID 20939704
- Carlsen SM, Vanky E. Metformin influence on hormone levels at birth, in PCOS mothers and their newborns. *Hum Reprod*. 2010 Mar;25(3):786-90. Available from: PubMed; PMID 20023292
- Carroll J, Saxena R, Welt CK. Environmental and genetic factors influence age at menarche in women with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2012;25(5-6):459-66. Available from: PubMed; PMID 22876539
- Chapman JC, Min SH, Freeh SM, Michael SD. The estrogen-injected female mouse: new insight into the etiology of PCOS. *Reprod Biol Endocrinol*. 2009;7:47. Available from: PubMed; PMID 19450261
- Crisosto N, Echiburua B, Maliqueo M, Perez V, Ladron de Guevara A, Preisler J, Sanchez F, Sir-Petermann T. Improvement of hyperandrogenism and hyperinsulinemia during pregnancy in women with polycystic ovary syndrome: possible effect in the ovarian follicular mass of their daughters. *Fertil Steril*. 2012 Jan;97(1):218-24. Available from: PubMed; PMID 22088206
- de Zegher F, Ibanez L. Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S4-5. Available from: PubMed; PMID 16798286
- Diamanti-Kandaraki E, Piperi C, Spina J, Argyrakopoulou G, Papanastasiou L, Bergiele A, Panidis D. Polycystic ovary syndrome: the influence of environmental and genetic factors. *Hormones (Athens)*. 2006 Jan-Mar;5(1):17-34. Available from: PubMed; PMID 16728382
- Falbo A, Rocca M, Russo T, D'Ettore A, Tolino A, Zullo F, Orio F, Palomba S. Changes in androgens and insulin sensitivity indexes throughout pregnancy in women with polycystic ovary syndrome (PCOS): relationships with adverse outcomes. *J Ovarian Res*. 2010;3:23. Available from: PubMed; PMID 20942923
- Falhammar H, Thoren M, Hagenfeldt K. A 31-year-old woman with infertility and polycystic ovaries diagnosed with non-classic congenital adrenal hyperplasia due to a novel CYP21 mutation. *J Endocrinol Invest*. 2008 Feb;31(2):176-80. Available from: PubMed; PMID 18362511
- Fernandez M, Bourguignon N, Lux-Lantos V, Libertun C. Neonatal exposure to bisphenol a and reproductive and endocrine alterations resembling the polycystic ovarian syndrome in adult rats. *Environ Health Perspect*. 2010 Sep;118(9):1217-22. Available from: PubMed; PMID 20413367
- Franks S, McCarthy MI, Hardy K. Development of polycystic ovary syndrome: involvement of genetic and environmental factors. *Int J Androl*. 2006 Feb;29(1):278-85; discussion 86-90. Available from: PubMed; PMID 16390494
- Goldenberg N, Glueck C. Medical therapy in women with polycystic ovarian syndrome before and during pregnancy and lactation. *Minerva Ginecol*. 2008 Feb;60(1):63-75. Available from: PubMed; PMID 18277353
- Ibanez L, Lopez-Bermejo A, Callejo J, Torres A, Cabre S, Dunger D, de Zegher F. Polycystic ovaries in nonobese adolescents and young women with ovarian androgen excess: relation to prenatal growth. *J Clin Endocrinol Metab*. 2008 Jan;93(1):196-9. Available from: PubMed; PMID 17956949
- Kandaraki E, Chatzigeorgiou A, Livadas S, Palioura E, Economou F, Koutsilieris M, Palimeri S, Panidis D, Diamanti-Kandaraki E. Endocrine disruptors and polycystic ovary syndrome (PCOS): elevated serum levels of bisphenol A in women with PCOS. *J Clin Endocrinol Metab*. 2011 Mar;96(3):E480-4. Available from: PubMed; PMID 21193545
- Kocak I, Ustun C. Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res*. 2006 Jun;32(3):292-8. Available from: PubMed; PMID 16764619
- Kousta E, Cela E, Lawrence N, Penny A, Millauer B, White D, Wilson H, Robinson S, Johnston D, McCarthy M, Franks S. The prevalence of polycystic ovaries in women with a history of gestational diabetes. *Clin Endocrinol (Oxf)*. 2000 Oct;53(4):501-7. Available from: PubMed; PMID 11012576
- Li Z, Huang H. Epigenetic abnormality: a possible mechanism underlying the fetal origin of polycystic ovary syndrome. *Med Hypotheses*. 2008;70(3):638-42. Available from: PubMed; PMID 17764855
- Manneras L, Jonsdottir IH, Holmang A, Lonn M, Stener-Victorin E. Low-frequency electro-acupuncture and physical exercise improve metabolic disturbances and modulate gene expression in adipose tissue in rats with dihydrotestosterone-induced polycystic ovary syndrome. *Endocrinology*. 2008 Jul;149(7):3559-68. Available from: PubMed; PMID 18388196
- Melo AS, Vieira CS, Barbieri MA, Rosa ESAC, Silva AA, Cardoso VC, Reis RM, Ferriani RA, Silva-de-Sa MF, Bettiol H. High prevalence of polycystic ovary syndrome in women born small for gestational age. *Hum Reprod*. 2010 Aug;25(8):2124-31. Available from: PubMed; PMID 20573680
- Morrell MJ. Reproductive and metabolic disorders in women with epilepsy. *Epilepsia*. 2003;44 Suppl 4:11-20. Available from: PubMed; PMID 12823565

Motta AB. Report of the international symposium: polycystic ovary syndrome: first Latin-American consensus. *Int J Clin Pract*. 2010 Apr;64(5):544-57. Available from: PubMed; PMID 20456209

Padmanabhan V, Veiga-Lopez A, Abbott DH, Recabarren SE, Herkimer C. Developmental programming: impact of prenatal testosterone excess and postnatal weight gain on insulin sensitivity index and transfer of traits to offspring of overweight females. *Endocrinology*. 2010 Feb;151(2):595-605. Available from: PubMed; PMID 19966179

Palomba S, Falbo A, Russo T, Tolino A, Orio F, Zullo F. Pregnancy in women with polycystic ovary syndrome: the effect of different phenotypes and features on obstetric and neonatal outcomes. *Fertil Steril*. 2010 Oct;94(5):1805-11. Available from: PubMed; PMID 20004377

Pandolfi C, Zugaro A, Lattanzio F, Necozone S, Barbonetti A, Colangeli MS, Francavilla S, Francavilla F. Low birth weight and later development of insulin resistance and biochemical/clinical features of polycystic ovary syndrome. *Metabolism*. 2008 Jul;57(7):999-1004. Available from: PubMed; PMID 18555843

Qureshi AI, Nussey SS, Bano G, Musonda P, Whitehead SA, Mason HD. Testosterone selectively increases primary follicles in ovarian cortex grafted onto embryonic chick membranes: relevance to polycystic ovaries. *Reproduction*. 2008 Aug;136(2):187-94. Available from: PubMed; PMID 18456904

Shaw LM, Elton S. Polycystic ovary syndrome: a transgenerational evolutionary adaptation. *BJOG*. 2008 Jan;115(2):144-8. Available from: PubMed; PMID 18081596

Sotomayor-Zarate R, Tiszavari M, Cruz G, Lara HE. Neonatal exposure to single doses of estradiol or testosterone programs ovarian follicular development-modified hypothalamic neurotransmitters and causes polycystic ovary during adulthood in the rat. *Fertil Steril*. 2011 Dec;96(6):1490-6. Available from: PubMed; PMID 21982285

Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology*. 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266

Sverrisdottir YB, Mogren T, Kataoka J, Janson PO, Stener-Victorin E. Is polycystic ovary syndrome associated with high sympathetic nerve activity and size at birth? *Am J Physiol Endocrinol Metab*. 2008 Mar;294(3):E576-81. Available from: PubMed; PMID 18198350

Tamura N, Kurabayashi T, Nagata H, Matsushita H, Yahata T, Tanaka K. Effects of testosterone on cancellous bone, marrow adipocytes, and ovarian phenotype in a young female rat model of polycystic ovary syndrome. *Fertil*

*Steril*. 2005 Oct;84 Suppl 2:1277-84. Available from: PubMed; PMID 16210021

Vanky E, Salvesen KA, Heimstad R, Fougner KJ, Romundstad P, Carlsen SM. Metformin reduces pregnancy complications without affecting androgen levels in pregnant polycystic ovary syndrome women: results of a randomized study. *Hum Reprod*. 2004 Aug;19(8):1734-40. Available from: PubMed; PMID 15178665

Vanky E, Isaksen H, Moen MH, Carlsen SM. Breastfeeding in polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2008;87(5):531-5. Available from: PubMed; PMID 18446536

Vanky E, Carlsen SM. Androgens and antimullerian hormone in mothers with polycystic ovary syndrome and their newborns. *Fertil Steril*. 2012 Feb;97(2):509-15. Available from: PubMed; PMID 22154766

Vanky E, Nordskar JJ, Leithe H, Hjorth-Hansen AK, Martinussen M, Carlsen SM. Breast size increment during pregnancy and breastfeeding in mothers with polycystic ovary syndrome: a follow-up study of a randomised controlled trial on metformin versus placebo. *BJOG*. 2012 Oct;119(11):1403-9. Available from: PubMed; PMID 22827167

Wang Y, Sun Y, Qiu H. Expression of resistin mRNA in adipose tissue of rat model with polycystic ovarian syndrome and its implication. *J Huazhong Univ Sci Technol Med Sci*. 2004;24(6):621-4. Available from: PubMed; PMID 15791860

Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):311-30. Available from: PubMed; PMID 16772160

Witchel SF. Puberty and polycystic ovary syndrome. *Mol Cell Endocrinol*. 2006 Jul 25;254-255:146-53. Available from: PubMed; PMID 16750596

Xu N, Kwon S, Abbott DH, Geller DH, Dumesic DA, Azziz R, Guo X, Goodarzi MO. Epigenetic mechanism underlying the development of polycystic ovary syndrome (PCOS)-like phenotypes in prenatally androgenized rhesus monkeys. *PLoS One*. 2011;6(11):e27286. Available from: PubMed; PMID 22076147

## Early Phenotypes: Prepuberty Biomarkers

Allen HF, Mazzoni C, Heptulla RA, Murray MA, Miller N, Koenigs L, Reiter EO. Randomized controlled trial evaluating response to metformin versus standard therapy in the treatment of adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2005

- Aug;18(8):761-8. Available from: PubMed; PMID 16200842
- Amesse LS, Ding X, Pfaff-Amesse T. From HAIR-AN to eternity. *J Pediatr Adolesc Gynecol.* 2002 Aug;15(4):235-40. Available from: PubMed; PMID 12459231
- Ansarin H, Aziz-Jalali MH, Rasi A, Soltani-Arabshahi R. Clinical presentation and etiologic factors of hirsutism in premenopausal Iranian women. *Arch Iran Med.* 2007 Jan;10(1):7-13. Available from: PubMed; PMID 17198446
- Arslanian SA. Clamp techniques in paediatrics: what have we learned? *Horm Res.* 2005;64 Suppl 3:16-24. Available from: PubMed; PMID 16439840
- Barfield E, Liu YH, Kessler M, Pawelczak M, David R, Shah B. The prevalence of abnormal liver enzymes and metabolic syndrome in obese adolescent females with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2009 Oct;22(5):318-22. Available from: PubMed; PMID 19576817
- Battaglia C, Regnani G, Mancini F, Iughetti L, Bernasconi S, Volpe A, Flamigni C, Venturoli S. Isolated premature pubarche: ultrasonographic and color Doppler analysis--a longitudinal study. *J Clin Endocrinol Metab.* 2002 Jul;87(7):3148-54. Available from: PubMed; PMID 12107215
- Battaglia C, De Iaco P, Iughetti L, Mancini F, Persico N, Genazzani AD, Volpe A, de Aloysio D. Female precocious puberty, obesity and polycystic-like ovaries. *Ultrasound Obstet Gynecol.* 2005 Nov;26(6):651-7. Available from: PubMed; PMID 16254911
- Bekx MT, Connor EC, Allen DB. Characteristics of adolescents presenting to a multidisciplinary clinic for polycystic ovarian syndrome. *J Pediatr Adolesc Gynecol.* 2010 Feb;23(1):7-10. Available from: PubMed; PMID 19648034
- Betts T. Case reports. Seizure. 2001 Apr;10(3):229-34. Available from: PubMed; PMID 11437624
- Bhattacharya SM, Ghosh M. Insulin resistance and adolescent girls with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2010 Jun;23(3):158-61. Available from: PubMed; PMID 19963413
- Biro FM. Body morphology and its impact on adolescent and pediatric gynecology, with a special emphasis on polycystic ovary syndrome. *Curr Opin Obstet Gynecol.* 2003 Oct;15(5):347-51. Available from: PubMed; PMID 14501236
- Bloomgarden ZT. Second World Congress on the Insulin Resistance Syndrome: mediators, pediatric insulin resistance, the polycystic ovary syndrome, and malignancy. *Diabetes Care.* 2005 Jul;28(7):1821-30. Available from: PubMed; PMID 15983348
- Bremer AA. Polycystic ovary syndrome in the pediatric population. *Metab Syndr Relat Disord.* 2010 Oct;8(5):375-94. Available from: PubMed; PMID 20939704
- Bronstein J, Tawdekar S, Liu Y, Pawelczak M, David R, Shah B. Age of onset of polycystic ovarian syndrome in girls may be earlier than previously thought. *J Pediatr Adolesc Gynecol.* 2011 Feb;24(1):15-20. Available from: PubMed; PMID 21262477
- Burt Solorzano CM, McCartney CR, Blank SK, Knudsen KL, Marshall JC. Hyperandrogenaemia in adolescent girls: origins of abnormal gonadotropin-releasing hormone secretion. *BJOG.* 2010 Jan;117(2):143-9. Available from: PubMed; PMID 20002394
- Cetinkaya E, Ocal G, Berberoglu M, Adiyaman P. The risk of functional ovarian hyperandrogenism and polycystic ovary syndrome in patients with hyperandrogenism. *J Pediatr Endocrinol Metab.* 2003 Sep;16(7):1011-6. Available from: PubMed; PMID 14513878
- Chen X, Ni R, Mo Y, Li L, Yang D. Appropriate BMI levels for PCOS patients in Southern China. *Hum Reprod.* 2010 May;25(5):1295-302. Available from: PubMed; PMID 20172872
- Chiavaroli V, Liberati M, D'Antonio F, Masuccio F, Capanna R, Verrotti A, Chiarelli F, Mohn A. GNRH analog therapy in girls with early puberty is associated with the achievement of predicted final height but also with increased risk of polycystic ovary syndrome. *Eur J Endocrinol.* 2010 Jul;163(1):55-62. Available from: PubMed; PMID 20356934
- Coste O, Paris F, Galtier F, Letois F, Maimoun L, Sultan C. Polycystic ovary-like syndrome in adolescent competitive swimmers. *Fertil Steril.* 2011 Oct;96(4):1037-42. Available from: PubMed; PMID 21820653
- Crisosto N, Codner E, Maliqueo M, Echiburua B, Sanchez F, Cassorla F, Sir-Petermann T. Anti-Mullerian hormone levels in peripubertal daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Jul;92(7):2739-43. Available from: PubMed; PMID 17488788
- de Sousa G, Schluter B, Menke T, Trowitzsch E, Andler W, Reinehr T. A comparison of polysomnographic variables between adolescents with polycystic ovarian syndrome with and without the metabolic syndrome. *Metab Syndr Relat Disord.* 2011 Jun;9(3):191-6. Available from: PubMed; PMID 21352077
- de Vries L, Karasik A, Landau Z, Phillip M, Kiviti S, Goldberg-Stern H. Endocrine effects of valproate in adolescent girls with epilepsy. *Epilepsia.* 2007 Mar;48(3):470-7. Available from: PubMed; PMID 17326798
- Diamanti-Kandaraki E, Christakou C, Palioura E, Kandaraki E, Livadas S. Does polycystic ovary syndrome

- start in childhood? *Pediatr Endocrinol Rev.* 2008 Jun;5(4):904-11. Available from: PubMed; PMID 18552753
- Echiburru B, Perez-Bravo F, Maliqueo M, Ladron de Guevara A, Galvez C, Crisosto N, Sir-Petermann T. CAG repeat polymorphism of androgen receptor gene and X-chromosome inactivation in daughters of women with polycystic ovary syndrome (PCOS): relationship with endocrine and metabolic parameters. *Gynecol Endocrinol.* 2012 Jul;28(7):516-20. Available from: PubMed; PMID 22724574
- El-Khayat HA, Abd El-Basset FZ, Tomoum HY, Tohamy SM, Zaky AA, Mohamed MS, Hakky SM, El Barbary NS, Nassef NM. Physical growth and endocrinal disorders during pubertal maturation in girls with epilepsy. *Epilepsia.* 2004 Sep;45(9):1106-15. Available from: PubMed; PMID 15329076
- Fernandes AR, de Sa Rosa e Silva AC, Romao GS, Pata MC, dos Reis RM. Insulin resistance in adolescents with menstrual irregularities. *J Pediatr Adolesc Gynecol.* 2005 Aug;18(4):269-74. Available from: PubMed; PMID 16171731
- Franceschi R, Gaudino R, Marcolongo A, Gallo MC, Rossi L, Antoniazzi F, Tato L. Prevalence of polycystic ovary syndrome in young women who had idiopathic central precocious puberty. *Fertil Steril.* 2010 Mar 1;93(4):1185-91. Available from: PubMed; PMID 19135667
- Franks S. Polycystic ovary syndrome in adolescents. *Int J Obes (Lond).* 2008 Jul;32(7):1035-41. Available from: PubMed; PMID 18458678
- Fruzzetti F, Perini D, Lazzarini V, Parrini D, Genazzani AR. Adolescent girls with polycystic ovary syndrome showing different phenotypes have a different metabolic profile associated with increasing androgen levels. *Fertil Steril.* 2009 Aug;92(2):626-34. Available from: PubMed; PMID 18706545
- Glueck CJ, Morrison JA, Wang P. Insulin resistance, obesity, hypofibrinolysis, hyperandrogenism, and coronary heart disease risk factors in 25 pre-perimenarchal girls age < or =14 years, 13 with precocious puberty, 23 with a first-degree relative with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2008 Oct;21(10):973-84. Available from: PubMed; PMID 19209619
- Glueck CJ, Morrison JA, Daniels S, Wang P, Stroop D. Sex hormone-binding globulin, oligomenorrhea, polycystic ovary syndrome, and childhood insulin at age 14 years predict metabolic syndrome and class III obesity at age 24 years. *J Pediatr.* 2011 Aug;159(2):308-13 e2. Available from: PubMed; PMID 21362574
- Ibanez L, Valls C, Potau N, Marcos MV, de Zegher F. Polycystic ovary syndrome after precocious pubarche: ontogeny of the low-birthweight effect. *Clin Endocrinol (Oxf).* 2001 Nov;55(5):667-72. Available from: PubMed; PMID 11894979
- Ibanez L, Aulesa C, Potau N, Ong K, Dunger DB, de Zegher F. Plasminogen activator inhibitor-1 in girls with precocious pubarche: a premenarcheal marker for polycystic ovary syndrome? *Pediatr Res.* 2002 Feb;51(2):244-8. Available from: PubMed; PMID 11809921
- Ibanez L, Ong K, Ferrer A, Amin R, Dunger D, de Zegher F. Low-dose flutamide-metformin therapy reverses insulin resistance and reduces fat mass in nonobese adolescents with ovarian hyperandrogenism. *J Clin Endocrinol Metab.* 2003 Jun;88(6):2600-6. Available from: PubMed; PMID 12788862
- Ibanez L, Ferrer A, Ong K, Amin R, Dunger D, de Zegher F. Insulin sensitization early after menarche prevents progression from precocious pubarche to polycystic ovary syndrome. *J Pediatr.* 2004 Jan;144(1):23-9. Available from: PubMed; PMID 14722514
- Ibanez L, Valls C, Marcos MV, Ong K, Dunger DB, De Zegher F. Insulin sensitization for girls with precocious pubarche and with risk for polycystic ovary syndrome: effects of prepubertal initiation and postpubertal discontinuation of metformin treatment. *J Clin Endocrinol Metab.* 2004 Sep;89(9):4331-7. Available from: PubMed; PMID 15356029
- Ibanez L, Jaramillo A, Enriquez G, Miro E, Lopez-Bermejo A, Dunger D, de Zegher F. Polycystic ovaries after precocious pubarche: relation to prenatal growth. *Hum Reprod.* 2007 Feb;22(2):395-400. Available from: PubMed; PMID 17062583
- Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab.* 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811
- Isojarvi JI, Tauboll E, Tapanainen JS, Pakarinen AJ, Laatikainen TJ, Knip M, Myllyla VV. On the association between valproate and polycystic ovary syndrome: a response and an alternative view. *Epilepsia.* 2001 Mar;42(3):305-10. Available from: PubMed; PMID 11442144
- Jason J. Polycystic ovary syndrome in the United States: clinical visit rates, characteristics, and associated health care costs. *Arch Intern Med.* 2011 Jul 11;171(13):1209-11. Available from: PubMed; PMID 21747019
- Kanmaz-Ozer M, Vural P, Dogru-Abbasoglu S, Gedikbasi A, Cil E, Karadag B, Uysal M. Polymorphisms of vascular cell adhesion molecule1 (VCAM1) in polycystic ovary syndrome determined by quantitative real-time polymerase chain reaction and melting curve analysis. *Eur J Obstet*

Gynecol Reprod Biol. 2012 Feb;160(2):174-8. Available from: PubMed; PMID 22137570

Kent SC, Gnatuk CL, Kunselman AR, Demers LM, Lee PA, Legro RS. Hyperandrogenism and hyperinsulinism in children of women with polycystic ovary syndrome: a controlled study. *J Clin Endocrinol Metab.* 2008 May;93(5):1662-9. Available from: PubMed; PMID 18270257

Kidson WJ. Insulin levels in polycystic ovary syndrome: a valuable tool. *Med J Aust.* 2007 Mar 5;186(5):269; author reply 71-2. Available from: PubMed; PMID 17391095

Knudsen KL, Blank SK, Burt Solorzano C, Patrie JT, Chang RJ, Caprio S, Marshall JC, McCartney CR. Hyperandrogenemia in obese peripubertal girls: correlates and potential etiological determinants. *Obesity (Silver Spring).* 2010 Nov;18(11):2118-24. Available from: PubMed; PMID 20339367

Lass N, Kleber M, Winkel K, Wunsch R, Reinehr T. Effect of lifestyle intervention on features of polycystic ovarian syndrome, metabolic syndrome, and intima-media thickness in obese adolescent girls. *J Clin Endocrinol Metab.* 2011 Nov;96(11):3533-40. Available from: PubMed; PMID 21880803

Lazaro I, Diaz M, Cabre A, Masana L, Ibanez L. Fatty acid-binding protein-4 plasma levels are associated to metabolic abnormalities and response to therapy in girls and young women with androgen excess. *Gynecol Endocrinol.* 2011 Nov;27(11):935-9. Available from: PubMed; PMID 21605000

Leibel NI, Baumann EE, Kocherginsky M, Rosenfield RL. Relationship of adolescent polycystic ovary syndrome to parental metabolic syndrome. *J Clin Endocrinol Metab.* 2006 Apr;91(4):1275-83. Available from: PubMed; PMID 16449341

Lewy VD, Danadian K, Witchel SF, Arslanian S. Early metabolic abnormalities in adolescent girls with polycystic ovarian syndrome. *J Pediatr.* 2001 Jan;138(1):38-44. Available from: PubMed; PMID 11148510

Littlejohn EE, Weiss RE, Deplewski D, Edidin DV, Rosenfield R. Intractable early childhood obesity as the initial sign of insulin resistant hyperinsulinism and precursor of polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2007 Jan;20(1):41-51. Available from: PubMed; PMID 17315528

Lungu AO, Zadeh ES, Goodling A, Cochran E, Gorden P. Insulin resistance is a sufficient basis for hyperandrogenism in lipodystrophic women with polycystic ovarian syndrome. *J Clin Endocrinol Metab.* 2012 Feb;97(2):563-7. Available from: PubMed; PMID 22090274

Maliqueo M, Sir-Petermann T, Perez V, Echiburu B, de Guevara AL, Galvez C, Crisosto N, Azziz R. Adrenal function during childhood and puberty in daughters of

women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Sep;94(9):3282-8. Available from: PubMed; PMID 19567527

Maliqueo M, Galgani JE, Perez-Bravo F, Echiburu B, de Guevara AL, Crisosto N, Sir-Petermann T. Relationship of serum adipocyte-derived proteins with insulin sensitivity and reproductive features in pre-pubertal and pubertal daughters of polycystic ovary syndrome women. *Eur J Obstet Gynecol Reprod Biol.* 2012 Mar;161(1):56-61. Available from: PubMed; PMID 22277163

Manlove HA, Guillermo C, Gray PB. Do women with polycystic ovary syndrome (PCOS) report differences in sex-typed behavior as children and adolescents?: Results of a pilot study. *Ann Hum Biol.* 2008 Nov-Dec;35(6):584-95. Available from: PubMed; PMID 18720090

Miller RJ, Xanthakos SA, Hillard PJ, Inge TH. Bariatric surgery and adolescent gynecology. *Curr Opin Obstet Gynecol.* 2007 Oct;19(5):427-33. Available from: PubMed; PMID 17885457

Mortensen M, Rosenfield RL, Littlejohn E. Functional significance of polycystic-size ovaries in healthy adolescents. *J Clin Endocrinol Metab.* 2006 Oct;91(10):3786-90. Available from: PubMed; PMID 16895960

Mortensen M, Ehrmann DA, Littlejohn E, Rosenfield RL. Asymptomatic volunteers with a polycystic ovary are a functionally distinct but heterogeneous population. *J Clin Endocrinol Metab.* 2009 May;94(5):1579-86. Available from: PubMed; PMID 19240158

Muolokwu E, Sanchez J, Bercaw JL, Sangi-Haghpeykar H, Banszek T, Brandt ML, Dietrich JE. Paratubal cysts, obesity, and hyperandrogenism. *J Pediatr Surg.* 2011 Nov;46(11):2164-7. Available from: PubMed; PMID 22075351

Musso C, Cochran E, Moran SA, Skarulis MC, Oral EA, Taylor S, Gorden P. Clinical course of genetic diseases of the insulin receptor (type A and Rabson-Mendenhall syndromes): a 30-year prospective. *Medicine (Baltimore).* 2004 Jul;83(4):209-22. Available from: PubMed; PMID 15232309

Nader S. Adrenarche and polycystic ovary syndrome: a tale of two hypotheses. *J Pediatr Adolesc Gynecol.* 2007 Dec;20(6):353-60. Available from: PubMed; PMID 18082857

Noordam C, Dhir V, McNelis JC, Schlereth F, Hanley NA, Krone N, Smeitink JA, Smeets R, Sweep FC, Claahsen-van der Grinten HL, Arlt W. Inactivating PAPSS2 mutations in a patient with premature pubarche. *N Engl J Med.* 2009 May 28;360(22):2310-8. Available from: PubMed; PMID 19474428

- Norman RJ, Wu R, Stankiewicz MT. 4: Polycystic ovary syndrome. *Med J Aust.* 2004 Feb 2;180(3):132-7. Available from: PubMed; PMID 14748678
- Nur MM, Newman IM, Siqueira LM. Glucose metabolism in overweight Hispanic adolescents with and without polycystic ovary syndrome. *Pediatrics.* 2009 Sep;124(3):e496-502. Available from: PubMed; PMID 19706563
- Oberfield SE, Sopher AB, Gerken AT. Approach to the girl with early onset of pubic hair. *J Clin Endocrinol Metab.* 2011 Jun;96(6):1610-22. Available from: PubMed; PMID 21602454
- Ojaniemi M, Tapanainen P, Morin-Papunen L. Management of polycystic ovary syndrome in childhood and adolescence. *Horm Res Paediatr.* 2010;74(5):372-5. Available from: PubMed; PMID 20861609
- Recabarren SE, Sir-Petermann T, Rios R, Maliqueo M, Echiburu B, Smith R, Rojas-Garcia P, Recabarren M, Rey RA. Pituitary and testicular function in sons of women with polycystic ovary syndrome from infancy to adulthood. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3318-24. Available from: PubMed; PMID 18544620
- Recabarren SE, Smith R, Rios R, Maliqueo M, Echiburu B, Codner E, Cassorla F, Rojas P, Sir-Petermann T. Metabolic profile in sons of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 May;93(5):1820-6. Available from: PubMed; PMID 18230657
- Rosenfield RL, Ghai K, Ehrmann DA, Barnes RB. Diagnosis of the polycystic ovary syndrome in adolescence: comparison of adolescent and adult hyperandrogenism. *J Pediatr Endocrinol Metab.* 2000;13 Suppl 5:1285-9. Available from: PubMed; PMID 11117671
- Rossi B, Sukalich S, Droz J, Griffin A, Cook S, Blumkin A, Guzick DS, Hoeger KM. Prevalence of metabolic syndrome and related characteristics in obese adolescents with and without polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Dec;93(12):4780-6. Available from: PubMed; PMID 18812482
- Sawathiparnich P, Weerakulwattana L, Santiprabhob J, Likitmaskul S. Obese adolescent girls with polycystic ovary syndrome (PCOS) have more severe insulin resistance measured by HOMA-IR score than obese girls without PCOS. *J Med Assoc Thai.* 2005 Nov;88 Suppl 8:S33-7. Available from: PubMed; PMID 16856423
- Shah B, Golden E, Milla S. Unilateral ovarian enlargement in adolescents with polycystic ovary syndrome: a variant of bilateral disease. *J Pediatr Endocrinol Metab.* 2010 Jan-Feb;23(1-2):87-95. Available from: PubMed; PMID 20432811
- Shah B, Parnell L, Milla S, Kessler M, David R. Endometrial thickness, uterine, and ovarian ultrasonographic features in adolescents with polycystic ovarian syndrome. *J Pediatr Adolesc Gynecol.* 2010 Jun;23(3):146-52. Available from: PubMed; PMID 19733099
- Shayya R, Chang RJ. Reproductive endocrinology of adolescent polycystic ovary syndrome. *BJOG.* 2010 Jan;117(2):150-5. Available from: PubMed; PMID 20002395
- Siklar Z, Ocal G, Adiyaman P, Ergur A, Berberoglu M. Functional ovarian hyperandrogenism and polycystic ovary syndrome in prepubertal girls with obesity and/or premature pubarche. *J Pediatr Endocrinol Metab.* 2007 Apr;20(4):475-81. Available from: PubMed; PMID 17550211
- Silfen ME, Manibo AM, Ferin M, McMahon DJ, Levine LS, Oberfield SE. Elevated free IGF-I levels in prepubertal Hispanic girls with premature adrenarche: relationship with hyperandrogenism and insulin sensitivity. *J Clin Endocrinol Metab.* 2002 Jan;87(1):398-403. Available from: PubMed; PMID 11788683
- Silfen ME, Denburg MR, Manibo AM, Lobo RA, Jaffe R, Ferin M, Levine LS, Oberfield SE. Early endocrine, metabolic, and sonographic characteristics of polycystic ovary syndrome (PCOS): comparison between nonobese and obese adolescents. *J Clin Endocrinol Metab.* 2003 Oct;88(10):4682-8. Available from: PubMed; PMID 14557441
- Siow Y, Kives S, Hertweck P, Perlman S, Fallat ME. Serum Mullerian-inhibiting substance levels in adolescent girls with normal menstrual cycles or with polycystic ovary syndrome. *Fertil Steril.* 2005 Oct;84(4):938-44. Available from: PubMed; PMID 16213847
- Sir-Petermann T, Codner E, Maliqueo M, Echiburu B, Hitschfeld C, Crisosto N, Perez-Bravo F, Recabarren SE, Cassorla F. Increased anti-Mullerian hormone serum concentrations in prepubertal daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 Aug;91(8):3105-9. Available from: PubMed; PMID 16720659
- Sir-Petermann T, Maliqueo M, Codner E, Echiburu B, Crisosto N, Perez V, Perez-Bravo F, Cassorla F. Early metabolic derangements in daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Dec;92(12):4637-42. Available from: PubMed; PMID 17848407
- Sir-Petermann T, Ladron de Guevara A, Codner E, Preisler J, Crisosto N, Echiburu B, Maliqueo M, Sanchez F, Perez-Bravo F, Cassorla F. Relationship between anti-Mullerian hormone (AMH) and insulin levels during different tanner stages in daughters of women with polycystic ovary syndrome. *Reprod Sci.* 2012 Apr;19(4):383-90. Available from: PubMed; PMID 22344736
- Styne DM. Review of the 2nd Annual World Congress on the Insulin Resistance Syndrome. *J Pediatr Endocrinol*

Metab. 2005 Jul;18(7):723-6. Available from: PubMed; PMID 16128250

Styne DM. The 4th International Congress on the Insulin Resistance Syndrome. *Pediatr Endocrinol Rev.* 2007 Jun;4(4):358-61. Available from: PubMed; PMID 17643084

Vanwinter JT. Do changes associated with polycystic ovary syndrome begin before menarche? *J Pediatr Adolesc Gynecol.* 2006 Jun;19(3):215-7. Available from: PubMed; PMID 16731417

Zukauskaitė S, Seibokaite A, Lasas L, Lasiene D, Urbonaite B, Kiesylyte J. Serum hormone levels and anthropometric characteristics in girls with hyperandrogenism. *Medicina (Kaunas).* 2005;41(4):305-12. Available from: PubMed; PMID 15864003

## Obesity Prior to Puberty

Alemzadeh R, Kichler J, Calhoun M. Spectrum of metabolic dysfunction in relationship with hyperandrogenemia in obese adolescent girls with polycystic ovary syndrome. *Eur J Endocrinol.* 2010 Jun;162(6):1093-9. Available from: PubMed; PMID 20371657

Allen HF, Mazzoni C, Heptulla RA, Murray MA, Miller N, Koenigs L, Reiter EO. Randomized controlled trial evaluating response to metformin versus standard therapy in the treatment of adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2005 Aug;18(8):761-8. Available from: PubMed; PMID 16200842

Allen G, Safranek S. FPIN's clinical inquiries. Secondary causes of obesity. *Am Fam Physician.* 2011 Apr 15;83(8):972-3. Available from: PubMed; PMID 21524038

Ansarin H, Aziz-Jalali MH, Rasi A, Soltani-Arabshahi R. Clinical presentation and etiologic factors of hirsutism in premenopausal Iranian women. *Arch Iran Med.* 2007 Jan;10(1):7-13. Available from: PubMed; PMID 17198446

Arslanian SA. Clamp techniques in paediatrics: what have we learned? *Horm Res.* 2005;64 Suppl 3:16-24. Available from: PubMed; PMID 16439840

Barfield E, Liu YH, Kessler M, Pawelczak M, David R, Shah B. The prevalence of abnormal liver enzymes and metabolic syndrome in obese adolescent females with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2009 Oct;22(5):318-22. Available from: PubMed; PMID 19576817

Battaglia C, De Iaco P, Iughetti L, Mancini F, Persico N, Genazzani AD, Volpe A, de Aloysio D. Female precocious

puberty, obesity and polycystic-like ovaries. *Ultrasound Obstet Gynecol.* 2005 Nov;26(6):651-7. Available from: PubMed; PMID 16254911

Bideci A, Camurdan MO, Yesilkaya E, Demirel F, Cinaz P. Serum ghrelin, leptin and resistin levels in adolescent girls with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2008 Aug;34(4):578-84. Available from: PubMed; PMID 18937712

Biro FM. Body morphology and its impact on adolescent and pediatric gynecology, with a special emphasis on polycystic ovary syndrome. *Curr Opin Obstet Gynecol.* 2003 Oct;15(5):347-51. Available from: PubMed; PMID 14501236

Broder-Fingert S, Shah B, Kessler M, Pawelczak M, David R. Evaluation of adolescents for polycystic ovary syndrome in an urban population. *J Clin Res Pediatr Endocrinol.* 2009;1(4):188-93. Available from: PubMed; PMID 21274294

Bronstein J, Tawdekar S, Liu Y, Pawelczak M, David R, Shah B. Age of onset of polycystic ovarian syndrome in girls may be earlier than previously thought. *J Pediatr Adolesc Gynecol.* 2011 Feb;24(1):15-20. Available from: PubMed; PMID 21262477

Bruni V, Dei M, Nannini S, Balzi D, Nuvolone D. Polycystic ovary syndrome in adolescence. *Ann N Y Acad Sci.* 2010 Sep;1205:175-84. Available from: PubMed; PMID 20840270

Buggs C, Rosenfield RL. Polycystic ovary syndrome in adolescence. *Endocrinol Metab Clin North Am.* 2005 Sep;34(3):677-705, x. Available from: PubMed; PMID 16085166

Burt Solorzano CM, Beller JP, Abshire MY, Collins JS, McCartney CR, Marshall JC. Neuroendocrine dysfunction in polycystic ovary syndrome. *Steroids.* 2012 Mar 10;77(4):332-7. Available from: PubMed; PMID 22172593

Cekmez F, Cekmez Y, Pirgon O, Canpolat FE, Aydinov S, Metin Ipcioglu O, Karademir F. Evaluation of new adipocytokines and insulin resistance in adolescents with polycystic ovary syndrome. *Eur Cytokine Netw.* 2011 Mar;22(1):32-7. Available from: PubMed; PMID 21411410

Connor EL. Adolescent polycystic ovary syndrome. *Adolesc Med State Art Rev.* 2012 Apr;23(1):164-77, xii. Available from: PubMed; PMID 22764561

Coviello AD, Legro RS, Dunaif A. Adolescent girls with polycystic ovary syndrome have an increased risk of the metabolic syndrome associated with increasing androgen levels independent of obesity and insulin resistance. *J Clin Endocrinol Metab.* 2006 Feb;91(2):492-7. Available from: PubMed; PMID 16249280

Cupisti S, Dittrich R, Binder H, Kajaia N, Hoffmann I, Maltaris T, Beckmann MW, Mueller A. Influence of body

mass index on measured and calculated androgen parameters in adult women with Hirsutism and PCOS. *Exp Clin Endocrinol Diabetes*. 2007 Jun;115(6):380-6. Available from: PubMed; PMID 17701884

De Leo V, Musacchio MC, Morgante G, Piomboni P, Petraglia F. Metformin treatment is effective in obese teenage girls with PCOS. *Hum Reprod*. 2006 Sep;21(9):2252-6. Available from: PubMed; PMID 16785260

de Sousa G, Schluter B, Buschatz D, Menke T, Trowitzsch E, Andler W, Reinehr T. A comparison of polysomnographic variables between obese adolescents with polycystic ovarian syndrome and healthy, normal-weight and obese adolescents. *Sleep Breath*. 2010 Feb;14(1):33-8. Available from: PubMed; PMID 19585163

de Sousa G, Schluter B, Menke T, Trowitzsch E, Andler W, Reinehr T. A comparison of polysomnographic variables between adolescents with polycystic ovarian syndrome with and without the metabolic syndrome. *Metab Syndr Relat Disord*. 2011 Jun;9(3):191-6. Available from: PubMed; PMID 21352077

de Sousa G, Schluter B, Menke T, Trowitzsch E, Andler W, Reinehr T. Relationships between polysomnographic variables, parameters of glucose metabolism, and serum androgens in obese adolescents with polycystic ovarian syndrome. *J Sleep Res*. 2011 Sep;20(3):472-8. Available from: PubMed; PMID 21199038

de Sousa G, Schluter B, Buschatz D, Menke T, Trowitzsch E, Andler W, Reinehr T. The impact of insulin resistance and hyperandrogenemia on polysomnographic variables in obese adolescents with polycystic ovarian syndrome. *Sleep Breath*. 2012 Mar;16(1):169-75. Available from: PubMed; PMID 21221823

de Vries L, Karasik A, Landau Z, Phillip M, Kiviti S, Goldberg-Stern H. Endocrine effects of valproate in adolescent girls with epilepsy. *Epilepsia*. 2007 Mar;48(3):470-7. Available from: PubMed; PMID 17326798

de Zegher F, Ibanez L. Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S4-5. Available from: PubMed; PMID 16798286

Dean HJ, Sellers EA. Type 2 diabetes, polycystic ovary syndrome and the insulin resistance syndrome in adolescents: Are they one big iceberg? *Paediatr Child Health*. 2002 May;7(5):333-6. Available from: PubMed; PMID 20046314

Demirel F, Bideci A, Cinaz P, Camurdan MO, Biberoglu G, Yesilkaya E, Hasanoglu A. Serum leptin, oxidized low density lipoprotein and plasma asymmetric dimethylarginine levels and their relationship with dyslipidaemia in adolescent girls with polycystic ovary

syndrome. *Clin Endocrinol (Oxf)*. 2007 Jul;67(1):129-34. Available from: PubMed; PMID 17465999

Douchi T, Oki T, Yamasaki H, Nakae M, Imabayashi A, Nagata Y. Body fat patterning in polycystic ovary syndrome women as a predictor of the response to clomiphene. *Acta Obstet Gynecol Scand*. 2004 Sep;83(9):838-41. Available from: PubMed; PMID 15315595

Driscoll DA. Polycystic ovary syndrome in adolescence. *Semin Reprod Med*. 2003 Aug;21(3):301-7. Available from: PubMed; PMID 14593553

Eleftheriadou M, Michala L, Stefanidis K, Iliadis I, Lykeridou A, Antsaklis A. Exercise and sedentary habits among adolescents with PCOS. *J Pediatr Adolesc Gynecol*. 2012 Jun;25(3):172-4. Available from: PubMed; PMID 22260889

El-Khayat HA, Abd El-Basset FZ, Tomoum HY, Tohamy SM, Zaky AA, Mohamed MS, Hakky SM, El Barbary NS, Nassef NM. Physical growth and endocrinal disorders during pubertal maturation in girls with epilepsy. *Epilepsia*. 2004 Sep;45(9):1106-15. Available from: PubMed; PMID 15329076

Flannery CA, Rackow B, Cong X, Duran E, Selen DJ, Burgert TS. Polycystic ovary syndrome in adolescence: impaired glucose tolerance occurs across the spectrum of BMI. *Pediatr Diabetes*. 2012 Aug 28. Available from: PubMed; PMID 22925367

Forrester-Dumont K, Galescu O, Kolesnikov A, Raissouni N, Bhangoo A, Ten S, Suss A. Hyperandrogenism Does Not Influence Metabolic Parameters in Adolescent Girls with PCOS. *Int J Endocrinol*. 2012;2012:434830. Available from: PubMed; PMID 22536232

Franks S. Adult polycystic ovary syndrome begins in childhood. *Best Pract Res Clin Endocrinol Metab*. 2002 Jun;16(2):263-72. Available from: PubMed; PMID 12064892

Franks S. Polycystic ovary syndrome in adolescents. *Int J Obes (Lond)*. 2008 Jul;32(7):1035-41. Available from: PubMed; PMID 18458678

Fruzzetti F, Perini D, Lazzarini V, Parrini D, Genazzani AR. Hyperandrogenemia influences the prevalence of the metabolic syndrome abnormalities in adolescents with the polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 May;25(5):335-43. Available from: PubMed; PMID 19903040

Fulghesu A, Magnini R, Portoghese E, Angioni S, Minerba L, Melis GB. Obesity-related lipid profile and altered insulin incretion in adolescents with polycystic ovary syndrome. *J Adolesc Health*. 2010 May;46(5):474-81. Available from: PubMed; PMID 20413084



- Fulghesu AM, Sanna F, Uda S, Magnini R, Portoghese E, Batetta B. IL-6 serum levels and production is related to an altered immune response in polycystic ovary syndrome girls with insulin resistance. *Mediators Inflamm*. 2011;2011:389317. Available from: PubMed; PMID 21547256
- Galli-Tsinopoulou A, Moudiou T, Mamopoulos A, Karamouzis M, Nousia-Arvanitakis S. Multifollicular ovaries in female adolescents with cystic fibrosis. *Fertil Steril*. 2006 May;85(5):1484-7. Available from: PubMed; PMID 16600228
- Gambineri A, Pelusi C, Manicardi E, Vicennati V, Cacciari M, Morselli-Labate AM, Pagotto U, Pasquali R. Glucose intolerance in a large cohort of mediterranean women with polycystic ovary syndrome: phenotype and associated factors. *Diabetes*. 2004 Sep;53(9):2353-8. Available from: PubMed; PMID 15331545
- Garcia-Rudaz MC, Ropelato MG, Escobar ME, Veldhuis JD, Barontini M. Amplified and orderly growth hormone secretion characterizes lean adolescents with polycystic ovary syndrome. *Eur J Endocrinol*. 2002 Aug;147(2):207-16. Available from: PubMed; PMID 12153742
- Geller DH, Pacaud D, Gordon CM, Misra M. State of the Art Review: Emerging Therapies: The Use of Insulin Sensitizers in the Treatment of Adolescents with Polycystic Ovary Syndrome (PCOS). *Int J Pediatr Endocrinol*. 2011;2011:9. Available from: PubMed; PMID 21899727
- Glueck CJ, Streicher P, Wang P. Treatment of polycystic ovary syndrome with insulin-lowering agents. *Expert Opin Pharmacother*. 2002 Aug;3(8):1177-89. Available from: PubMed; PMID 12150695
- Glueck CJ, Morrison JA, Friedman LA, Goldenberg N, Stroop DM, Wang P. Obesity, free testosterone, and cardiovascular risk factors in adolescents with polycystic ovary syndrome and regularly cycling adolescents. *Metabolism*. 2006 Apr;55(4):508-14. Available from: PubMed; PMID 16546482
- Glueck CJ, Morrison JA, Wang P. Insulin resistance, obesity, hypofibrinolysis, hyperandrogenism, and coronary heart disease risk factors in 25 pre-perimenarchal girls age < or =14 years, 13 with precocious puberty, 23 with a first-degree relative with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2008 Oct;21(10):973-84. Available from: PubMed; PMID 19209619
- Glueck CJ, Morrison JA, Daniels S, Wang P, Stroop D. Sex hormone-binding globulin, oligomenorrhea, polycystic ovary syndrome, and childhood insulin at age 14 years predict metabolic syndrome and class III obesity at age 24 years. *J Pediatr*. 2011 Aug;159(2):308-13 e2. Available from: PubMed; PMID 21362574
- Guttman-Bauman I. Approach to adolescent polycystic ovary syndrome (PCOS) in the pediatric endocrine community in the U.S.A. *J Pediatr Endocrinol Metab*. 2005 May;18(5):499-506. Available from: PubMed; PMID 15921180
- Guven A, Ozgen T, Aliyazicioglu Y. Adiponectin and resistin concentrations after glucose load in adolescents with polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 Jan;26(1):30-8. Available from: PubMed; PMID 19639497
- Harwood K, Vuguin P, DiMartino-Nardi J. Current approaches to the diagnosis and treatment of polycystic ovarian syndrome in youth. *Horm Res*. 2007;68(5):209-17. Available from: PubMed; PMID 17426408
- Hashemipour M, Faghihmani S, Zolfaghary B, Hovsepian S, Ahmadi F, Haghghi S. Prevalence of polycystic ovary syndrome in girls aged 14-18 years in Isfahan, Iran. *Horm Res*. 2004;62(6):278-82. Available from: PubMed; PMID 15523185
- Hoeger K, Davidson K, Kochman L, Cherry T, Kopin L, Guzik DS. The impact of metformin, oral contraceptives, and lifestyle modification on polycystic ovary syndrome in obese adolescent women in two randomized, placebo-controlled clinical trials. *J Clin Endocrinol Metab*. 2008 Nov;93(11):4299-306. Available from: PubMed; PMID 18728175
- Hsia Y, Dawoud D, Sutcliffe AG, Viner RM, Kinra S, Wong IC. Unlicensed use of metformin in children and adolescents in the UK. *Br J Clin Pharmacol*. 2012 Jan;73(1):135-9. Available from: PubMed; PMID 21762204
- Hwang JY, Lee EJ, Jin Go M, Sung YA, Lee HJ, Heon Kwak S, Jang HC, Soo Park K, Lee HJ, Byul Jang H, Song J, Park KH, Kim HL, Cho MC, Lee JY. Genome-wide association study identifies GYS2 as a novel genetic factor for polycystic ovary syndrome through obesity-related condition. *J Hum Genet*. 2012 Oct;57(10):660-4. Available from: PubMed; PMID 22951595
- Ibanez L, Aulesa C, Potau N, Ong K, Dunger DB, de Zegher F. Plasminogen activator inhibitor-1 in girls with precocious pubarche: a premenarcheal marker for polycystic ovary syndrome? *Pediatr Res*. 2002 Feb;51(2):244-8. Available from: PubMed; PMID 11809921
- Ibanez L, de Zegher F. Ethinylestradiol-drospirenone, flutamide-metformin, or both for adolescents and women with hyperinsulinemic hyperandrogenism: opposite effects on adipocytokines and body adiposity. *J Clin Endocrinol Metab*. 2004 Apr;89(4):1592-7. Available from: PubMed; PMID 15070917
- Jeffrey Chang R, Coffler MS. Polycystic ovary syndrome: early detection in the adolescent. *Clin Obstet Gynecol*. 2007 Mar;50(1):178-87. Available from: PubMed; PMID 17304035
- Kanmaz-Ozer M, Vural P, Dogru-Abbasoglu S, Gedikbasi A, Cil E, Karadag B, Uysal M. Polymorphisms of vascular

- cell adhesion molecule1 (VCAM1) in polycystic ovary syndrome determined by quantitative real-time polymerase chain reaction and melting curve analysis. *Eur J Obstet Gynecol Reprod Biol.* 2012 Feb;160(2):174-8. Available from: PubMed; PMID 22137570
- Knudsen KL, Blank SK, Burt Solorzano C, Patrie JT, Chang RJ, Caprio S, Marshall JC, McCartney CR. Hyperandrogenemia in obese peripubertal girls: correlates and potential etiological determinants. *Obesity (Silver Spring).* 2010 Nov;18(11):2118-24. Available from: PubMed; PMID 20339367
- Kousta E. Premature adrenarche leads to polycystic ovary syndrome? Long-term consequences. *Ann N Y Acad Sci.* 2006 Dec;1092:148-57. Available from: PubMed; PMID 17308141
- La Marca A, Artensio AC, Stabile G, Volpe A. Metformin treatment of PCOS during adolescence and the reproductive period. *Eur J Obstet Gynecol Reprod Biol.* 2005 Jul 1;121(1):3-7. Available from: PubMed; PMID 15941616
- Lass N, Kleber M, Winkel K, Wunsch R, Reinehr T. Effect of lifestyle intervention on features of polycystic ovarian syndrome, metabolic syndrome, and intima-media thickness in obese adolescent girls. *J Clin Endocrinol Metab.* 2011 Nov;96(11):3533-40. Available from: PubMed; PMID 21880803
- Lazaro I, Diaz M, Cabre A, Masana L, Ibanez L. Fatty acid-binding protein-4 plasma levels are associated to metabolic abnormalities and response to therapy in girls and young women with androgen excess. *Gynecol Endocrinol.* 2011 Nov;27(11):935-9. Available from: PubMed; PMID 21605000
- Legro RS. Detection of insulin resistance and its treatment in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2002 Dec;15 Suppl 5:1367-78. Available from: PubMed; PMID 12510993
- Leibel NI, Baumann EE, Kocherginsky M, Rosenfield RL. Relationship of adolescent polycystic ovary syndrome to parental metabolic syndrome. *J Clin Endocrinol Metab.* 2006 Apr;91(4):1275-83. Available from: PubMed; PMID 16449341
- Lewy VD, Danadian K, Witchel SF, Arslanian S. Early metabolic abnormalities in adolescent girls with polycystic ovarian syndrome. *J Pediatr.* 2001 Jan;138(1):38-44. Available from: PubMed; PMID 11148510
- Littlejohn EE, Weiss RE, Deplewski D, Edidin DV, Rosenfield R. Intractable early childhood obesity as the initial sign of insulin resistant hyperinsulinism and precursor of polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2007 Jan;20(1):41-51. Available from: PubMed; PMID 17315528
- Marshall JC. Obesity in adolescent girls: is excess androgen the real bad actor? *J Clin Endocrinol Metab.* 2006 Feb;91(2):393-5. Available from: PubMed; PMID 16461952
- Mastorakos G, Lambrinoudaki I, Creatas G. Polycystic ovary syndrome in adolescents: current and future treatment options. *Paediatr Drugs.* 2006;8(5):311-8. Available from: PubMed; PMID 17037948
- McClanahan KK, Omar HA. Navigating adolescence with a chronic health condition: a perspective on the psychological effects of HAIR-AN syndrome on adolescent girls. *ScientificWorldJournal.* 2006;6:1350-8. Available from: PubMed; PMID 17072487
- McGee WK, Bishop CV, Bahar A, Pohl CR, Chang RJ, Marshall JC, Pau FK, Stouffer RL, Cameron JL. Elevated androgens during puberty in female rhesus monkeys lead to increased neuronal drive to the reproductive axis: a possible component of polycystic ovary syndrome. *Hum Reprod.* 2012 Feb;27(2):531-40. Available from: PubMed; PMID 22114112
- Miller RJ, Xanthakos SA, Hillard PJ, Inge TH. Bariatric surgery and adolescent gynecology. *Curr Opin Obstet Gynecol.* 2007 Oct;19(5):427-33. Available from: PubMed; PMID 17885457
- Muolokwu E, Sanchez J, Bercaw JL, Sangi-Haghepeykar H, Banszek T, Brandt ML, Dietrich JE. Paratubal cysts, obesity, and hyperandrogenism. *J Pediatr Surg.* 2011 Nov;46(11):2164-7. Available from: PubMed; PMID 22075351
- Musso C, Cochran E, Moran SA, Skarulis MC, Oral EA, Taylor S, Gorden P. Clinical course of genetic diseases of the insulin receptor (type A and Rabson-Mendenhall syndromes): a 30-year prospective. *Medicine (Baltimore).* 2004 Jul;83(4):209-22. Available from: PubMed; PMID 15232309
- Nandalike K, Agarwal C, Strauss T, Coupey SM, Isasi CR, Sin S, Arens R. Sleep and cardiometabolic function in obese adolescent girls with polycystic ovary syndrome. *Sleep Med.* 2012 Aug 23. Available from: PubMed; PMID 22921588
- Nazir F, Tasleem H, Tasleem S, Sher Z, Waheed K. Polycystic ovaries in adolescent girls from Rawalpindi. *J Pak Med Assoc.* 2011 Oct;61(10):961-3. Available from: PubMed; PMID 22356026
- Noczynska A, Wasikowa R. Hyperprolactinemia in children during the peripubertal period--personal observations. *J Pediatr Endocrinol Metab.* 2004 Oct;17(10):1399-404. Available from: PubMed; PMID 15526718
- Norman RJ, Wu R, Stankiewicz MT. 4: Polycystic ovary syndrome. *Med J Aust.* 2004 Feb 2;180(3):132-7. Available from: PubMed; PMID 14748678

- Nur MM, Newman IM, Siqueira LM. Glucose metabolism in overweight Hispanic adolescents with and without polycystic ovary syndrome. *Pediatrics*. 2009 Sep;124(3):e496-502. Available from: PubMed; PMID 19706563
- Ojaniemi M, Tapanainen P, Morin-Papunen L. Management of polycystic ovary syndrome in childhood and adolescence. *Horm Res Paediatr*. 2010;74(5):372-5. Available from: PubMed; PMID 20861609
- Oliveira A, Sampaio B, Teixeira A, Castro-Correia C, Fontoura M, Luis Medina J. Polycystic ovary syndrome: challenges in adolescence. *Endocrinol Nutr*. 2010 Aug-Sep;57(7):328-36. Available from: PubMed; PMID 20708160
- Ornstein RM, Copperman NM, Jacobson MS. Effect of weight loss on menstrual function in adolescents with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2011 Jun;24(3):161-5. Available from: PubMed; PMID 21419674
- Orsino A, Van Eyk N, Hamilton J. Clinical features, investigations and management of adolescents with polycystic ovary syndrome. *Paediatr Child Health*. 2005 Dec;10(10):602-8. Available from: PubMed; PMID 19668673
- Ozgen IT, Aydin M, Guven A, Aliyazicioglu Y. Characteristics of polycystic ovarian syndrome and relationship with ghrelin in adolescents. *J Pediatr Adolesc Gynecol*. 2010 Oct;23(5):285-9. Available from: PubMed; PMID 20537572
- Peacock A, Alvi NS, Mushtaq T. Period problems: disorders of menstruation in adolescents. *Arch Dis Child*. 2012 Jun;97(6):554-60. Available from: PubMed; PMID 20576661
- Pfeifer SM. Polycystic ovary syndrome in adolescent girls. *Semin Pediatr Surg*. 2005 May;14(2):111-7. Available from: PubMed; PMID 15846568
- Pinhas-Hamiel O, Singer S, Pilpel N, Koren I, Boyko V, Hemi R, Pariente C, Kanety H. Adiponectin levels in adolescent girls with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2009 Dec;71(6):823-7. Available from: PubMed; PMID 19389110
- Rachmiel M, Kives S, Atenafu E, Hamilton J. Primary amenorrhea as a manifestation of polycystic ovarian syndrome in adolescents: a unique subgroup? *Arch Pediatr Adolesc Med*. 2008 Jun;162(6):521-5. Available from: PubMed; PMID 18524741
- Rachon D, Teede H. Ovarian function and obesity--interrelationship, impact on women's reproductive lifespan and treatment options. *Mol Cell Endocrinol*. 2010 Mar 25;316(2):172-9. Available from: PubMed; PMID 19818376
- Rofey DL, Szigethy EM, Noll RB, Dahl RE, Lobst E, Arslanian SA. Cognitive-behavioral therapy for physical and emotional disturbances in adolescents with polycystic ovary syndrome: a pilot study. *J Pediatr Psychol*. 2009 Mar;34(2):156-63. Available from: PubMed; PMID 18556675
- Rosenfield RL. Clinical review: Identifying children at risk for polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Mar;92(3):787-96. Available from: PubMed; PMID 17179197
- Rossi B, Sukalich S, Droz J, Griffin A, Cook S, Blumkin A, Guzik DS, Hoeger KM. Prevalence of metabolic syndrome and related characteristics in obese adolescents with and without polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Dec;93(12):4780-6. Available from: PubMed; PMID 18812482
- Sanders EB, Aston CE, Ferrell RE, Witchel SF. Inter- and intrafamilial variability in premature pubarche and polycystic ovary syndrome. *Fertil Steril*. 2002 Sep;78(3):473-8. Available from: PubMed; PMID 12215320
- Sawathiparnich P, Weerakulwattana L, Santiprabhob J, Likitmaskul S. Obese adolescent girls with polycystic ovary syndrome (PCOS) have more severe insulin resistance measured by HOMA-IR score than obese girls without PCOS. *J Med Assoc Thai*. 2005 Nov;88 Suppl 8:S33-7. Available from: PubMed; PMID 16856423
- Shi Y, Guo M, Yan J, Sun W, Zhang X, Geng L, Xu L, Chen Z. Analysis of clinical characteristics in large-scale Chinese women with polycystic ovary syndrome. *Neuro Endocrinol Lett*. 2007 Dec;28(6):807-10. Available from: PubMed; PMID 18063948
- Siklar Z, Ocal G, Adiyaman P, Ergur A, Berberoglu M. Functional ovarian hyperandrogenism and polycystic ovary syndrome in prepubertal girls with obesity and/or premature pubarche. *J Pediatr Endocrinol Metab*. 2007 Apr;20(4):475-81. Available from: PubMed; PMID 17550211
- Silfen ME, Manibo AM, Ferin M, McMahon DJ, Levine LS, Oberfield SE. Elevated free IGF-I levels in prepubertal Hispanic girls with premature adrenarche: relationship with hyperandrogenism and insulin sensitivity. *J Clin Endocrinol Metab*. 2002 Jan;87(1):398-403. Available from: PubMed; PMID 11788683
- Silfen ME, Denburg MR, Manibo AM, Lobo RA, Jaffe R, Ferin M, Levine LS, Oberfield SE. Early endocrine, metabolic, and sonographic characteristics of polycystic ovary syndrome (PCOS): comparison between nonobese and obese adolescents. *J Clin Endocrinol Metab*. 2003 Oct;88(10):4682-8. Available from: PubMed; PMID 14557441

Stanley T, Misra M. Polycystic ovary syndrome in obese adolescents. *Curr Opin Endocrinol Diabetes Obes.* 2008 Feb;15(1):30-6. Available from: PubMed; PMID 18185060

Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology.* 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266

Tafeit E, Moller R, Rackl S, Giuliani A, Urdl W, Freytag U, Crailsheim K, Sudi K, Horejsi R. Subcutaneous adipose tissue pattern in lean and obese women with polycystic ovary syndrome. *Exp Biol Med (Maywood).* 2003 Jun;228(6):710-6. Available from: PubMed; PMID 12773703

Tfayli H, Arslanian S. Menstrual health and the metabolic syndrome in adolescents. *Ann N Y Acad Sci.* 2008;1135:85-94. Available from: PubMed; PMID 18574212

To WW, Wong MW. A comparison of bone mineral density in normal weight and obese adolescents with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2012 Aug;25(4):248-53. Available from: PubMed; PMID 22840935

Trent M, Austin SB, Rich M, Gordon CM. Overweight status of adolescent girls with polycystic ovary syndrome: body mass index as mediator of quality of life. *Ambul Pediatr.* 2005 Mar-Apr;5(2):107-11. Available from: PubMed; PMID 15780012

Upadhyia K, Trent M. Effects of polycystic ovary syndrome on health-related quality of life. *Expert Rev Pharmacoecon Outcomes Res.* 2007 Dec;7(6):597-603. Available from: PubMed; PMID 20528321

Villarroel C, Merino PM, Lopez P, Eyzaguirre FC, Van Velzen A, Iniguez G, Codner E. Polycystic ovarian morphology in adolescents with regular menstrual cycles is associated with elevated anti-Mullerian hormone. *Hum Reprod.* 2011 Oct;26(10):2861-8. Available from: PubMed; PMID 21784736

Vural B, Caliskan E, Turkoz E, Kilic T, Demirci A. Evaluation of metabolic syndrome frequency and premature carotid atherosclerosis in young women with polycystic ovary syndrome. *Hum Reprod.* 2005 Sep;20(9):2409-13. Available from: PubMed; PMID 15919774

Yoo RY, Sirlin CB, Gottschalk M, Chang RJ. Ovarian imaging by magnetic resonance in obese adolescent girls with polycystic ovary syndrome: a pilot study. *Fertil Steril.* 2005 Oct;84(4):985-95. Available from: PubMed; PMID 16213854

Zachurzok-Buczynska A, Szydowski L, Gawlik A, Wilk K, Malecka-Tendera E. Blood pressure regulation and

resting heart rate abnormalities in adolescent girls with polycystic ovary syndrome. *Fertil Steril.* 2011 Dec;96(6):1519-25. Available from: PubMed; PMID 22032814

## Animal Models

Abbott DH, Dumesic DA, Franks S. Developmental origin of polycystic ovary syndrome - a hypothesis. *J Endocrinol.* 2002 Jul;174(1):1-5. Available from: PubMed; PMID 12098657

Abbott DH, Barnett DK, Bruns CM, Dumesic DA. Androgen excess fetal programming of female reproduction: a developmental aetiology for polycystic ovary syndrome? *Hum Reprod Update.* 2005 Jul-Aug;11(4):357-74. Available from: PubMed; PMID 15941725

Abbott DH, Barnett DK, Levine JE, Padmanabhan V, Dumesic DA, Jacoris S, Tarantal AF. Endocrine antecedents of polycystic ovary syndrome in fetal and infant prenatally androgenized female rhesus monkeys. *Biol Reprod.* 2008 Jul;79(1):154-63. Available from: PubMed; PMID 18385445

Abbott DH, Zhou R, Bird IM, Dumesic DA, Conley AJ. Fetal programming of adrenal androgen excess: lessons from a nonhuman primate model of polycystic ovary syndrome. *Endocr Dev.* 2008;13:145-58. Available from: PubMed; PMID 18493139

Abbott DH, Tarantal AF, Dumesic DA. Fetal, infant, adolescent and adult phenotypes of polycystic ovary syndrome in prenatally androgenized female rhesus monkeys. *Am J Primatol.* 2009 Sep;71(9):776-84. Available from: PubMed; PMID 19367587

Abbott DH, Bruns CR, Barnett DK, Dunaif A, Goodfriend TL, Dumesic DA, Tarantal AF. Experimentally induced gestational androgen excess disrupts glucoregulation in rhesus monkey dams and their female offspring. *Am J Physiol Endocrinol Metab.* 2010 Nov;299(5):E741-51. Available from: PubMed; PMID 20682841

Abramovich D, Irusta G, Bas D, Cataldi NI, Parborell F, Tesone M. Angiopoietins/TIE2 system and VEGF are involved in ovarian function in a DHEA rat model of polycystic ovary syndrome. *Endocrinology.* 2012 Jul;153(7):3446-56. Available from: PubMed; PMID 22577112

Allemand MC, Irving BA, Asmann YW, Klaus KA, Tatpati L, Coddington CC, Nair KS. Effect of testosterone on insulin stimulated IRS1 Ser phosphorylation in primary rat myotubes--a potential model for PCOS-related insulin resistance. *PLoS One.* 2009;4(1):e4274. Available from: PubMed; PMID 19169352

- Bas D, Abramovich D, Hernandez F, Tesone M. Altered expression of Bcl-2 and Bax in follicles within dehydroepiandrosterone-induced polycystic ovaries in rats. *Cell Biol Int*. 2011 May;35(5):423-9. Available from: PubMed; PMID 21062263
- Beloosesky R, Gold R, Almog B, Sasson R, Dantes A, Land-Bracha A, Hirsh L, Itskovitz-Eldor J, Lessing JB, Homburg R, Amsterdam A. Induction of polycystic ovary by testosterone in immature female rats: Modulation of apoptosis and attenuation of glucose/insulin ratio. *Int J Mol Med*. 2004 Aug;14(2):207-15. Available from: PubMed; PMID 15254767
- Bernuci MP, Szawka RE, Helena CV, Leite CM, Lara HE, Anselmo-Franci JA. Locus coeruleus mediates cold stress-induced polycystic ovary in rats. *Endocrinology*. 2008 Jun;149(6):2907-16. Available from: PubMed; PMID 18308852
- Bruns CM, Baum ST, Colman RJ, Dumesic DA, Eisner JR, Jensen MD, Whigham LD, Abbott DH. Prenatal androgen excess negatively impacts body fat distribution in a nonhuman primate model of polycystic ovary syndrome. *Int J Obes (Lond)*. 2007 Oct;31(10):1579-85. Available from: PubMed; PMID 17471299
- Calogero AE, Calabro V, Catanuso M, Condorelli RA, La Vignera S. Understanding polycystic ovarian syndrome pathogenesis: an updated of its genetic aspects. *J Endocrinol Invest*. 2011 Sep;34(8):630-44. Available from: PubMed; PMID 21606667
- Chapman JC, Min SH, Freeh SM, Michael SD. The estrogen-injected female mouse: new insight into the etiology of PCOS. *Reprod Biol Endocrinol*. 2009;7:47. Available from: PubMed; PMID 19450261
- da Silva BB, Lopes-Costa PV, Rosal MA, Pires CG, dos Santos LG, Gontijo JA, Alencar AP, de Jesus Simoes M. Morphological and morphometric analysis of the adrenal cortex of androgenized female rats. *Gynecol Obstet Invest*. 2007;64(1):44-8. Available from: PubMed; PMID 17259713
- Dikmen A, Ergenoglu AM, Yeniel AO, Dilsiz OY, Ercan G, Yilmaz H. Evaluation of glycemic and oxidative/antioxidative status in the estradiol valerate-induced PCOS model of rats. *Eur J Obstet Gynecol Reprod Biol*. 2012 Jan;160(1):55-9. Available from: PubMed; PMID 22071112
- Dissen GA, Garcia-Rudaz C, Paredes A, Mayer C, Mayerhofer A, Ojeda SR. Excessive ovarian production of nerve growth factor facilitates development of cystic ovarian morphology in mice and is a feature of polycystic ovarian syndrome in humans. *Endocrinology*. 2009 Jun;150(6):2906-14. Available from: PubMed; PMID 19264868
- Dumesic DA, Schramm RD, Abbott DH. Early origins of polycystic ovary syndrome. *Reprod Fertil Dev*. 2005;17(3):349-60. Available from: PubMed; PMID 15745643
- Dumesic DA, Abbott DH, Padmanabhan V. Polycystic ovary syndrome and its developmental origins. *Rev Endocr Metab Disord*. 2007 Jun;8(2):127-41. Available from: PubMed; PMID 17659447
- Dzienis A, Majewski M, Wojtkiewicz J, Piskula M, Jana B. Adrenergic innervation and steroidogenic activity of cystic porcine ovaries. *Rocz Akad Med Bialymst*. 2004;49 Suppl 1:114-6. Available from: PubMed; PMID 15638392
- Elia E, Vighi S, Lombardi E, Motta AB. Detrimental effects of hyperandrogenism on uterine functions. *Int Immunopharmacol*. 2008 Dec 20;8(13-14):1827-34. Available from: PubMed; PMID 18817896
- Elia EM, Belgorosky D, Faut M, Vighi S, Pustovrh C, Luigi D, Motta AB. The effects of metformin on uterine tissue of hyperandrogenized BALB/c mice. *Mol Hum Reprod*. 2009 Jul;15(7):421-32. Available from: PubMed; PMID 19482906
- Feng Y, Shao R, Weijdegard B, Wang T, Johansson J, Sun S, Wang W, Eggecioglu E, Billig H, Stener-Victorin E. Effects of androgen and leptin on behavioral and cellular responses in female rats. *Horm Behav*. 2011 Sep;60(4):427-38. Available from: PubMed; PMID 21819988
- Feng Y, Johansson J, Shao R, Manneras-Holm L, Billig H, Stener-Victorin E. Electrical and manual acupuncture stimulation affect oestrous cyclicity and neuroendocrine function in an  $\alpha$ -dihydrotestosterone-induced rat polycystic ovary syndrome model. *Exp Physiol*. 2012 May;97(5):651-62. Available from: PubMed; PMID 22337865
- Forsdike RA, Hardy K, Bull L, Stark J, Webber LJ, Stubbs S, Robinson JE, Franks S. Disordered follicle development in ovaries of prenatally androgenized ewes. *J Endocrinol*. 2007 Feb;192(2):421-8. Available from: PubMed; PMID 17283242
- Franks S. Do animal models of polycystic ovary syndrome help to understand its pathogenesis and management? Yes, but their limitations should be recognized. *Endocrinology*. 2009 Sep;150(9):3983-5. Available from: PubMed; PMID 19700609
- Franks S. Animal models and the developmental origins of polycystic ovary syndrome: increasing evidence for the role of androgens in programming reproductive and metabolic dysfunction. *Endocrinology*. 2012 Jun;153(6):2536-8. Available from: PubMed; PMID 22610962
- Henmi H, Endo T, Nagasawa K, Hayashi T, Chida M, Akutagawa N, Iwasaki M, Kitajima Y, Kiya T, Nishikawa A, Manase K, Kudo R. Lysyl oxidase and MMP-2 expression in dehydroepiandrosterone-induced polycystic

- ovary in rats. *Biol Reprod.* 2001 Jan;64(1):157-62. Available from: PubMed; PMID 11133670
- Hogg K, Young JM, Oliver EM, Souza CJ, McNeilly AS, Duncan WC. Enhanced thecal androgen production is prenatally programmed in an ovine model of polycystic ovary syndrome. *Endocrinology.* 2012 Jan;153(1):450-61. Available from: PubMed; PMID 22087026
- Honma H, Endo T, Henmi H, Nagasawa K, Baba T, Yamazaki K, Kitajima Y, Hayashi T, Manase K, Saito T. Altered expression of Fas/Fas ligand/caspase 8 and membrane type 1-matrix metalloproteinase in atretic follicles within dehydroepiandrosterone-induced polycystic ovaries in rats. *Apoptosis.* 2006 Sep;11(9):1525-33. Available from: PubMed; PMID 16820958
- Johansson J, Feng Y, Shao R, Lonn M, Billig H, Stener-Victorin E. Intense electroacupuncture normalizes insulin sensitivity, increases muscle GLUT4 content, and improves lipid profile in a rat model of polycystic ovary syndrome. *Am J Physiol Endocrinol Metab.* 2010 Oct;299(4):E551-9. Available from: PubMed; PMID 20663984
- Kafali H, Iriadam M, Ozardali I, Demir N. Letrozole-induced polycystic ovaries in the rat: a new model for cystic ovarian disease. *Arch Med Res.* 2004 Mar-Apr;35(2):103-8. Available from: PubMed; PMID 15010188
- Keller J, Mandala M, Casson P, Osol G. Endothelial dysfunction in a rat model of PCOS: evidence of increased vasoconstrictor prostanoid activity. *Endocrinology.* 2011 Dec;152(12):4927-36. Available from: PubMed; PMID 22028445
- Kero JT, Savontaus E, Mikola M, Pesonen U, Koulu M, Keri RA, Nilson JH, Poutanen M, Huhtaniemi IT. Obesity in transgenic female mice with constitutively elevated luteinizing hormone secretion. *Am J Physiol Endocrinol Metab.* 2003 Oct;285(4):E812-8. Available from: PubMed; PMID 12773309
- Kim SH, Lee HJ, Kim JS, Moon C, Kim JC, Bae CS, Park HR, Jung U, Jo SK. HemoHIM improves ovarian morphology and decreases expression of nerve growth factor in rats with steroid-induced polycystic ovaries. *J Med Food.* 2009 Dec;12(6):1348-52. Available from: PubMed; PMID 20041792
- King AJ, Olivier NB, Mohankumar PS, Lee JS, Padmanabhan V, Fink GD. Hypertension caused by prenatal testosterone excess in female sheep. *Am J Physiol Endocrinol Metab.* 2007 Jun;292(6):E1837-41. Available from: PubMed; PMID 17327368
- Lagace DC, Nachtigal MW. Valproic acid fails to induce polycystic ovary syndrome in female rats. *Prog Neuropsychopharmacol Biol Psychiatry.* 2003 Jun;27(4):587-94. Available from: PubMed; PMID 12787843
- Lakhani K, Yang W, Dooley A, El-Mahdi E, Sundaresan M, McLellan S, Bruckdorfer R, Leonard A, Seifalian A, Hardiman P. Aortic function is compromised in a rat model of polycystic ovary syndrome. *Hum Reprod.* 2006 Mar;21(3):651-6. Available from: PubMed; PMID 16311293
- Legro RS. The genetics of obesity. Lessons for polycystic ovary syndrome. *Ann N Y Acad Sci.* 2000;900:193-202. Available from: PubMed; PMID 10818406
- Li Q, Huang DM, Lu FE, Xie Y, Xu LJ, Zou X, Gong D, Wang ZS. Effects of Bushen Tongmai Recipe on protein kinase B $\alpha$  expression in polycystic ovary rats with insulin resistance. *Chin J Integr Med.* 2010 Aug;16(4):324-30. Available from: PubMed; PMID 20697943
- Lundon KM, Jayo MJ, Register TC, Dumitriu M, Grynbas MD. The effect of androstenedione/estrone supplementation on cortical and cancellous bone in the young intact female monkey: a model for the effects of polycystic ovarian disease on the skeleton? *Osteoporos Int.* 2000;11(9):778-89. Available from: PubMed; PMID 11210841
- Ma RJ, Zhou J, Fang JQ, Yang DH, Qu F. Combination of acupuncture and chinese medicinal herbs in treating model rats with polycystic ovary syndrome. *Afr J Tradit Complement Altern Med.* 2011;8(4):353-61. Available from: PubMed; PMID 22654211
- Manneras L, Cajander S, Holmang A, Seleskovic Z, Lystig T, Lonn M, Stener-Victorin E. A new rat model exhibiting both ovarian and metabolic characteristics of polycystic ovary syndrome. *Endocrinology.* 2007 Aug;148(8):3781-91. Available from: PubMed; PMID 17495003
- Manneras L, Jonsdottir IH, Holmang A, Lonn M, Stener-Victorin E. Low-frequency electro-acupuncture and physical exercise improve metabolic disturbances and modulate gene expression in adipose tissue in rats with dihydrotestosterone-induced polycystic ovary syndrome. *Endocrinology.* 2008 Jul;149(7):3559-68. Available from: PubMed; PMID 18388196
- Manneras L, Cajander S, Lonn M, Stener-Victorin E. Acupuncture and exercise restore adipose tissue expression of sympathetic markers and improve ovarian morphology in rats with dihydrotestosterone-induced PCOS. *Am J Physiol Regul Integr Comp Physiol.* 2009 Apr;296(4):R1124-31. Available from: PubMed; PMID 19158405
- Manneras L, Fazliana M, Wan Nazaimoon WM, Lonn M, Gu HF, Ostenson CG, Stener-Victorin E. Beneficial metabolic effects of the Malaysian herb *Labisia pumila* var. *alata* in a rat model of polycystic ovary syndrome. *J Ethnopharmacol.* 2010 Feb 3;127(2):346-51. Available from: PubMed; PMID 19883744
- Manni L, Cajander S, Lundeberg T, Naylor AS, Aloe L, Holmang A, Jonsdottir IH, Stener-Victorin E. Effect of

- exercise on ovarian morphology and expression of nerve growth factor and alpha(1)- and beta(2)-adrenergic receptors in rats with steroid-induced polycystic ovaries. *J Neuroendocrinol.* 2005 Dec;17(12):846-58. Available from: PubMed; PMID 16280032
- Manni L, Holmang A, Lundeberg T, Aloe L, Stener-Victorin E. Ovarian expression of alpha (1)- and beta (2)-adrenoceptors and p75 neurotrophin receptors in rats with steroid-induced polycystic ovaries. *Auton Neurosci.* 2005 Mar 31;118(1-2):79-87. Available from: PubMed; PMID 15795180
- McCartney CR. Maturation of sleep-wake gonadotrophin-releasing hormone secretion across puberty in girls: potential mechanisms and relevance to the pathogenesis of polycystic ovary syndrome. *J Neuroendocrinol.* 2010 Jul;22(7):701-9. Available from: PubMed; PMID 20492363
- McGee WK, Bishop CV, Bahar A, Pohl CR, Chang RJ, Marshall JC, Pau FK, Stouffer RL, Cameron JL. Elevated androgens during puberty in female rhesus monkeys lead to increased neuronal drive to the reproductive axis: a possible component of polycystic ovary syndrome. *Hum Reprod.* 2012 Feb;27(2):531-40. Available from: PubMed; PMID 22114112
- Miao ZL, Guo L, Wang YX, Cui R, Yang N, Huang MQ, Qin WB, Chen J, Li HM, Wang ZN, Wei XC. The intervention effect of Rosiglitazone in ovarian fibrosis of PCOS rats. *Biomed Environ Sci.* 2012 Feb;25(1):46-52. Available from: PubMed; PMID 22424626
- Misugi T, Ozaki K, El Beltagy K, Tokuyama O, Honda K, Ishiko O. Insulin-lowering agents inhibit synthesis of testosterone in ovaries of DHEA-induced PCOS rats. *Gynecol Obstet Invest.* 2006;61(4):208-15. Available from: PubMed; PMID 16479139
- Morales-Ledesma L, Linares R, Rosas G, Moran C, Chavira R, Cardenas M, Dominguez R. Unilateral sectioning of the superior ovarian nerve of rats with polycystic ovarian syndrome restores ovulation in the innervated ovary. *Reprod Biol Endocrinol.* 2010;8:99. Available from: PubMed; PMID 20723258
- Motta AB. Dehydroepiandrosterone to induce murine models for the study of polycystic ovary syndrome. *J Steroid Biochem Mol Biol.* 2010 Apr;119(3-5):105-11. Available from: PubMed; PMID 20188831
- Pak SC, Lim SC, Nah SY, Lee J, Hill JA, Bae CS. Role of Korean red ginseng total saponins in rat infertility induced by polycystic ovaries. *Fertil Steril.* 2005 Oct;84 Suppl 2:1139-43. Available from: PubMed; PMID 16210005
- Pak SC, Kim SE, Oh DM, Shim KM, Jeong MJ, Lim SC, Nah SY, Park SH, Kang SS, Moon CJ, Kim JC, Kim SH, Bae CS. Effect of Korean red ginseng extract in a steroid-induced polycystic ovary murine model. *Arch Pharm Res.* 2009 Mar;32(3):347-52. Available from: PubMed; PMID 19387577
- Pakrasi PL, Tiwari A. Ovulation induction by antiestrogens in an Indian tropical vespertilionid bat, *Scotophilus heathi*. *Life Sci.* 2006 Nov 2;79(23):2217-20. Available from: PubMed; PMID 16934298
- Park E, Cockrem JF, Han KH, Kim DH, Jung MH, Chu JP. Stress-induced activation of ovarian heat shock protein 90 in a rat model of polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2012 Feb;38(2):396-407. Available from: PubMed; PMID 22176470
- Parra C, Fiedler JL, Luna SL, Greiner M, Padmanabhan V, Lara HE. Participation of vasoactive intestinal polypeptide in ovarian steroids production during the rat estrous cycle and in the development of estradiol valerate-induced polycystic ovary. *Reproduction.* 2007 Jan;133(1):147-54. Available from: PubMed; PMID 17244741
- Priyadarshani A. Relevance of an opioid, nospapine in reducing cystogenesis in rat experimental model of polycystic ovary syndrome. *J Endocrinol Invest.* 2009 Nov;32(10):837-43. Available from: PubMed; PMID 19609106
- Qureshi AI, Nussey SS, Bano G, Musonda P, Whitehead SA, Mason HD. Testosterone selectively increases primary follicles in ovarian cortex grafted onto embryonic chick membranes: relevance to polycystic ovaries. *Reproduction.* 2008 Aug;136(2):187-94. Available from: PubMed; PMID 18456904
- Restuccia DF, Hynx D, Hemmings BA. Loss of PKBbeta/Akt2 predisposes mice to ovarian cyst formation and increases the severity of polycystic ovary formation in vivo. *Dis Model Mech.* 2012 May;5(3):403-11. Available from: PubMed; PMID 22275470
- Roland AV, Nunemaker CS, Keller SR, Moenter SM. Prenatal androgen exposure programs metabolic dysfunction in female mice. *J Endocrinol.* 2010 Nov;207(2):213-23. Available from: PubMed; PMID 20713501
- Salveti NR, Gimeno EJ, Lorente JA, Ortega HH. Expression of cytoskeletal proteins in the follicular wall of induced ovarian cysts. *Cells Tissues Organs.* 2004;178(2):117-25. Available from: PubMed; PMID 15604534
- Sander V, Luchetti CG, Solano ME, Elia E, Di Girolamo G, Gonzalez C, Motta AB. Role of the N, N'-dimethylbiguanide metformin in the treatment of female prepuberal BALB/c mice hyperandrogenized with dehydroepiandrosterone. *Reproduction.* 2006 Mar;131(3):591-602. Available from: PubMed; PMID 16514202
- Sara L, Antal P, Masszi G, Buday A, Horvath EM, Hamar P, Monos E, Nadasy GL, Varbiro S. Arteriolar insulin resistance in a rat model of polycystic ovary syndrome.

Fertil Steril. 2012 Feb;97(2):462-8. Available from: PubMed; PMID 22154764

Sara L, Nadasy G, Antal P, Szekeres M, Monori-Kiss A, Horvath EM, Tokes AM, Masszi G, Monos E, Varbiro S. Arteriolar biomechanics in a rat polycystic ovary syndrome model - effects of parallel vitamin D3 treatment. *Acta Physiol Hung*. 2012 Sep;99(3):279-88. Available from: PubMed; PMID 22982716

Selimoglu H, Duran C, Kiyici S, Ersoy C, Guclu M, Ozkaya G, Tuncel E, Erturk E, Imamoglu S. The effect of vitamin D replacement therapy on insulin resistance and androgen levels in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2010 Apr;33(4):234-8. Available from: PubMed; PMID 19820295

Shi D, Dyck MK, Uwiera RR, Russell JC, Proctor SD, Vine DF. A unique rodent model of cardiometabolic risk associated with the metabolic syndrome and polycystic ovary syndrome. *Endocrinology*. 2009 Sep;150(9):4425-36. Available from: PubMed; PMID 19470707

Shi D, Vine DF. Animal models of polycystic ovary syndrome: a focused review of rodent models in relationship to clinical phenotypes and cardiometabolic risk. *Fertil Steril*. 2012 Jul;98(1):185-93. Available from: PubMed; PMID 22607890

Singh KB. Persistent estrus rat models of polycystic ovary disease: an update. *Fertil Steril*. 2005 Oct;84 Suppl 2:1228-34. Available from: PubMed; PMID 16210015

Skrtic A, Sokolic L, Borovecki A, Rosa J, Fenzl V. Immunohistochemical localization of CD31, NOTCH1 and JAGGED1 proteins in experimentally induced polycystic ovaries of immature rats. *Acta Histochem*. 2011 May;113(3):262-9. Available from: PubMed; PMID 19932502

Solano ME, Sander VA, Ho H, Motta AB, Arck PC. Systemic inflammation, cellular influx and up-regulation of ovarian VCAM-1 expression in a mouse model of polycystic ovary syndrome (PCOS). *J Reprod Immunol*. 2011 Dec;92(1-2):33-44. Available from: PubMed; PMID 22018827

Sozen I, Arici A. Hyperinsulinism and its interaction with hyperandrogenism in polycystic ovary syndrome. *Obstet Gynecol Surv*. 2000 May;55(5):321-8. Available from: PubMed; PMID 10804539

Stener-Victorin E, Lundeberg T, Waldenstrom U, Manni L, Aloe L, Gunnarsson S, Janson PO. Effects of electro-acupuncture on nerve growth factor and ovarian morphology in rats with experimentally induced polycystic ovaries. *Biol Reprod*. 2000 Nov;63(5):1497-503. Available from: PubMed; PMID 11058557

Stener-Victorin E, Lundeberg T, Cajander S, Aloe L, Manni L, Waldenstrom U, Janson PO. Steroid-induced polycystic ovaries in rats: effect of electro-acupuncture on

concentrations of endothelin-1 and nerve growth factor (NGF), and expression of NGF mRNA in the ovaries, the adrenal glands, and the central nervous system. *Reprod Biol Endocrinol*. 2003 Apr 8;1:33. Available from: PubMed; PMID 12725645

Stener-Victorin E, Kobayashi R, Watanabe O, Lundeberg T, Kurosawa M. Effect of electro-acupuncture stimulation of different frequencies and intensities on ovarian blood flow in anaesthetized rats with steroid-induced polycystic ovaries. *Reprod Biol Endocrinol*. 2004 Mar 26;2:16. Available from: PubMed; PMID 15046638

Stener-Victorin E, Jedel E, Manneras L. Acupuncture in polycystic ovary syndrome: current experimental and clinical evidence. *J Neuroendocrinol*. 2008 Mar;20(3):290-8. Available from: PubMed; PMID 18047551

Styne DM. The 4th International Congress on the Insulin Resistance Syndrome. *Pediatr Endocrinol Rev*. 2007 Jun;4(4):358-61. Available from: PubMed; PMID 17643084

Tamura N, Kurabayashi T, Nagata H, Matsushita H, Yahata T, Tanaka K. Effects of testosterone on cancellous bone, marrow adipocytes, and ovarian phenotype in a young female rat model of polycystic ovary syndrome. *Fertil Steril*. 2005 Oct;84 Suppl 2:1277-84. Available from: PubMed; PMID 16210021

Tang XH, Cao YL, Yang ZX, Zhao FX. Reproductive traits of polycystic ovary syndrome in female rhesus monkeys. *Dongwuxue Yanjiu*. 2012 Feb;33(1):37-42. Available from: PubMed; PMID 22345006

van Houten EL, Kramer P, McLuskey A, Karels B, Themmen AP, Visser JA. Reproductive and metabolic phenotype of a mouse model of PCOS. *Endocrinology*. 2012 Jun;153(6):2861-9. Available from: PubMed; PMID 22334715

Veiga-Lopez A, Ye W, Padmanabhan V. Developmental programming: prenatal testosterone excess disrupts anti-Mullerian hormone expression in preantral and antral follicles. *Fertil Steril*. 2012 Mar;97(3):748-56. Available from: PubMed; PMID 22245531

Velazquez MA, Hadelér KG, Herrmann D, Kues WA, Ulbrich SE, Meyer HH, Remy B, Beckers JF, Sauerwein H, Niemann H. In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. *Reproduction*. 2011 Jul;142(1):41-52. Available from: PubMed; PMID 21543511

Velazquez MA, Herrmann D, Kues WA, Niemann H. Increased apoptosis in bovine blastocysts exposed to high levels of IGF1 is not associated with downregulation of the IGF1 receptor. *Reproduction*. 2011 Jan;141(1):91-103. Available from: PubMed; PMID 20926690



Walters KA, Allan CM, Handelsman DJ. Rodent models for human polycystic ovary syndrome. *Biol Reprod*. 2012;86(5):149, 1-12. Available from: PubMed; PMID 22337333

Wang Y, Sun Y, Qiu H. Expression of resistin mRNA in adipose tissue of rat model with polycystic ovarian syndrome and its implication. *J Huazhong Univ Sci Technolog Med Sci*. 2004;24(6):621-4. Available from: PubMed; PMID 15791860

Wilson-Perez HE, Seeley RJ. The effect of vertical sleeve gastrectomy on a rat model of polycystic ovarian syndrome. *Endocrinology*. 2011 Oct;152(10):3700-5. Available from: PubMed; PMID 21810946

Wu XY, Li ZL, Wu CY, Liu YM, Lin H, Wang SH, Xiao WF. Endocrine traits of polycystic ovary syndrome in prenatally androgenized female Sprague-Dawley rats. *Endocr J*. 2010;57(3):201-9. Available from: PubMed; PMID 20057162

Yanes LL, Romero DG, Moulana M, Lima R, Davis DD, Zhang H, Lockhart R, Racusen LC, Reckelhoff JF. Cardiovascular-renal and metabolic characterization of a rat model of polycystic ovary syndrome. *Gend Med*. 2011 Apr;8(2):103-15. Available from: PubMed; PMID 21536229

Zangeneh FZ, Abdollahi A, Tavassoli P, Naghizadeh MM. The effect of cold stress on polycystic ovary syndrome in rat: before and during modeling. *Arch Gynecol Obstet*. 2011 Sep;284(3):651-7. Available from: PubMed; PMID 20949356

Zangeneh FZ, Mohammadi A, Ejtemaeimehr S, Naghizadeh MM, Fatemeh A. The role of opioid system and its interaction with sympathetic nervous system in the processing of polycystic ovary syndrome modeling in rat. *Arch Gynecol Obstet*. 2011 Apr;283(4):885-92. Available from: PubMed; PMID 21132313

Zhai HL, Wu H, Xu H, Weng P, Xia FZ, Chen Y, Lu YL. Trace glucose and lipid metabolism in high androgen and high-fat diet induced polycystic ovary syndrome rats. *Reprod Biol Endocrinol*. 2012;10:5. Available from: PubMed; PMID 22276997

Zhang J, Zhu G, Wang X, Xu B, Hu L. Apoptosis and expression of protein TRAIL in granulosa cells of rats with polycystic ovarian syndrome. *J Huazhong Univ Sci Technolog Med Sci*. 2007 Jun;27(3):311-4. Available from: PubMed; PMID 17641850

Zhou R, Bird IM, Dumesic DA, Abbott DH. Adrenal hyperandrogenism is induced by fetal androgen excess in a rhesus monkey model of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Dec;90(12):6630-7. Available from: PubMed; PMID 16174719

Zhou H, Ohno N, Terada N, Saitoh S, Naito I, Ohno S. Permselectivity of blood follicle barriers in mouse ovaries

of the mifepristone-induced polycystic ovary model revealed by in vivo cryotechnique. *Reproduction*. 2008 Nov;136(5):599-610. Available from: PubMed; PMID 18719066

Zhu JQ, Zhu L, Liang XW, Xing FQ, Schatten H, Sun QY. Demethylation of LHR in dehydroepiandrosterone-induced mouse model of polycystic ovary syndrome. *Mol Hum Reprod*. 2010 Apr;16(4):260-6. Available from: PubMed; PMID 19828691

Zurvarra FM, Salvetti NR, Mason JI, Velazquez MM, Alfaro NS, Ortega HH. Disruption in the expression and immunolocalisation of steroid receptors and steroidogenic enzymes in letrozole-induced polycystic ovaries in rat. *Reprod Fertil Dev*. 2009;21(7):827-39. Available from: PubMed; PMID 19698287

## Cell Based Modeling

Apparao KB, Lovely LP, Gui Y, Lininger RA, Lessey BA. Elevated endometrial androgen receptor expression in women with polycystic ovarian syndrome. *Biol Reprod*. 2002 Feb;66(2):297-304. Available from: PubMed; PMID 11804942

Chen H, Guo JH, Lu YC, Ding GL, Yu MK, Tsang LL, Fok KL, Liu XM, Zhang XH, Chung YW, Huang P, Huang H, Chan HC. Impaired CFTR-dependent amplification of FSH-stimulated estrogen production in cystic fibrosis and PCOS. *J Clin Endocrinol Metab*. 2012 Mar;97(3):923-32. Available from: PubMed; PMID 22170719

Dissen GA, Garcia-Rudaz C, Paredes A, Mayer C, Mayerhofer A, Ojeda SR. Excessive ovarian production of nerve growth factor facilitates development of cystic ovarian morphology in mice and is a feature of polycystic ovarian syndrome in humans. *Endocrinology*. 2009 Jun;150(6):2906-14. Available from: PubMed; PMID 19264868

Fedorcsak P, Storeng R, Dale PO, Tanbo T, Abyholm T. Impaired insulin action on granulosa-lutein cells in women with polycystic ovary syndrome and insulin resistance. *Gynecol Endocrinol*. 2000 Oct;14(5):327-36. Available from: PubMed; PMID 11109972

Hogg K, Young JM, Oliver EM, Souza CJ, McNeilly AS, Duncan WC. Enhanced thecal androgen production is prenatally programmed in an ovine model of polycystic ovary syndrome. *Endocrinology*. 2012 Jan;153(1):450-61. Available from: PubMed; PMID 22087026

Hu W, Qiao J, Yang Y, Wang L, Li R. Elevated C-reactive protein and monocyte chemoattractant protein-1 in patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 Jul;157(1):53-6. Available from: PubMed; PMID 21530057

Li PF, Wang F, Kong HJ, Zhao F, Bai AH, Chen XM, Sun YP. Establishment of polycystic ovary syndrome-derived human embryonic stem cell lines. *Gynecol Endocrinol*. 2012 Jan;28(1):25-8. Available from: PubMed; PMID 21780950

Restuccia DF, Hynx D, Hemmings BA. Loss of PKBbeta/Akt2 predisposes mice to ovarian cyst formation and increases the severity of polycystic ovary formation in vivo. *Dis Model Mech*. 2012 May;5(3):403-11. Available from: PubMed; PMID 22275470

Salih SM, Jamaluddin M, Salama SA, Fadl AA, Nagamani M, Al-Hendy A. Regulation of catechol O-methyltransferase expression in granulosa cells: a potential role for follicular arrest in polycystic ovary syndrome. *Fertil Steril*. 2008 May;89(5 Suppl):1414-21. Available from: PubMed; PMID 17612537

Sarkar C, Maitra A. Deciphering the cis-regulatory elements of co-expressed genes in PCOS by in silico analysis. *Gene*. 2008 Jan 31;408(1-2):72-84. Available from: PubMed; PMID 18055135

Solano ME, Sander VA, Ho H, Motta AB, Arck PC. Systemic inflammation, cellular influx and up-regulation of ovarian VCAM-1 expression in a mouse model of polycystic ovary syndrome (PCOS). *J Reprod Immunol*. 2011 Dec;92(1-2):33-44. Available from: PubMed; PMID 22018827

Veiga-Lopez A, Ye W, Padmanabhan V. Developmental programming: prenatal testosterone excess disrupts anti-Mullerian hormone expression in preantral and antral follicles. *Fertil Steril*. 2012 Mar;97(3):748-56. Available from: PubMed; PMID 22245531

Venkatesan AM, Dunaif A, Corbould A. Insulin resistance in polycystic ovary syndrome: progress and paradoxes. *Recent Prog Horm Res*. 2001;56:295-308. Available from: PubMed; PMID 11237218

Vlaisavljevic V, Kovac V, Sajko MC. Impact of insulin resistance on the developmental potential of immature oocytes retrieved from human chorionic gonadotropin-primed women with polycystic ovary syndrome undergoing in vitro maturation. *Fertil Steril*. 2009 Mar;91(3):957-9. Available from: PubMed; PMID 18321495

Wickenheisser JK, Quinn PG, Nelson VL, Legro RS, Strauss JF, 3rd, McAllister JM. Differential activity of the cytochrome P450 17alpha-hydroxylase and steroidogenic acute regulatory protein gene promoters in normal and polycystic ovary syndrome theca cells. *J Clin Endocrinol Metab*. 2000 Jun;85(6):2304-11. Available from: PubMed; PMID 10852468

Wickenheisser JK, Nelson-DeGrave VL, McAllister JM. Human ovarian theca cells in culture. *Trends Endocrinol Metab*. 2006 Mar;17(2):65-71. Available from: PubMed; PMID 16460956

Yesilada E, Sahin I, Ozcan H, Yildirim IH, Yologlu S, Taskapan C. Increased micronucleus frequencies in peripheral blood lymphocytes in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Apr;154(4):563-8. Available from: PubMed; PMID 16556719

Zhang J, Zhu G, Wang X, Xu B, Hu L. Apoptosis and expression of protein TRAIL in granulosa cells of rats with polycystic ovarian syndrome. *J Huazhong Univ Sci Technolog Med Sci*. 2007 Jun;27(3):311-4. Available from: PubMed; PMID 17641850

## Environmental Role

Barness LA, Opitz JM, Gilbert-Barness E. Obesity: genetic, molecular, and environmental aspects. *Am J Med Genet A*. 2007 Dec 15;143A(24):3016-34. Available from: PubMed; PMID 18000969

Bataille V, Snieder H, MacGregor AJ, Sasieni P, Spector TD. The influence of genetics and environmental factors in the pathogenesis of acne: a twin study of acne in women. *J Invest Dermatol*. 2002 Dec;119(6):1317-22. Available from: PubMed; PMID 12485434

Bernuci MP, Szawka RE, Helena CV, Leite CM, Lara HE, Anselmo-Franci JA. Locus coeruleus mediates cold stress-induced polycystic ovary in rats. *Endocrinology*. 2008 Jun;149(6):2907-16. Available from: PubMed; PMID 18308852

Carmina E. Genetic and environmental aspect of polycystic ovary syndrome. *J Endocrinol Invest*. 2003 Nov;26(11):1151-9. Available from: PubMed; PMID 15008257

Carroll J, Saxena R, Welt CK. Environmental and genetic factors influence age at menarche in women with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2012;25(5-6):459-66. Available from: PubMed; PMID 22876539

Crosignani PG, Nicolosi AE. Polycystic ovarian disease: heritability and heterogeneity. *Hum Reprod Update*. 2001 Jan-Feb;7(1):3-7. Available from: PubMed; PMID 11212071

Dasgupta S, Reddy BM. Present status of understanding on the genetic etiology of polycystic ovary syndrome. *J Postgrad Med*. 2008 Apr-Jun;54(2):115-25. Available from: PubMed; PMID 18480528

Dasgupta S, Sirisha PV, Neelaveni K, Anuradha K, Reddy BM. Association of CAPN10 SNPs and haplotypes with polycystic ovary syndrome among South Indian Women. *PLoS One*. 2012;7(2):e32192. Available from: PubMed; PMID 22384174

- Diamanti-Kandarakis E, Piperi C. Genetics of polycystic ovary syndrome: searching for the way out of the labyrinth. *Hum Reprod Update*. 2005 Nov-Dec;11(6):631-43. Available from: PubMed; PMID 15994846
- Diamanti-Kandarakis E, Kandarakis H, Legro RS. The role of genes and environment in the etiology of PCOS. *Endocrine*. 2006 Aug;30(1):19-26. Available from: PubMed; PMID 17185788
- Diamanti-Kandarakis E, Piperi C, Spina J, Argyrakopoulou G, Papanastasiou L, Bergiele A, Panidis D. Polycystic ovary syndrome: the influence of environmental and genetic factors. *Hormones (Athens)*. 2006 Jan-Mar;5(1):17-34. Available from: PubMed; PMID 16728382
- Diamanti-Kandarakis E, Christakou C, Marinakis E. Phenotypes and environmental factors: their influence in PCOS. *Curr Pharm Des*. 2012;18(3):270-82. Available from: PubMed; PMID 22229564
- Dorfman M, Ramirez VD, Stener-Victorin E, Lara HE. Chronic-intermittent cold stress in rats induces selective ovarian insulin resistance. *Biol Reprod*. 2009 Feb;80(2):264-71. Available from: PubMed; PMID 18923160
- Forneris M, Rosales E, Ciuffo G, Oliveros L. Testosterone environment of splenocytes modifies the steroidogenesis of polycystic ovary in rats. *Horm Metab Res*. 2008 Apr;40(4):239-44. Available from: PubMed; PMID 18256972
- Franks S. Genetic and environmental origins of obesity relevant to reproduction. *Reprod Biomed Online*. 2006 May;12(5):526-31. Available from: PubMed; PMID 16790094
- Franks S, McCarthy MI, Hardy K. Development of polycystic ovary syndrome: involvement of genetic and environmental factors. *Int J Androl*. 2006 Feb;29(1):278-85; discussion 86-90. Available from: PubMed; PMID 16390494
- Galluzzo A, Amato MC, Giordano C. Insulin resistance and polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis*. 2008 Sep;18(7):511-8. Available from: PubMed; PMID 18657405
- Greisen S, Flyvbjerg A, Ledet T, Ovesen P. Regulation of insulin-like growth factor binding protein secretion by human granulosa luteal cells in a polycystic ovary-like environment. *Fertil Steril*. 2002 Jul;78(1):162-8. Available from: PubMed; PMID 12095507
- Hashimoto S, Fukuda A, Murata Y, Kikkawa M, Oku H, Kanaya H, Sonoda M, Sugihara K, Murata T, Nagata F, Nakaoaka Y, Morimoto Y. Effect of aspiration vacuum on the developmental competence of immature human oocytes retrieved using a 20-gauge needle. *Reprod Biomed Online*. 2007 Apr;14(4):444-9. Available from: PubMed; PMID 17425825
- Homburg R. Androgen circle of polycystic ovary syndrome. *Hum Reprod*. 2009 Jul;24(7):1548-55. Available from: PubMed; PMID 19279033
- Homburg R. Reply: A new method for testing a hypothesis on a cause of polycystic ovary syndrome. *Hum Reprod*. 2010 Jan;25(1):289-90. Available from: PubMed; PMID 20050299
- James WH. A new method for testing a hypothesis on a cause of polycystic ovary syndrome. *Hum Reprod*. 2009 Nov;24(11):2968. Available from: PubMed; PMID 19749195
- Kandaraki E, Chatzigeorgiou A, Livadas S, Palioura E, Economou F, Koutsilieris M, Palimeri S, Panidis D, Diamanti-Kandarakis E. Endocrine disruptors and polycystic ovary syndrome (PCOS): elevated serum levels of bisphenol A in women with PCOS. *J Clin Endocrinol Metab*. 2011 Mar;96(3):E480-4. Available from: PubMed; PMID 21193545
- Kanmaz-Ozer M, Vural P, Dogru-Abbasoglu S, Gedikbasi A, Cil E, Karadag B, Uysal M. Polymorphisms of vascular cell adhesion molecule 1 (VCAM1) in polycystic ovary syndrome determined by quantitative real-time polymerase chain reaction and melting curve analysis. *Eur J Obstet Gynecol Reprod Biol*. 2012 Feb;160(2):174-8. Available from: PubMed; PMID 22137570
- Lindenbaum C. Polycystic ovarian syndrome. Where genetics and environment collide. *Adv Nurse Pract*. 2010 Feb;18(2):20-6; quiz 7. Available from: PubMed; PMID 20481031
- Palomba S, Falbo A, Orio F, Jr., Zullo F. Effect of preconceptional metformin on abortion risk in polycystic ovary syndrome: a systematic review and meta-analysis of randomized controlled trials. *Fertil Steril*. 2009 Nov;92(5):1646-58. Available from: PubMed; PMID 18937939
- Park E, Cockrem JF, Han KH, Kim DH, Jung MH, Chu JP. Stress-induced activation of ovarian heat shock protein 90 in a rat model of polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2012 Feb;38(2):396-407. Available from: PubMed; PMID 22176470
- Shaw LM, Elton S. Polycystic ovary syndrome: a transgenerational evolutionary adaptation. *BJOG*. 2008 Jan;115(2):144-8. Available from: PubMed; PMID 18081596
- Shukunami K, Nishijima K, Orisaka M, Yoshida Y, Kotsuji F. Acute abdomen in a Jehovah's witness with chronic anemia. *Am J Emerg Med*. 2004 May;22(3):242-3. Available from: PubMed; PMID 15138976
- Sir-Petermann T, Codner E, Maliqueo M, Echiburru B, Hirschfeld C, Crisosto N, Perez-Bravo F, Recabarren SE, Cassorla F. Increased anti-Mullerian hormone serum

concentrations in prepubertal daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 Aug;91(8):3105-9. Available from: PubMed; PMID 16720659

Sloboda DM, Hickey M, Hart R. Reproduction in females: the role of the early life environment. *Hum Reprod Update.* 2011 Mar-Apr;17(2):210-27. Available from: PubMed; PMID 20961922

Zangeneh FZ, Abdollahi A, Tavassoli P, Naghizadeh MM. The effect of cold stress on polycystic ovary syndrome in rat: before and during modeling. *Arch Gynecol Obstet.* 2011 Sep;284(3):651-7. Available from: PubMed; PMID 20949356

## Genetics, AWAS, Predisposition

Ackerman CM, Lowe LP, Lee H, Chen F, Hughes E, Cholod P, Dyer AR, Hayes MG, Metzger BE, Lowe WL, Urbanek M. The role of the polycystic ovary syndrome susceptibility locus D19S884 allele 8 in maternal glycemia and fetal size. *J Clin Endocrinol Metab.* 2010 Jul;95(7):3242-50. Available from: PubMed; PMID 20444918

Akgul S, Derman O, Alikasifoglu M, Aktas D. CYP1A1 polymorphism in adolescents with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2011 Jan;112(1):8-10. Available from: PubMed; PMID 20965504

Amato P, Simpson JL. The genetics of polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol.* 2004 Oct;18(5):707-18. Available from: PubMed; PMID 15380142

Azziz R, Kashar-Miller MD. Family history as a risk factor for the polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2000;13 Suppl 5:1303-6. Available from: PubMed; PMID 11117675

Azziz R, Dumesic DA, Goodarzi MO. Polycystic ovary syndrome: an ancient disorder? *Fertil Steril.* 2011 Apr;95(5):1544-8. Available from: PubMed; PMID 20979996

Baba T, Endo T, Sata F, Honma H, Kitajima Y, Hayashi T, Manase K, Kanaya M, Yamada H, Minakami H, Kishi R, Saito T. Polycystic ovary syndrome is associated with genetic polymorphism in the insulin signaling gene IRS-1 but not ENPP1 in a Japanese population. *Life Sci.* 2007 Aug 16;81(10):850-4. Available from: PubMed; PMID 17719609

Baba T, Endo T, Sata F, Nagasawa K, Honma H, Kitajima Y, Hayashi T, Manase K, Kanaya M, Moriwaka O, Kamiya H, Yamada H, Minakami H, Kishi R, Saito T. The contributions of resistin and adiponectin gene single nucleotide polymorphisms to the genetic risk for polycystic

ovary syndrome in a Japanese population. *Gynecol Endocrinol.* 2009 Aug;25(8):498-503. Available from: PubMed; PMID 19544118

Babu KA, Rao KL, Kanakavalli MK, Suryanarayana VV, Deenadayal M, Singh L. CYP1A1, GSTM1 and GSTT1 genetic polymorphism is associated with susceptibility to polycystic ovaries in South Indian women. *Reprod Biomed Online.* 2004 Aug;9(2):194-200. Available from: PubMed; PMID 15333250

Bagos PG. Plasminogen activator inhibitor-1 4G/5G and 5,10-methylene-tetrahydrofolate reductase C677T polymorphisms in polycystic ovary syndrome. *Mol Hum Reprod.* 2009 Jan;15(1):19-26. Available from: PubMed; PMID 19066200

Baptiste CG, Battista MC, Trottier A, Baillargeon JP. Insulin and hyperandrogenism in women with polycystic ovary syndrome. *J Steroid Biochem Mol Biol.* 2010 Oct;122(1-3):42-52. Available from: PubMed; PMID 20036327

Baranova A, Tran TP, Bircerdinc A, Younossi ZM. Systematic review: association of polycystic ovary syndrome with metabolic syndrome and non-alcoholic fatty liver disease. *Aliment Pharmacol Ther.* 2011 Apr;33(7):801-14. Available from: PubMed; PMID 21251033

Barber TM, Bennett AJ, Groves CJ, Sovio U, Ruokonen A, Martikainen H, Pouta A, Hartikainen AL, Elliott P, Wass JA, Jarvelin MR, Zeggini E, Franks S, McCarthy MI. Disparate genetic influences on polycystic ovary syndrome (PCOS) and type 2 diabetes revealed by a lack of association between common variants within the TCF7L2 gene and PCOS. *Diabetologia.* 2007 Nov;50(11):2318-22. Available from: PubMed; PMID 17805508

Barber TM, Bennett AJ, Groves CJ, Sovio U, Ruokonen A, Martikainen H, Pouta A, Hartikainen AL, Elliott P, Lindgren CM, Freathy RM, Koch K, Ouwehand WH, Karpe F, Conway GS, Wass JA, Jarvelin MR, Franks S, McCarthy MI. Association of variants in the fat mass and obesity associated (FTO) gene with polycystic ovary syndrome. *Diabetologia.* 2008 Jul;51(7):1153-8. Available from: PubMed; PMID 18478198

Barber TM, Golding SJ, Alvey C, Wass JA, Karpe F, Franks S, McCarthy MI. Global adiposity rather than abnormal regional fat distribution characterizes women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Mar;93(3):999-1004. Available from: PubMed; PMID 18089693

Battaglia C, Regnani G, Mancini F, Iughetti L, Flamigni C, Venturoli S. Polycystic ovaries in childhood: a common finding in daughters of PCOS patients. A pilot study. *Hum Reprod.* 2002 Mar;17(3):771-6. Available from: PubMed; PMID 11870134

- Bayram B, Kilicci C, Onlu H, Ozkurt M, Erkasap N, Yildirim E, Sahin F. Association of angiotensin converting enzyme (ACE) gene I/D polymorphism and polycystic ovary syndrome (PCOS). *Gene*. 2011 Dec 10;489(2):86-8. Available from: PubMed; PMID 21939743
- Bendlova B, Vankova M, Zajickova K, Hill M, Zemanova A, Cibula D, Vejrazkova D, Lukasova P, Vcelak J, Vondra K, Vrbikova J. Low-density lipoprotein receptor-related protein-5 C/T polymorphism in exon 18 is associated with C peptide and proinsulin levels in control women and patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Sep;90(3):699-708. Available from: PubMed; PMID 17953969
- Bidzinska-Speichert B, Lenarcik A, Tworowska-Bardzinska U, Slezak R, Bednarek-Tupikowska G, Milewicz A, Krepula K. Pro12Ala PPAR gamma2 gene polymorphism in women with polycystic ovary syndrome. *Ginekol Pol*. 2011 Jun;82(6):426-9. Available from: PubMed; PMID 21853931
- Biyasheva A, Legro RS, Dunaif A, Urbanek M. Evidence for association between polycystic ovary syndrome (PCOS) and TCF7L2 and glucose intolerance in women with PCOS and TCF7L2. *J Clin Endocrinol Metab*. 2009 Jul;94(7):2617-25. Available from: PubMed; PMID 19351735
- Calogero AE, Calabro V, Catanuso M, Condorelli RA, La Vignera S. Understanding polycystic ovarian syndrome pathogenesis: an updated of its genetic aspects. *J Endocrinol Invest*. 2011 Sep;34(8):630-44. Available from: PubMed; PMID 21606667
- Canto P, Soderlund D, Carranza-Lira S, Mendez JP. Mutation analysis of the WNT-4 gene in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2006 Sep;22(9):484-7. Available from: PubMed; PMID 17071531
- Capalbo A, Sagnella F, Apa R, Fulghesu AM, Lanzzone A, Morciano A, Farcomeni A, Gangale MF, Moro F, Martinez D, Ciardulli A, Palla C, Uras ML, Spettu F, Cappai A, Carcassi C, Neri G, Tiziano FD. The 312N variant of the luteinizing hormone/choriogonadotropin receptor gene (LHCGR) confers up to 2.7-fold increased risk of polycystic ovary syndrome in a Sardinian population. *Clin Endocrinol (Oxf)*. 2012 Jul;77(1):113-9. Available from: PubMed; PMID 22356187
- Carmina E. Genetic and environmental aspect of polycystic ovary syndrome. *J Endocrinol Invest*. 2003 Nov;26(11):1151-9. Available from: PubMed; PMID 15008257
- Cetinkalp S, Karadeniz M, Erdogan M, Zengi A, Cetintas V, Tetik A, Eroglu Z, Kosova B, Ozgen AG, Saygili F, Yilmaz C. Apolipoprotein E gene polymorphism and polycystic ovary syndrome patients in Western Anatolia, Turkey. *J Assist Reprod Genet*. 2009 Jan;26(1):1-6. Available from: PubMed; PMID 19057990
- Charmandari E, Chrousos GP. Metabolic syndrome manifestations in classic congenital adrenal hyperplasia: do they predispose to atherosclerotic cardiovascular disease and secondary polycystic ovary syndrome? *Ann N Y Acad Sci*. 2006 Nov;1083:37-53. Available from: PubMed; PMID 17148732
- Chen ZJ, Zhao H, He L, Shi Y, Qin Y, Shi Y, Li Z, You L, Zhao J, Liu J, Liang X, Zhao X, Zhao J, Sun Y, Zhang B, Jiang H, Zhao D, Bian Y, Gao X, Geng L, Li Y, Zhu D, Sun X, Xu JE, Hao C, Ren CE, Zhang Y, Chen S, Zhang W, Yang A, Yan J, Li Y, Ma J, Zhao Y. Genome-wide association study identifies susceptibility loci for polycystic ovary syndrome on chromosome 2p16.3, 2p21 and 9q33.3. *Nat Genet*. 2011 Jan;43(1):55-9. Available from: PubMed; PMID 21151128
- Chittenden BG, Fullerton G, Maheshwari A, Bhattacharya S. Polycystic ovary syndrome and the risk of gynaecological cancer: a systematic review. *Reprod Biomed Online*. 2009 Sep;19(3):398-405. Available from: PubMed; PMID 19778486
- Choi SW, Gu BH, Ramakrishna S, Park JM, Baek KH. Association between a single nucleotide polymorphism in MTHFR gene and polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2009 Jul;145(1):85-8. Available from: PubMed; PMID 19427093
- Christopoulos P, Mastorakos G, Gazouli M, Panidis D, Deligeoroglou E, Katsikis I, Papadias K, Diamanti-Kandarakis E, Creatsas G. Genetic variants in TCF7L2 and KCNJ11 genes in a Greek population with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Sep;24(9):486-90. Available from: PubMed; PMID 18958766
- Christopoulos P, Mastorakos G, Gazouli M, Deligeoroglou E, Katsikis I, Diamanti-Kandarakis E, Panidis D, Creatsas G. Peroxisome proliferator-activated receptor-gamma and -delta polymorphisms in women with polycystic ovary syndrome. *Ann N Y Acad Sci*. 2010 Sep;1205:185-91. Available from: PubMed; PMID 20840271
- Christopoulos P, Mastorakos G, Gazouli M, Deligeoroglou E, Katsikis I, Diamanti-Kandarakis E, Panidis D, Creatsas G. Study of association of IRS-1 and IRS-2 genes polymorphisms with clinical and metabolic features in women with polycystic ovary syndrome. Is there an impact? *Gynecol Endocrinol*. 2010 Sep;26(9):698-703. Available from: PubMed; PMID 20210696
- Cibula D, Skrha J, Hill M, Fanta M, Haakova L, Vrbikova J, Zivny J. Prediction of insulin sensitivity in nonobese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Dec;87(12):5821-5. Available from: PubMed; PMID 12466392
- Colilla S, Cox NJ, Ehrmann DA. Heritability of insulin secretion and insulin action in women with polycystic ovary syndrome and their first degree relatives. *J Clin*

- Endocrinol Metab. 2001 May;86(5):2027-31. Available from: PubMed; PMID 11344202
- Connor EL. Adolescent polycystic ovary syndrome. *Adolesc Med State Art Rev*. 2012 Apr;23(1):164-77, xii. Available from: PubMed; PMID 22764561
- Dasgupta S, Reddy BM. Present status of understanding on the genetic etiology of polycystic ovary syndrome. *J Postgrad Med*. 2008 Apr-Jun;54(2):115-25. Available from: PubMed; PMID 18480528
- Dasgupta S, Sirisha PV, Neelaveni K, Anuradha K, Reddy BM. Association of CAPN10 SNPs and haplotypes with polycystic ovary syndrome among South Indian Women. *PLoS One*. 2012;7(2):e32192. Available from: PubMed; PMID 22384174
- Deligeorgiou E, Kouskouti C, Christopoulos P. The role of genes in the polycystic ovary syndrome: predisposition and mechanisms. *Gynecol Endocrinol*. 2009 Sep;25(9):603-9. Available from: PubMed; PMID 19591017
- Diamanti-Kandarakis E, Piperi C. Genetics of polycystic ovary syndrome: searching for the way out of the labyrinth. *Hum Reprod Update*. 2005 Nov-Dec;11(6):631-43. Available from: PubMed; PMID 15994846
- Diamanti-Kandarakis E, Kandarakis H, Legro RS. The role of genes and environment in the etiology of PCOS. *Endocrine*. 2006 Aug;30(1):19-26. Available from: PubMed; PMID 17185788
- Diamanti-Kandarakis E, Piperi C, Spina J, Argyrakopoulou G, Papanastasiou L, Bergiele A, Panidis D. Polycystic ovary syndrome: the influence of environmental and genetic factors. *Hormones (Athens)*. 2006 Jan-Mar;5(1):17-34. Available from: PubMed; PMID 16728382
- Diamanti-Kandarakis E, Christakou C, Kandarakis H. Polycystic ovarian syndrome: the commonest cause of hyperandrogenemia in women as a risk factor for metabolic syndrome. *Minerva Endocrinol*. 2007 Mar;32(1):35-47. Available from: PubMed; PMID 17353865
- Diamanti-Kandarakis E, Christakou CD, Kandaraki E, Alexandraki KI. Early onset adiposity: a pathway to polycystic ovary syndrome in adolescents? *Hormones (Athens)*. 2007 Jul-Sep;6(3):210-7. Available from: PubMed; PMID 17724005
- Diamanti-Kandarakis E, Xyrafis X, Boutzios G, Christakou C. Pancreatic beta-cells dysfunction in polycystic ovary syndrome. *Panminerva Med*. 2008 Dec;50(4):315-25. Available from: PubMed; PMID 19078872
- Diamanti-Kandarakis E, Christakou C, Marinakis E. Phenotypes and environmental factors: their influence in PCOS. *Curr Pharm Des*. 2012;18(3):270-82. Available from: PubMed; PMID 22229564
- Diamanti-Kandarakis E, Dunaif A. Insulin Resistance and the Polycystic Ovary Syndrome Revisited: An Update on Mechanisms and Implications. *Endocr Rev*. 2012 Oct 12. Available from: PubMed; PMID 23065822
- Draper N, Powell BL, Franks S, Conway GS, Stewart PM, McCarthy MI. Variants implicated in cortisone reductase deficiency do not contribute to susceptibility to common forms of polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2006 Jul;65(1):64-70. Available from: PubMed; PMID 16817821
- Druckmann R, Rohr UD. IGF-1 in gynaecology and obstetrics: update 2002. *Maturitas*. 2002 Apr 15;41 Suppl 1:S65-83. Available from: PubMed; PMID 11955796
- Du J, Zhang W, Guo L, Zhang Z, Shi H, Wang J, Zhang H, Gao L, Feng G, He L. Two FSHR variants, haplotypes and meta-analysis in Chinese women with premature ovarian failure and polycystic ovary syndrome. *Mol Genet Metab*. 2010 Jul;100(3):292-5. Available from: PubMed; PMID 20399696
- Dunaif A, Thomas A. Current concepts in the polycystic ovary syndrome. *Annu Rev Med*. 2001;52:401-19. Available from: PubMed; PMID 11160786
- Dunaif A. Insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S13-4. Available from: PubMed; PMID 16798274
- Dunaif A. Polycystic ovary syndrome in 2011: Genes, aging and sleep apnea in polycystic ovary syndrome. *Nat Rev Endocrinol*. 2012 Feb;8(2):72-4. Available from: PubMed; PMID 22183129
- Ehrmann DA. Glucose intolerance in the polycystic ovary syndrome: role of the pancreatic beta-cell. *J Pediatr Endocrinol Metab*. 2000;13 Suppl 5:1299-301. Available from: PubMed; PMID 11117674
- Ehrmann DA, Schwarz PE, Hara M, Tang X, Horikawa Y, Imperial J, Bell GI, Cox NJ. Relationship of calpain-10 genotype to phenotypic features of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Apr;87(4):1669-73. Available from: PubMed; PMID 11932299
- Ehrmann DA, Tang X, Yoshiuchi I, Cox NJ, Bell GI. Relationship of insulin receptor substrate-1 and -2 genotypes to phenotypic features of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Sep;87(9):4297-300. Available from: PubMed; PMID 12213887
- Ehrmann DA. Genetic contributions to glucose intolerance in polycystic ovary syndrome. *Reprod Biomed Online*. 2004 Jul;9(1):28-34. Available from: PubMed; PMID 15257813
- Erdogan M, Karadeniz M, Berdeli A, Alper G, Caglayan O, Yilmaz C. The relationship of the interleukin-6 -174 G>C gene polymorphism with oxidative stress markers in Turkish polycystic ovary syndrome patients. *J Endocrinol*

- Invest. 2008 Jul;31(7):624-9. Available from: PubMed; PMID 18787381
- Erdogan M, Karadeniz M, Berdeli A, Tamsel S, Yilmaz C. The relationship of the interleukin-6 -174 G>C gene polymorphism with cardiovascular risk factors in Turkish polycystic ovary syndrome patients. *Int J Immunogenet.* 2009 Oct;36(5):283-8. Available from: PubMed; PMID 19744034
- Eriksen MB, Brusgaard K, Andersen M, Tan Q, Altinok ML, Gaster M, Glintborg D. Association of polycystic ovary syndrome susceptibility single nucleotide polymorphism rs2479106 and PCOS in Caucasian patients with PCOS or hirsutism as referral diagnosis. *Eur J Obstet Gynecol Reprod Biol.* 2012 Jul;163(1):39-42. Available from: PubMed; PMID 22504079
- Escobar-Morreale HF, Luque-Ramirez M, San Millan JL. The molecular-genetic basis of functional hyperandrogenism and the polycystic ovary syndrome. *Endocr Rev.* 2005 Apr;26(2):251-82. Available from: PubMed; PMID 15561799
- Ewens KG, Jones MR, Ankener W, Stewart DR, Urbanek M, Dunaif A, Legro RS, Chua A, Azziz R, Spielman RS, Goodarzi MO, Strauss JF, 3rd. Type 2 diabetes susceptibility single-nucleotide polymorphisms are not associated with polycystic ovary syndrome. *Fertil Steril.* 2011 Jun 30;95(8):2538-41 e1-6. Available from: PubMed; PMID 21444075
- Ewens KG, Jones MR, Ankener W, Stewart DR, Urbanek M, Dunaif A, Legro RS, Chua A, Azziz R, Spielman RS, Goodarzi MO, Strauss JF, 3rd. FTO and MC4R gene variants are associated with obesity in polycystic ovary syndrome. *PLoS One.* 2011;6(1):e16390. Available from: PubMed; PMID 21283731
- Ferk P, Gersak K, Teran N. No association between the microsatellite polymorphism (TTTTA)<sub>n</sub> in the promoter of the CYP11A gene and ovarian hyperstimulation syndrome. *J Assist Reprod Genet.* 2006 Jan;23(1):29-32. Available from: PubMed; PMID 16391898
- Ferk P, Teran N, Gersak K. The (TAAAA)<sub>n</sub> microsatellite polymorphism in the SHBG gene influences serum SHBG levels in women with polycystic ovary syndrome. *Hum Reprod.* 2007 Apr;22(4):1031-6. Available from: PubMed; PMID 17189294
- Ferk P, Perme MP, Gersak K. Insulin gene polymorphism in women with polycystic ovary syndrome. *J Int Med Res.* 2008 Nov-Dec;36(6):1180-7. Available from: PubMed; PMID 19094425
- Ferk P, Perme MP, Teran N, Gersak K. Androgen receptor gene (CAG)<sub>n</sub> polymorphism in patients with polycystic ovary syndrome. *Fertil Steril.* 2008 Sep;90(3):860-3. Available from: PubMed; PMID 18555222
- Florez JC. Genetic susceptibility for polycystic ovary syndrome on chromosome 19: advances in the genetic dissection of complex reproductive traits. *J Clin Endocrinol Metab.* 2005 Dec;90(12):6732-4. Available from: PubMed; PMID 16330807
- Franks S, Gharani N, McCarthy M. Candidate genes in polycystic ovary syndrome. *Hum Reprod Update.* 2001 Jul-Aug;7(4):405-10. Available from: PubMed; PMID 11476353
- Franks S. Candidate genes in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S15. Available from: PubMed; PMID 16798275
- Franks S. Genetic and environmental origins of obesity relevant to reproduction. *Reprod Biomed Online.* 2006 May;12(5):526-31. Available from: PubMed; PMID 16790094
- Franks S, McCarthy MI, Hardy K. Development of polycystic ovary syndrome: involvement of genetic and environmental factors. *Int J Androl.* 2006 Feb;29(1):278-85; discussion 86-90. Available from: PubMed; PMID 16390494
- Franks S. Polycystic ovary syndrome in adolescents. *Int J Obes (Lond).* 2008 Jul;32(7):1035-41. Available from: PubMed; PMID 18458678
- Gabrilove JL. The polycystic ovary unraveled. *Endocr Pract.* 2009 May-Jun;15(4):386. Available from: PubMed; PMID 19454381
- Galluzzo A, Amato MC, Giordano C. Insulin resistance and polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis.* 2008 Sep;18(7):511-8. Available from: PubMed; PMID 18657405
- Genton P, Bauer J, Duncan S, Taylor AE, Balen AH, Eberle A, Pedersen B, Salas-Puig X, Sauer MV. On the association between valproate and polycystic ovary syndrome. *Epilepsia.* 2001 Mar;42(3):295-304. Available from: PubMed; PMID 11442143
- Giudice LC. Endometrium in PCOS: Implantation and predisposition to endocrine CA. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):235-44. Available from: PubMed; PMID 16772154
- Glueck CJ, Morrison JA, Wang P. Insulin resistance, obesity, hypofibrinolysis, hyperandrogenism, and coronary heart disease risk factors in 25 pre-perimenarchal girls age < or =14 years, 13 with precocious puberty, 23 with a first-degree relative with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2008 Oct;21(10):973-84. Available from: PubMed; PMID 19209619
- Gonzalez A, Abril E, Roca A, Aragon MJ, Figueroa MJ, Velarde P, Royo JL, Real LM, Ruiz A. Comment: CAPN10 alleles are associated with polycystic ovary syndrome. *J*

- Clin Endocrinol Metab. 2002 Aug;87(8):3971-6. Available from: PubMed; PMID 12161543
- Gonzalez A, Abril E, Roca A, Aragon MJ, Figueroa MJ, Velarde P, Ruiz R, Favez O, Galan JJ, Herreros JA, Real LM, Ruiz A. Specific CAPN10 gene haplotypes influence the clinical profile of polycystic ovary patients. *J Clin Endocrinol Metab.* 2003 Nov;88(11):5529-36. Available from: PubMed; PMID 14602801
- Gonzalez A, Saez ME, Aragon MJ, Galan JJ, Vettori P, Molina L, Rubio C, Real LM, Ruiz A, Ramirez-Lorca R. Specific haplotypes of the CALPAIN-5 gene are associated with polycystic ovary syndrome. *Hum Reprod.* 2006 Apr;21(4):943-51. Available from: PubMed; PMID 16396936
- Goodarzi MO, Guo X, Yildiz BO, Stanczyk FZ, Azziz R. Correlation of adrenocorticotropin steroid levels between women with polycystic ovary syndrome and their sisters. *Am J Obstet Gynecol.* 2007 Apr;196(4):398 e1-5; discussion e5-6. Available from: PubMed; PMID 17403434
- Goodarzi MO. Looking for polycystic ovary syndrome genes: rational and best strategy. *Semin Reprod Med.* 2008 Jan;26(1):5-13. Available from: PubMed; PMID 18181077
- Goodarzi MO, Jones MR, Chen YD, Azziz R. First evidence of genetic association between AKT2 and polycystic ovary syndrome. *Diabetes Care.* 2008 Dec;31(12):2284-7. Available from: PubMed; PMID 18768676
- Goodarzi MO, Louwers YV, Taylor KD, Jones MR, Cui J, Kwon S, Chen YD, Guo X, Stolk L, Uitterlinden AG, Laven JS, Azziz R. Replication of association of a novel insulin receptor gene polymorphism with polycystic ovary syndrome. *Fertil Steril.* 2011 Apr;95(5):1736-41 e1-11. Available from: PubMed; PMID 21300347
- Goodarzi MO, Jones MR, Li X, Chua AK, Garcia OA, Chen YD, Krauss RM, Rotter JJ, Ankener W, Legro RS, Azziz R, Strauss JF, 3rd, Dunaif A, Urbanek M. Replication of association of DENND1A and THADA variants with polycystic ovary syndrome in European cohorts. *J Med Genet.* 2012 Feb;49(2):90-5. Available from: PubMed; PMID 22180642
- Gu BH, Baik KH. Follicle-stimulating hormone receptor polymorphisms and polycystic ovary syndrome. *Fertil Steril.* 2009 Oct;92(4):e55; author reply e6. Available from: PubMed; PMID 19732886
- Gu BH, Park JM, Baik KH. Genetic variations of follicle stimulating hormone receptor are associated with polycystic ovary syndrome. *Int J Mol Med.* 2010 Jul;26(1):107-12. Available from: PubMed; PMID 20514429
- Haddad L, Evans JC, Gharani N, Robertson C, Rush K, Wiltshire S, Frayling TM, Wilkin TJ, Demaine A, Millward A, Hattersley AT, Conway G, Cox NJ, Bell GI, Franks S, McCarthy MI. Variation within the type 2 diabetes susceptibility gene calpain-10 and polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Jun;87(6):2606-10. Available from: PubMed; PMID 12050223
- Hanzu FA, Radian S, Attaoua R, Ait-El-Mkadem S, Fica S, Gheorghiu M, Coculescu M, Grigorescu F. Association of insulin receptor genetic variants with polycystic ovary syndrome in a population of women from Central Europe. *Fertil Steril.* 2010 Nov;94(6):2389-92. Available from: PubMed; PMID 20493471
- Hao CF, Bao HC, Zhang N, Gu HF, Chen ZJ. Evaluation of association between the CYP11alpha promoter pentanucleotide (TTTTA)<sub>n</sub> polymorphism and polycystic ovarian syndrome among Han Chinese women. *Neuro Endocrinol Lett.* 2009 Mar;30(1):56-60. Available from: PubMed; PMID 19300392
- Haq F, Rizvi J. Infertility and polycystic ovarian syndrome: a study of association between body mass index and intrafamily marriages. *Gynecol Obstet Invest.* 2008;65(4):269-74. Available from: PubMed; PMID 18196937
- Hatzirodos N, Bayne RA, Irving-Rodgers HF, Hummitzsch K, Sabatier L, Lee S, Bonner W, Gibson MA, Rainey WE, Carr BR, Mason HD, Reinhardt DP, Anderson RA, Rodgers RJ. Linkage of regulators of TGF-beta activity in the fetal ovary to polycystic ovary syndrome. *FASEB J.* 2011 Jul;25(7):2256-65. Available from: PubMed; PMID 21411746
- He C, Kraft P, Chasman DI, Buring JE, Chen C, Hankinson SE, Pare G, Chanock S, Ridker PM, Hunter DJ. A large-scale candidate gene association study of age at menarche and age at natural menopause. *Hum Genet.* 2010 Nov;128(5):515-27. Available from: PubMed; PMID 20734064
- Heinonen S, Korhonen S, Helisalmi S, Koivunen R, Tapanainen JS, Laakso M. The 121Q allele of the plasma cell membrane glycoprotein 1 gene predisposes to polycystic ovary syndrome. *Fertil Steril.* 2004 Sep;82(3):743-5. Available from: PubMed; PMID 15374726
- Hickey TE, Legro RS, Norman RJ. Epigenetic modification of the X chromosome influences susceptibility to polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 Jul;91(7):2789-91. Available from: PubMed; PMID 16636126
- Hoeger KM, Oberfield SE. Do women with PCOS have a unique predisposition to obesity? *Fertil Steril.* 2012 Jan;97(1):13-7. Available from: PubMed; PMID 22192136
- Hu Z, Wang Y, Qiao J, Li M, Chi H, Chen X. The role of family history in clinical symptoms and therapeutic outcomes of women with polycystic ovary syndrome. *Int J*



- Gynaecol Obstet. 2010 Jan;108(1):35-9. Available from: PubMed; PMID 19766209
- Huang M, Xiao J, Zhao X, Liu C, Chen Q. Four polymorphisms of the CAPN 10 gene and their relationship to polycystic ovary syndrome susceptibility: a meta-analysis. *Clin Endocrinol (Oxf)*. 2012 Mar;76(3):431-8. Available from: PubMed; PMID 21906115
- Huber JC, Schneeberger C, Tempfer CB. Genetic modelling of the estrogen metabolism as a risk factor of hormone-dependent disorders. *Maturitas*. 2002 May 20;42(1):1-12. Available from: PubMed; PMID 12020974
- Huber JC, Schneeberger C, Tempfer CB. Genetic modeling of estrogen metabolism as a risk factor of hormone-dependent disorders. *Maturitas*. 2002 Apr 15;41 Suppl 1:S55-64. Available from: PubMed; PMID 11955795
- Hwang JY, Lee EJ, Jin Go M, Sung YA, Lee HJ, Heon Kwak S, Jang HC, Soo Park K, Lee HJ, Byul Jang H, Song J, Park KH, Kim HL, Cho MC, Lee JY. Genome-wide association study identifies GYS2 as a novel genetic factor for polycystic ovary syndrome through obesity-related condition. *J Hum Genet*. 2012 Oct;57(10):660-4. Available from: PubMed; PMID 22951595
- Ingudomnukul E, Baron-Cohen S, Wheelwright S, Knickmeyer R. Elevated rates of testosterone-related disorders in women with autism spectrum conditions. *Horm Behav*. 2007 May;51(5):597-604. Available from: PubMed; PMID 17462645
- Ioannidis A, Ikononi E, Dimou NL, Douma L, Bagos PG. Polymorphisms of the insulin receptor and the insulin receptor substrates genes in polycystic ovary syndrome: a Mendelian randomization meta-analysis. *Mol Genet Metab*. 2010 Feb;99(2):174-83. Available from: PubMed; PMID 19926323
- Jiang B, Kenna HA, Rasgon NL. Genetic overlap between polycystic ovary syndrome and bipolar disorder: the endophenotype hypothesis. *Med Hypotheses*. 2009 Dec;73(6):996-1004. Available from: PubMed; PMID 19556071
- Jin JL, Sun J, Ge HJ, Cao YX, Wu XK, Liang FJ, Sun HX, Ke L, Yi L, Wu ZW, Wang Y. Association between CYP19 gene SNP rs2414096 polymorphism and polycystic ovary syndrome in Chinese women. *BMC Med Genet*. 2009;10:139. Available from: PubMed; PMID 20015405
- Jones AE. Diagnosis and treatment of polycystic ovarian syndrome. *Nurs Times*. 2005 Jan 18-24;101(3):40-3. Available from: PubMed; PMID 15693578
- Jones MR, Italiano L, Wilson SG, Mullin BH, Mead R, Dudbridge F, Watts GF, Stuckey BG. Polymorphism in HSD17B6 is associated with key features of polycystic ovary syndrome. *Fertil Steril*. 2006 Nov;86(5):1438-46. Available from: PubMed; PMID 17070195
- Jones MR, Wilson SG, Mullin BH, Mead R, Watts GF, Stuckey BG. Polymorphism of the follistatin gene in polycystic ovary syndrome. *Mol Hum Reprod*. 2007 Apr;13(4):237-41. Available from: PubMed; PMID 17284512
- Jones MR, Chua AK, Mengesha EA, Taylor KD, Chen YD, Li X, Krauss RM, Rotter JI, Legro RS, Azziz R, Goodarzi MO. Metabolic and cardiovascular genes in polycystic ovary syndrome: a candidate-wide association study (CWAS). *Steroids*. 2012 Mar 10;77(4):317-22. Available from: PubMed; PMID 22178785
- Kahsar-Miller M, Azziz R, Feingold E, Witchel SF. A variant of the glucocorticoid receptor gene is not associated with adrenal androgen excess in women with polycystic ovary syndrome. *Fertil Steril*. 2000 Dec;74(6):1237-40. Available from: PubMed; PMID 11119758
- Kahsar-Miller MD, Azziz R. The effectiveness of the interview for predicting the presence of polycystic ovary syndrome. *Gynecol Endocrinol*. 2003 Dec;17(6):449-54. Available from: PubMed; PMID 14992163
- Kaibe M, Takakuwa K, Murakawa H, Ishii K, Tamura M, Tanaka K. Studies on the human leukocyte antigens in patients with polycystic ovary syndrome in a Japanese population--possible susceptibility of HLA-A11 and -DRB1\*0403 to patient population with polycystic ovary syndrome. *Am J Reprod Immunol*. 2006 Apr;55(4):301-6. Available from: PubMed; PMID 16533342
- Kawai T, Ng MC, Hayes MG, Yoshiuchi I, Tsuchiya T, Robertson H, Cox NJ, Polonsky KS, Bell GI, Ehrmann DA. Variation in the perilipin gene (PLIN) affects glucose and lipid metabolism in non-Hispanic white women with and without polycystic ovary syndrome. *Diabetes Res Clin Pract*. 2009 Dec;86(3):186-92. Available from: PubMed; PMID 19782423
- Kawamura S, Maesawa C, Nakamura K, Nakayama K, Morita M, Hiruma Y, Yoshida T, Sakai A, Masuda T. Predisposition for borderline personality disorder with comorbid major depression is associated with that for polycystic ovary syndrome in female Japanese population. *Neuropsychiatr Dis Treat*. 2011;7:655-62. Available from: PubMed; PMID 22090801
- Kaya MG, Gunebakmaz O, Zencir C, Yilmazsoy A, Karadag M, Topsakal R, Ergin A, Kelestimur F. An assessment of the elastic properties of the aorta in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Nov;94(6):2402-5. Available from: PubMed; PMID 20493476
- Khan KA, Stas S, Kurukulasuriya LR. Polycystic ovarian syndrome. *J Cardiometab Syndr*. 2006 Spring;1(2):125-30; quiz 31-2. Available from: PubMed; PMID 17679815
- Kilicci C, Bayram B, Ozkurt M, Onlu H, Erkasap N, Mutlu F. Plasminogen activator inhibitor type-1 gene 4G/5G polymorphism and polycystic ovary syndrome. *Genet Test*

- Mol Biomarkers. 2011 Jul-Aug;15(7-8):565-7. Available from: PubMed; PMID 21413876
- Kim JJ, Choi YM, Choung SH, Yoon SH, Lee GH, Moon SY. Estrogen receptor beta gene +1730 G/A polymorphism in women with polycystic ovary syndrome. *Fertil Steril*. 2010 Apr;93(6):1942-7. Available from: PubMed; PMID 19185861
- Kim JJ, Hwang KR, Shin S, Yoon JH, Kim BJ, Choi YM, Roh EY. Association of polycystic ovarian syndrome with human leukocyte antigen polymorphism in Korean women. *APMIS*. 2011 Sep;119(9):618-25. Available from: PubMed; PMID 21851420
- Kim JW, Lee MH, Park JE, Yoon TK, Lee WS, Shim SH. Association of IL-18 genotype with impaired glucose regulation in Korean women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2012 Mar;161(1):51-5. Available from: PubMed; PMID 22226490
- Kimura F, Takebayashi K, Fujiwara M, Akiyama M, Takahashi K, Noda Y. Mutational analysis of the follistatin-related gene in women with premature ovarian failure and polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2006;85(7):885-6. Available from: PubMed; PMID 16817091
- Koika V, Georgopoulos NA, Piouka A, Roupas ND, Karela A, Armeni AK, Katsantoni E, Panidis D. Increased frequency of the DI genotype of the angiotensin-I converting enzyme and association of the II genotype with insulin resistance in polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Apr;166(4):695-702. Available from: PubMed; PMID 22223701
- Kowalska I, Adamska A, Malecki MT, Karczewska-Kupczewska M, Nikolajuk A, Szopa M, Gorska M, Straczkowski M. Impact of the FTO gene variation on fat oxidation and its potential influence on body weight in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Jul;77(1):120-5. Available from: PubMed; PMID 22385136
- Kurabayashi T, Yahata T, Quan J, Tanaka K. Association of polymorphisms in the beta2 and beta3 adrenoceptor gene with polycystic ovary syndrome. *J Reprod Med*. 2006 May;51(5):389-93. Available from: PubMed; PMID 16779985
- Kurzrock R, Cohen PR. Polycystic ovary syndrome in men: Stein-Leventhal syndrome revisited. *Med Hypotheses*. 2007;68(3):480-3. Available from: PubMed; PMID 17134841
- Laisk T, Haller-Kikkatalo K, Laanpere M, Jakovlev U, Peters M, Karro H, Salumets A. Androgen receptor epigenetic variations influence early follicular phase gonadotropin levels. *Acta Obstet Gynecol Scand*. 2010 Dec;89(12):1557-63. Available from: PubMed; PMID 21050150
- Lee EJ, Yoo KJ, Kim SJ, Lee SH, Cha KY, Baek KH. Single nucleotide polymorphism in exon 17 of the insulin receptor gene is not associated with polycystic ovary syndrome in a Korean population. *Fertil Steril*. 2006 Aug;86(2):380-4. Available from: PubMed; PMID 16806206
- Lee JY, Lee WJ, Hur SE, Lee CM, Sung YA, Chung HW. 111/121 diplotype of Calpain-10 is associated with the risk of polycystic ovary syndrome in Korean women. *Fertil Steril*. 2009 Aug;92(2):830-3. Available from: PubMed; PMID 18701098
- Legro RS. Polycystic ovary syndrome: the new millennium. *Mol Cell Endocrinol*. 2001 Nov 26;184(1-2):87-93. Available from: PubMed; PMID 11694344
- Legro RS. Polycystic ovary syndrome. Long term sequelae and management. *Minerva Ginecol*. 2002 Apr;54(2):97-114. Available from: PubMed; PMID 12032449
- Lerchbaum E, Trummer O, Giuliani A, Gruber HJ, Pieber TR, Obermayer-Pietsch B. Susceptibility loci for polycystic ovary syndrome on chromosome 2p16.3, 2p21, and 9q33.3 in a cohort of Caucasian women. *Horm Metab Res*. 2011 Oct;43(11):743-7. Available from: PubMed; PMID 22009367
- Li L, Zhao Y, Wang L, Yan J, Chen ZJ. Genetic variations of solute carrier family 30 (zinc transporter) member 8 (SLC30A8) are not associated with polycystic ovary syndrome. *Fertil Steril*. 2009 Apr;91(4 Suppl):1598-601. Available from: PubMed; PMID 19108828
- Li C, Qiao B, Zhan Y, Qi W, Chen ZJ. First evidence of genetic association between the MIF-173G/C single-nucleotide polymorphisms and polycystic ovary syndrome. *Am J Reprod Immunol*. 2011 Nov;66(5):416-22. Available from: PubMed; PMID 21623990
- Li C, Shi Y, You L, Wang L, Chen ZJ. Melatonin receptor 1A gene polymorphism associated with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2011;72(2):130-4. Available from: PubMed; PMID 21474908
- Li C, Shi Y, You L, Wang L, Chen ZJ. Association of rs10830963 and rs10830962 SNPs in the melatonin receptor (MTNR1B) gene among Han Chinese women with polycystic ovary syndrome. *Mol Hum Reprod*. 2011 Mar;17(3):193-8. Available from: PubMed; PMID 20959387
- Li T, Zhao H, Zhao X, Zhang B, Cui L, Shi Y, Li G, Wang P, Chen ZJ. Identification of YAP1 as a novel susceptibility gene for polycystic ovary syndrome. *J Med Genet*. 2012 Apr;49(4):254-7. Available from: PubMed; PMID 22499345
- Li Y, Liu F, Luo S, Hu H, Li XH, Li SW. Polymorphism T->C of gene CYP17 promoter and polycystic ovary

- syndrome risk: a meta-analysis. *Gene*. 2012 Mar 1;495(1):16-22. Available from: PubMed; PMID 22237020
- Lin S, Huiya Z, Bo L, Wei W, Yongmei G. The plasminogen activator inhibitor-1 (PAI-1) gene -844 A/G and -675 4G/5G promoter polymorphism significantly influences plasma PAI-1 levels in women with polycystic ovary syndrome. *Endocrine*. 2009 Dec;36(3):503-9. Available from: PubMed; PMID 19856137
- Liu Q, Gu W, Cui B, Hong J, Zhang Y, Chi Z, Su Y, Ning G. The association of TAAAAA repeat polymorphism in sex hormone-binding protein gene with polycystic ovary syndrome in Chinese population. *Endocrine*. 2008 Aug-Dec;34(1-3):62-7. Available from: PubMed; PMID 18937076
- Liu Q, Hong J, Cui B, Zhang Y, Gu W, Chi Z, Su Y, Ning G. Androgen receptor gene CAG(n) trinucleotide repeats polymorphism in Chinese women with polycystic ovary syndrome. *Endocrine*. 2008 Apr;33(2):165-70. Available from: PubMed; PMID 18483883
- Liu J, Wang B, Wei Z, Zhou P, Zu Y, Zhou S, Wen Q, Wang J, Cao Y, Ma X. Mutational analysis of human bone morphogenetic protein 15 in Chinese women with polycystic ovary syndrome. *Metabolism*. 2011 Nov;60(11):1511-4. Available from: PubMed; PMID 22014425
- Luque-Ramirez M, San Millan JL, Escobar-Morreale HF. Genomic variants in polycystic ovary syndrome. *Clin Chim Acta*. 2006 Apr;366(1-2):14-26. Available from: PubMed; PMID 16337616
- Mahmoudi T. Genetic variation in the vitamin D receptor and polycystic ovary syndrome risk. *Fertil Steril*. 2009 Oct;92(4):1381-3. Available from: PubMed; PMID 19501823
- Marioli DJ, Saltamavros AD, Vervita V, Koika V, Adonakis G, Decavalas G, Markou KB, Georgopoulos NA. Association of the 17-hydroxysteroid dehydrogenase type 5 gene polymorphism (-71A/G HSD17B5 SNP) with hyperandrogenemia in polycystic ovary syndrome (PCOS). *Fertil Steril*. 2009 Aug;92(2):648-52. Available from: PubMed; PMID 18692800
- Menke MN, Strauss JF, 3rd. Genetic approaches to polycystic ovarian syndrome. *Curr Opin Obstet Gynecol*. 2007 Aug;19(4):355-9. Available from: PubMed; PMID 17625418
- Mlinar B, Ferik P, Pfeifer M, Gersak K, Marc J. Lipin 1 gene polymorphisms in polycystic ovary syndrome. *Horm Metab Res*. 2011 Jun;43(6):427-32. Available from: PubMed; PMID 21448847
- Muolokwu E, Sanchez J, Bercaw JL, Sangi-Haghepeykar H, Banszek T, Brandt ML, Dietrich JE. Paratubal cysts, obesity, and hyperandrogenism. *J Pediatr Surg*. 2011 Nov;46(11):2164-7. Available from: PubMed; PMID 22075351
- Murray R. Polycystic ovary syndrome, obesity and insulin resistance: the new female triad. *Adv Nurse Pract*. 2004 Aug;12(8):22-35; quiz 6. Available from: PubMed; PMID 15354503
- Nam Menke M, Strauss JF, 3rd. Genetics of polycystic ovarian syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):188-204. Available from: PubMed; PMID 17304036
- Nectaria X, Leandros L, Ioannis G, Agathocles T. The importance of ERalpha and ERbeta gene polymorphisms in PCOS. *Gynecol Endocrinol*. 2012 Jul;28(7):505-8. Available from: PubMed; PMID 22296324
- Nitsch D, Tranchevent LC, Thienpont B, Thorrez L, Van Esch H, Devriendt K, Moreau Y. Network analysis of differential expression for the identification of disease-causing genes. *PLoS One*. 2009;4(5):e5526. Available from: PubMed; PMID 19436755
- Norman RJ, Homan G, Moran L, Noakes M. Lifestyle choices, diet, and insulin sensitizers in polycystic ovary syndrome. *Endocrine*. 2006 Aug;30(1):35-43. Available from: PubMed; PMID 17185790
- Omran MY. Metformin and polycystic ovary syndrome. *Int J Health Sci (Qassim)*. 2007 Jan;1(1):75-80. Available from: PubMed; PMID 21475454
- Padmanabhan V. Polycystic ovary syndrome--"A riddle wrapped in a mystery inside an enigma". *J Clin Endocrinol Metab*. 2009 Jun;94(6):1883-5. Available from: PubMed; PMID 19494163
- Padmanabhan V, Veiga-Lopez A. Developmental origin of reproductive and metabolic dysfunctions: androgenic versus estrogenic reprogramming. *Semin Reprod Med*. 2011 May;29(3):173-86. Available from: PubMed; PMID 21710394
- Padmanabhan V, Veiga-Lopez A. Sheep models of polycystic ovary syndrome phenotype. *Mol Cell Endocrinol*. 2012 Oct 16. Available from: PubMed; PMID 23084976
- Panidis D, Kourtis A, Kukuvtis A, Farmakiotis D, Xita N, Georgiou I, Tsatsoulis A. Association of the T45G polymorphism in exon 2 of the adiponectin gene with polycystic ovary syndrome: role of Delta4-androstenedione. *Hum Reprod*. 2004 Aug;19(8):1728-33. Available from: PubMed; PMID 15178661
- Park JM, Lee EJ, Ramakrishna S, Cha DH, Baik KH. Association study for single nucleotide polymorphisms in the CYP17A1 gene and polycystic ovary syndrome. *Int J Mol Med*. 2008 Aug;22(2):249-54. Available from: PubMed; PMID 18636181

- Pasquali R, Stener-Victorin E, Yildiz BO, Duleba AJ, Hoeger K, Mason H, Homburg R, Hickey T, Franks S, Tapanainen JS, Balen A, Abbott DH, Diamanti-Kandarakis E, Legro RS. PCOS Forum: research in polycystic ovary syndrome today and tomorrow. *Clin Endocrinol (Oxf)*. 2011 Apr;74(4):424-33. Available from: PubMed; PMID 21158892
- Peng CY, Long XY, Lu GX. Association of AR rs6152G/A gene polymorphism with susceptibility to polycystic ovary syndrome in Chinese women. *Reprod Fertil Dev*. 2010;22(5):881-5. Available from: PubMed; PMID 20450840
- Podnar S, Barbic M. Non-neurogenic urinary retention (Fowler's syndrome) in two sisters. *Neurourol Urodyn*. 2006;25(7):739-41; discussion 42-3. Available from: PubMed; PMID 16819763
- Prodoehl MJ, Hatzirodos N, Irving-Rodgers HF, Zhao ZZ, Painter JN, Hickey TE, Gibson MA, Rainey WE, Carr BR, Mason HD, Norman RJ, Montgomery GW, Rodgers RJ. Genetic and gene expression analyses of the polycystic ovary syndrome candidate gene fibrillin-3 and other fibrillin family members in human ovaries. *Mol Hum Reprod*. 2009 Dec;15(12):829-41. Available from: PubMed; PMID 19692420
- Pusalkar M, Meherji P, Gokral J, Chinnaraj S, Maitra A. CYP11A1 and CYP17 promoter polymorphisms associate with hyperandrogenemia in polycystic ovary syndrome. *Fertil Steril*. 2009 Aug;92(2):653-9. Available from: PubMed; PMID 18725155
- Radakovic B, Goldstajn MS. MTHFR C 677T mutation and 4G/5G PAI-I polymorphism in patient with polycystic ovarian syndrome. *Coll Antropol*. 2007 Sep;31(3):919-21. Available from: PubMed; PMID 18041407
- Raja-Khan N, Kunselman AR, Demers LM, Ewens KG, Spielman RS, Legro RS. A variant in the fibrillin-3 gene is associated with TGF-beta and inhibin B levels in women with polycystic ovary syndrome. *Fertil Steril*. 2010 Dec;94(7):2916-9. Available from: PubMed; PMID 20630504
- Ramos Cirilo PD, Rosa FE, Moreira Ferraz MF, Rainho CA, Pontes A, Rogatto SR. Genetic polymorphisms associated with steroids metabolism and insulin action in polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Mar;28(3):190-4. Available from: PubMed; PMID 21824047
- Ranjzad F, Mahmoudi T, Irani Shemirani A, Mahban A, Nikzamid A, Vahedi M, Ashrafi M, Gourabi H. A common variant in the adiponectin gene and polycystic ovary syndrome risk. *Mol Biol Rep*. 2012 Mar;39(3):2313-9. Available from: PubMed; PMID 21637951
- Restuccia DF, Hynx D, Hemmings BA. Loss of PKBbeta/Akt2 predisposes mice to ovarian cyst formation and increases the severity of polycystic ovary formation in vivo. *Dis Model Mech*. 2012 May;5(3):403-11. Available from: PubMed; PMID 22275470
- Sabayan B, Foroughinia F, Borhani Haghighi A, Mowla A. Are women with polycystic ovary syndrome (PCOS) at higher risk for development of Alzheimer disease? *Alzheimer Dis Assoc Disord*. 2007 Jul-Sep;21(3):265. Available from: PubMed; PMID 17804962
- Sam S, Dunaif A. Polycystic ovary syndrome: syndrome XX? *Trends Endocrinol Metab*. 2003 Oct;14(8):365-70. Available from: PubMed; PMID 14516934
- San Millan JL, Corton M, Villuendas G, Sancho J, Peral B, Escobar-Morreale HF. Association of the polycystic ovary syndrome with genomic variants related to insulin resistance, type 2 diabetes mellitus, and obesity. *J Clin Endocrinol Metab*. 2004 Jun;89(6):2640-6. Available from: PubMed; PMID 15181035
- Saxena R, Welt CK. Polycystic ovary syndrome is not associated with genetic variants that mark risk of type 2 diabetes. *Acta Diabetol*. 2012 Mar 3. Available from: PubMed; PMID 22389004
- Schuring AN, Schulte N, Sonntag B, Kiesel L. Androgens and insulin--two key players in polycystic ovary syndrome. Recent concepts in the pathophysiology and genetics of polycystic ovary syndrome. *Gynakol Geburtshilfliche Rundsch*. 2008;48(1):9-15. Available from: PubMed; PMID 18209494
- Schuring AN, Welp A, Gromoll J, Zitzmann M, Sonntag B, Nieschlag E, Greb RR, Kiesel L. Role of the CAG repeat polymorphism of the androgen receptor gene in polycystic ovary syndrome (PCOS). *Exp Clin Endocrinol Diabetes*. 2012 Feb;120(2):73-9. Available from: PubMed; PMID 22068615
- Shi Y, Zhao H, Shi Y, Cao Y, Yang D, Li Z, Zhang B, Liang X, Li T, Chen J, Shen J, Zhao J, You L, Gao X, Zhu D, Zhao X, Yan Y, Qin Y, Li W, Yan J, Wang Q, Zhao J, Geng L, Ma J, Zhao Y, He G, Zhang A, Zou S, Yang A, Liu J, Li W, Li B, Wan C, Qin Y, Shi J, Yang J, Jiang H, Xu JE, Qi X, Sun Y, Zhang Y, Hao C, Ju X, Zhao D, Ren CE, Li X, Zhang W, Zhang Y, Zhang J, Wu D, Zhang C, He L, Chen ZJ. Genome-wide association study identifies eight new risk loci for polycystic ovary syndrome. *Nat Genet*. 2012 Sep;44(9):1020-5. Available from: PubMed; PMID 22885925
- Siegel S, Futterweit W, Davies TF, Concepcion ES, Greenberg DA, Villanueva R, Tomer Y. A C/T single nucleotide polymorphism at the tyrosine kinase domain of the insulin receptor gene is associated with polycystic ovary syndrome. *Fertil Steril*. 2002 Dec;78(6):1240-3. Available from: PubMed; PMID 12477518
- Simoni M, Tempfer CB, Destenaves B, Fauser BC. Functional genetic polymorphisms and female reproductive disorders: Part I: Polycystic ovary syndrome and ovarian

- response. *Hum Reprod Update*. 2008 Sep-Oct;14(5):459-84. Available from: PubMed; PMID 18603647
- Simpson JL. Molecular approach to common causes of female infertility. *Best Pract Res Clin Obstet Gynaecol*. 2002 Oct;16(5):685-702. Available from: PubMed; PMID 12475548
- Sir-Petermann T. Polycystic ovary syndrome, a pathway to type 2 diabetes. *Nutrition*. 2005 Nov-Dec;21(11-12):1160-3. Available from: PubMed; PMID 16308143
- Soderlund D, Canto P, Carranza-Lira S, Mendez JP. No evidence of mutations in the P450 aromatase gene in patients with polycystic ovary syndrome. *Hum Reprod*. 2005 Apr;20(4):965-9. Available from: PubMed; PMID 15695318
- Sozen I, Arici A. Hyperinsulinism and its interaction with hyperandrogenism in polycystic ovary syndrome. *Obstet Gynecol Surv*. 2000 May;55(5):321-8. Available from: PubMed; PMID 10804539
- Sproul K, Jones MR, Mathur R, Azziz R, Goodarzi MO. Association study of four key folliculogenesis genes in polycystic ovary syndrome. *BJOG*. 2010 May;117(6):756-60. Available from: PubMed; PMID 20236105
- Srikanthan P, Korenman S, Davis S. Polycystic ovarian syndrome: the next cardiovascular dilemma in women? *Endocrinol Metab Clin North Am*. 2006 Sep;35(3):611-31. x. Available from: PubMed; PMID 16959589
- Stewart DR, Dombroski BA, Urbanek M, Ankener W, Ewens KG, Wood JR, Legro RS, Strauss JF, 3rd, Dunaif A, Spielman RS. Fine mapping of genetic susceptibility to polycystic ovary syndrome on chromosome 19p13.2 and tests for regulatory activity. *J Clin Endocrinol Metab*. 2006 Oct;91(10):4112-7. Available from: PubMed; PMID 16868051
- Strauss JF, 3rd. Some new thoughts on the pathophysiology and genetics of polycystic ovary syndrome. *Ann N Y Acad Sci*. 2003 Nov;997:42-8. Available from: PubMed; PMID 14644808
- Sun J, Fan H, Che Y, Cao Y, Wu X, Sun HX, Liang F, Yi L, Wang Y. Association between ACE gene I/D polymorphisms and hyperandrogenism in women with polycystic ovary syndrome (PCOS) and controls. *BMC Med Genet*. 2009;10:64. Available from: PubMed; PMID 19602270
- Sun L, Lv H, Wei W, Zhang D, Guan Y. Angiotensin-converting enzyme D/I and plasminogen activator inhibitor-1 4G/5G gene polymorphisms are associated with increased risk of spontaneous abortions in polycystic ovarian syndrome. *J Endocrinol Invest*. 2010 Feb;33(2):77-82. Available from: PubMed; PMID 19636212
- Tan WC, Yap C, Tan AS. Clinical management of PCOS. *Acta Obstet Gynecol Scand*. 2001 Aug;80(8):689-96. Available from: PubMed; PMID 11531609
- Topcu S, Caliskan M, Gullu H, Ozcimen EE, Erdogan D, Uckuyu A, Zeyneloglu H, Muderrisoglu H. Do women with polycystic ovary syndrome really have predisposition to atherosclerosis? *Aust N Z J Obstet Gynaecol*. 2006 Apr;46(2):164-7. Available from: PubMed; PMID 16638042
- Trottier A, Battista MC, Geller DH, Moreau B, Carpentier AC, Simoneau-Roy J, Baillargeon JP. Adipose tissue insulin resistance in peripubertal girls with first-degree family history of polycystic ovary syndrome. *Fertil Steril*. 2012 Sep 14. Available from: PubMed; PMID 22985947
- Tsanadis G, Vartholomatos G, Korkontzelos I, Avgoustatos F, Kakosimos G, Sotiriadis A, Tatsioni A, Eleftheriou A, Lolis D. Polycystic ovarian syndrome and thrombophilia. *Hum Reprod*. 2002 Feb;17(2):314-9. Available from: PubMed; PMID 11821270
- Tucci S, Futterweit W, Concepcion ES, Greenberg DA, Villanueva R, Davies TF, Tomer Y. Evidence for association of polycystic ovary syndrome in caucasian women with a marker at the insulin receptor gene locus. *J Clin Endocrinol Metab*. 2001 Jan;86(1):446-9. Available from: PubMed; PMID 11232039
- Unsal T, Konac E, Yesilkaya E, Yilmaz A, Bideci A, Ilke Onen H, Cinaz P, Menevse A. Genetic polymorphisms of FSHR, CYP17, CYP11A1, CAPN10, INSR, SERPINE1 genes in adolescent girls with polycystic ovary syndrome. *J Assist Reprod Genet*. 2009 Apr;26(4):205-16. Available from: PubMed; PMID 19387820
- Uras R, Orru M, Pani F, Marotto MF, Pilloni M, Guerriero S, Etzi R, Zedda P, Sorge R, Lello S, Melis GB, Paoletti AM. Endocrinological, metabolic and clinical features of treatment with oral contraceptive formulation containing ethinylestradiol plus chlormadinone acetate in nonobese women with polycystic ovary syndrome. *Contraception*. 2010 Aug;82(2):131-8. Available from: PubMed; PMID 20654753
- Urbanek M, Woodroffe A, Ewens KG, Diamanti-Kandarakis E, Legro RS, Strauss JF, 3rd, Dunaif A, Spielman RS. Candidate gene region for polycystic ovary syndrome on chromosome 19p13.2. *J Clin Endocrinol Metab*. 2005 Dec;90(12):6623-9. Available from: PubMed; PMID 16091490
- Urbanek M. The genetics of the polycystic ovary syndrome. *Nat Clin Pract Endocrinol Metab*. 2007 Feb;3(2):103-11. Available from: PubMed; PMID 17237837
- Urbanek M, Nampiaparampil G, D'Souza J, Sefton E, Ackerman C, Legro RS, Dunaif A. The role of genetic variation in the lamin a/c gene in the etiology of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2009

Jul;94(7):2665-9. Available from: PubMed; PMID 19401371

Valkenburg O, Uitterlinden AG, Piersma D, Hofman A, Themmen AP, de Jong FH, Fauser BC, Laven JS. Genetic polymorphisms of GnRH and gonadotrophic hormone receptors affect the phenotype of polycystic ovary syndrome. *Hum Reprod*. 2009 Aug;24(8):2014-22. Available from: PubMed; PMID 19403562

Vollmert C, Hahn S, Lamina C, Huth C, Kolz M, Schopfer-Wendels A, Mann K, Bongardt F, Mueller JC, Kronenberg F, Wichmann HE, Herder C, Holle R, Lowel H, Illig T, Janssen OE. Calpain-10 variants and haplotypes are associated with polycystic ovary syndrome in Caucasians. *Am J Physiol Endocrinol Metab*. 2007 Mar;292(3):E836-44. Available from: PubMed; PMID 17106059

Vural P, Kusku-Kiraz Z, Dogru-Abbasoglu S, Cil E, Karadag B, Akgul C, Uysal M. Vascular endothelial growth factor -2578 A/C, -460 T/C and +405 G/C polymorphisms in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2009 Nov;147(1):57-60. Available from: PubMed; PMID 19631445

Vural P, Kanmaz-Ozer M, Dogru-Abbasoglu S, Gedikbasi A, Cil E, Karadag B, Uysal M. Lack of association between intercellular adhesion molecule-1 (ICAM-1) polymorphisms and polycystic ovary syndrome. *J Assist Reprod Genet*. 2011 Sep;28(9):869-75. Available from: PubMed; PMID 21717173

Walch K, Grimm C, Huber JC, Nagele F, Kolbus A, Hefler LA. A polymorphism of the plasminogen activator inhibitor-1 gene promoter and the polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2005 Nov 1;123(1):77-81. Available from: PubMed; PMID 16102886

Wang Y, Wu X, Cao Y, Yi L, Chen J. A microsatellite polymorphism (tttta)<sub>n</sub> in the promoter of the CYP11a gene in Chinese women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86(1):223-6. Available from: PubMed; PMID 16764871

Wang Y, Wu X, Cao Y, Yi L, Fan H, Chen J. Polymorphisms of the peroxisome proliferator-activated receptor-gamma and its coactivator-1alpha genes in Chinese women with polycystic ovary syndrome. *Fertil Steril*. 2006 May;85(5):1536-40. Available from: PubMed; PMID 16600233

Wang B, Wang J, Liu J, Ni F, Yan J, Zhou S, Mu Y, Cao Y, Ma X. Lack of an association between CYP11A1 gene Ile462Val polymorphism and polycystic ovary syndrome in Chinese. *Endocrine*. 2009 Aug;36(1):16-9. Available from: PubMed; PMID 19507064

Wang J, Tang J, Wang B, Song J, Liu J, Wei Z, Zhang F, Ma X, Cao Y. FABP4: a novel candidate gene for polycystic ovary syndrome. *Endocrine*. 2009 Dec;36(3):392-6. Available from: PubMed; PMID 19844814

Wang L, Wang Y, Zhang X, Shi J, Wang M, Wei Z, Zhao A, Li B, Zhao X, Xing Q, He L. Common genetic variation in MTNR1B is associated with serum testosterone, glucose tolerance, and insulin secretion in polycystic ovary syndrome patients. *Fertil Steril*. 2010 Nov;94(6):2486-9, 9 e1-2. Available from: PubMed; PMID 20207350

Welt CK, Styrkarsdottir U, Ehrmann DA, Thorleifsson G, Arason G, Gudmundsson JA, Ober C, Rosenfield RL, Saxena R, Thorsteinsdottir U, Crowley WF, Stefansson K. Variants in DENND1A are associated with polycystic ovary syndrome in women of European ancestry. *J Clin Endocrinol Metab*. 2012 Jul;97(7):E1342-7. Available from: PubMed; PMID 22547425

Witchel SF, Fagerli J, Siegel J, Smith R, Mitwally MF, Lewy V, Arslanian S, Lee PA. No association between body mass index and beta(3)-adrenergic receptor variant (W64R) in children with premature pubarche and adolescent girls with hyperandrogenism. *Fertil Steril*. 2000 Mar;73(3):509-15. Available from: PubMed; PMID 10689004

Witchel SF, Kahsar-Miller M, Aston CE, White C, Azziz R. Prevalence of CYP21 mutations and IRS1 variant among women with polycystic ovary syndrome and adrenal androgen excess. *Fertil Steril*. 2005 Feb;83(2):371-5. Available from: PubMed; PMID 15705377

Xian L, He W, Pang F, Hu Y. ADIPOQ gene polymorphisms and susceptibility to polycystic ovary syndrome: a HuGE survey and meta-analysis. *Eur J Obstet Gynecol Reprod Biol*. 2012 Apr;161(2):117-24. Available from: PubMed; PMID 22239938

Xita N, Lazaros L, Georgiou I, Tsatsoulis A. The Pro12Ala polymorphism of the PPAR-gamma gene is not associated with the polycystic ovary syndrome. *Hormones (Athens)*. 2009 Oct-Dec;8(4):267-72. Available from: PubMed; PMID 20045799

Xu P, Che Y, Cao Y, Wu X, Sun H, Liang F, Sun J, Ke L, Yi L, Wang Y. Polymorphisms of TCF7L2 and HHEX genes in Chinese women with polycystic ovary syndrome. *J Assist Reprod Genet*. 2010 Jan;27(1):23-8. Available from: PubMed; PMID 20041287

Xu X, Zhao H, Shi Y, You L, Bian Y, Zhao Y, Chen ZJ. Family association study between INSR gene polymorphisms and PCOS in Han Chinese. *Reprod Biol Endocrinol*. 2011;9:76. Available from: PubMed; PMID 21645371

Yan Q, Hong J, Gu W, Zhang Y, Liu Q, Su Y, Zhang Y, Li X, Cui B, Ning G. Association of the common rs9939609 variant of FTO gene with polycystic ovary syndrome in Chinese women. *Endocrine*. 2009 Dec;36(3):377-82. Available from: PubMed; PMID 19859840

Yang Y, Qiao J, Li MZ. Association of polymorphisms of interleukin-18 gene promoter region with polycystic ovary

syndrome in chinese population. *Reprod Biol Endocrinol*. 2010;8:125. Available from: PubMed; PMID 20964873

Yang Y, Qiao J, Tang RX, Li MZ. Genotype and haplotype determination of interleukin (IL) 1 beta (g. -511C>T and g. +3954C>T) and IL-1RN in polycystic ovary syndrome. *Fertil Steril*. 2010 Jun;94(1):384-6. Available from: PubMed; PMID 19909950

Yildiz BO, Yarali H, Oguz H, Bayraktar M. Glucose intolerance, insulin resistance, and hyperandrogenemia in first degree relatives of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 May;88(5):2031-6. Available from: PubMed; PMID 12727950

Yoshihara K, Yahata T, Kashima K, Mikami T, Tanaka K. Association of single nucleotide polymorphisms in adiponectin and its receptor genes with polycystic ovary syndrome. *J Reprod Med*. 2009 Nov-Dec;54(11-12):669-74. Available from: PubMed; PMID 20120899

Zhang N, Shi YH, Hao CF, Gu HF, Li Y, Zhao YR, Wang LC, Chen ZJ. Association of +45G15G(T/G) and +276(G/T) polymorphisms in the ADIPOQ gene with polycystic ovary syndrome among Han Chinese women. *Eur J Endocrinol*. 2008 Feb;158(2):255-60. Available from: PubMed; PMID 18230834

Zhang X, Fu L, Zhang Q, Yan L, Ma Y, Tu B, Liu N, Qiao J. Association of TRB3 Q84R polymorphism with polycystic ovary syndrome in Chinese women. *Reprod Biol Endocrinol*. 2011;9:46. Available from: PubMed; PMID 21492415

Zhang B, Zhao H, Li T, Gao X, Gao Q, Tang R, Zhang J, Chen ZJ. Association Study of Gene LPP in Women with Polycystic Ovary Syndrome. *PLoS One*. 2012;7(10):e46370. Available from: PubMed; PMID 23056290

Zhang CW, Zhang XL, Xia YJ, Cao YX, Wang WJ, Xu P, Che YN, Wu XK, Yi L, Gao Q, Wang Y. Association between polymorphisms of the CYP11A1 gene and polycystic ovary syndrome in Chinese women. *Mol Biol Rep*. 2012 Aug;39(8):8379-85. Available from: PubMed; PMID 22699877

Zhao H, Xu X, Xing X, Wang J, He L, Shi Y, Shi Y, Zhao Y, Chen ZJ. Family-based analysis of susceptibility loci for polycystic ovary syndrome on chromosome 2p16.3, 2p21 and 9q33.3. *Hum Reprod*. 2012 Jan;27(1):294-8. Available from: PubMed; PMID 22081247

Zheng Q, Shi Y, Yang Z, Xu X, Wang L, Xue F, Gu HF, Chen ZJ. Family-based association study of the MCF2L2 gene and polycystic ovary syndrome. *Gynecol Obstet Invest*. 2009;68(3):171-3. Available from: PubMed; PMID 19648752

Zueff LF, Martins WP, Vieira CS, Ferriani RA. Ultrasonographic and laboratory markers of metabolic and cardiovascular disease risk in obese women with polycystic

ovary syndrome. *Ultrasound Obstet Gynecol*. 2012 Mar;39(3):341-7. Available from: PubMed; PMID 21898634

## Type 2 Diabetes and Prediabetes

Case problem: dietary recommendations to combat obesity, insulin resistance, and other concerns related to polycystic ovary syndrome. *J Am Diet Assoc*. 2000 Aug;100(8):955-7; discussion 7-60. Available from: PubMed; PMID 10955058

Use of insulin sensitizing agents in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2006 Nov;86(5 Suppl 1):S221-3. Available from: PubMed; PMID 17055827

Use of insulin-sensitizing agents in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2008 Nov;90(5 Suppl):S69-73. Available from: PubMed; PMID 19007650

Retraction: Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res*. 2010 Feb;36(1):218. Available from: PubMed; PMID 20178557

Abbott DH, Bruns CR, Barnett DK, Dunaif A, Goodfriend TL, Dumesic DA, Tarantal AF. Experimentally induced gestational androgen excess disrupts glucoregulation in rhesus monkey dams and their female offspring. *Am J Physiol Endocrinol Metab*. 2010 Nov;299(5):E741-51. Available from: PubMed; PMID 20682841

Abdel-Rahman MY, Jackson LW, Rodewald KJ, Abdellah MA, Ismail SA, Hurd WW. Polycystic ovary syndrome and diabetes screening: a survey of gynecologists and reproductive endocrinologists. *Eur J Obstet Gynecol Reprod Biol*. 2012 Jun;162(2):178-81. Available from: PubMed; PMID 22464207

Akbarzadeh S, Ghasemi S, Kalantarhormozi M, Nabipour I, Abbasi F, Aminfar A, Jaffari SM, Motamed N, Movahed A, Mirzaei M, Rahbar AR. Relationship among plasma adipokines, insulin and androgens level as well as biochemical glycemic and lipidemic markers with incidence of PCOS in women with normal BMI. *Gynecol Endocrinol*. 2012 Jul;28(7):521-4. Available from: PubMed; PMID 22309615

Allemand MC, Irving BA, Asmann YW, Klaus KA, Tatpati L, Coddington CC, Nair KS. Effect of testosterone on insulin stimulated IRS1 Ser phosphorylation in primary rat myotubes--a potential model for PCOS-related insulin resistance. *PLoS One*. 2009;4(1):e4274. Available from: PubMed; PMID 19169352

Al-Ojaimi EH. Pregnancy outcomes after laparoscopic ovarian drilling in women with polycystic ovarian

syndrome. *Saudi Med J*. 2006 Apr;27(4):519-25. Available from: PubMed; PMID 16598331

Alshammari A, Hanley A, Ni A, Tomlinson G, Feig DS. Does the presence of polycystic ovary syndrome increase the risk of obstetrical complications in women with gestational diabetes? *J Matern Fetal Neonatal Med*. 2010 Jun;23(6):545-9. Available from: PubMed; PMID 19718584

Altuntas Y, Bilir M, Ucak S, Gundogdu S. Reactive hypoglycemia in lean young women with PCOS and correlations with insulin sensitivity and with beta cell function. *Eur J Obstet Gynecol Reprod Biol*. 2005 Apr 1;119(2):198-205. Available from: PubMed; PMID 15808380

Alvarez-Blasco F, Martinez-Garcia MA, Luque-Ramirez M, Parraza N, San Millan JL, Escobar-Morreale HF. Role of haptoglobin in polycystic ovary syndrome (PCOS), obesity and disorders of glucose tolerance in premenopausal women. *PLoS One*. 2009;4(5):e5606. Available from: PubMed; PMID 19440331

Amato MC, Galluzzo A, Merlino S, Mattina A, Richiusa P, Criscimanna A, Giordano C. Lower insulin sensitivity differentiates hirsute from non-hirsute Sicilian women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Dec;155(6):859-65. Available from: PubMed; PMID 17132756

Amato MC, Galluzzo A, Finocchiaro S, Criscimanna A, Giordano C. The evaluation of metabolic parameters and insulin sensitivity for a more robust diagnosis of the polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2008 Jul;69(1):52-60. Available from: PubMed; PMID 18034780

Amato MC, Verghi M, Galluzzo A, Giordano C. The oligomenorrhic phenotypes of polycystic ovary syndrome are characterized by a high visceral adiposity index: a likely condition of cardiometabolic risk. *Hum Reprod*. 2011 Jun;26(6):1486-94. Available from: PubMed; PMID 21447694

Amer S, Li TC, Samuelson C, Ledger W. The impact of insulin resistance on the outcome of laparoscopic ovarian diathermy in women with polycystic ovarian syndrome. *Acta Obstet Gynecol Scand*. 2011 Apr;90(4):338-43. Available from: PubMed; PMID 21306324

Amini M, Horri N, Farmani M, Haghighi S, Sattari G, Pornaghshband Z, Aminorroaya A. Prevalence of polycystic ovary syndrome in reproductive-aged women with type 2 diabetes. *Gynecol Endocrinol*. 2008 Aug;24(8):423-7. Available from: PubMed; PMID 18850378

Anaforoglu I, Algun E, Incecayir O, Ersoy K. Higher metabolic risk with National Institutes of Health versus Rotterdam diagnostic criteria for polycystic ovarian syndrome in Turkish women. *Metab Syndr Relat Disord*.

2011 Oct;9(5):375-80. Available from: PubMed; PMID 21657888

Anaforoglu I, Topbas M, Algun E. Relative associations of polycystic ovarian syndrome vs metabolic syndrome with thyroid function, volume, nodularity and autoimmunity. *J Endocrinol Invest*. 2011 Oct;34(9):e259-64. Available from: PubMed; PMID 21521934

Andy C, Flake D, French L. Clinical inquiries. Do insulin-sensitizing drugs increase ovulation rates for women with PCOS? *J Fam Pract*. 2005 Feb;54(2):156, 9-60. Available from: PubMed; PMID 15689292

Angioni S, Portoghese E, Milano F, Melis GB, Fulghesu AM. Diagnosis of metabolic disorders in women with polycystic ovary syndrome. *Obstet Gynecol Surv*. 2008 Dec;63(12):796-802. Available from: PubMed; PMID 19017415

Angioni S, Sanna S, Magnini R, Melis GB, Fulghesu AM. The quantitative insulin sensitivity check index is not able to detect early metabolic alterations in young patients with polycystic ovarian syndrome. *Gynecol Endocrinol*. 2011 Jul;27(7):468-74. Available from: PubMed; PMID 20540677

Antoine HJ, Pall M, Trader BC, Chen YD, Azziz R, Goodarzi MO. Genetic variants in peroxisome proliferator-activated receptor gamma influence insulin resistance and testosterone levels in normal women, but not those with polycystic ovary syndrome. *Fertil Steril*. 2007 Apr;87(4):862-9. Available from: PubMed; PMID 17141766

Apridonidze T, Essah PA, Iuorno MJ, Nestler JE. Prevalence and characteristics of the metabolic syndrome in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Apr;90(4):1929-35. Available from: PubMed; PMID 15623819

Ardabili HR, Gargari BP, Farzadi L. Vitamin D supplementation has no effect on insulin resistance assessment in women with polycystic ovary syndrome and vitamin D deficiency. *Nutr Res*. 2012 Mar;32(3):195-201. Available from: PubMed; PMID 22464806

Ardawi MS, Rouzi AA. Plasma adiponectin and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2005 Jun;83(6):1708-16. Available from: PubMed; PMID 15950640

Arikan S, Akay H, Bahceci M, Tuzcu A, Gokalp D. The evaluation of endothelial function with flow-mediated dilatation and carotid intima media thickness in young nonobese polycystic ovary syndrome patients; existence of insulin resistance alone may not represent an adequate condition for deterioration of endothelial function. *Fertil Steril*. 2009 Feb;91(2):450-5. Available from: PubMed; PMID 18501898



- Aroda V, Ciaraldi TP, Chang SA, Dahan MH, Chang RJ, Henry RR. Circulating and cellular adiponectin in polycystic ovary syndrome: relationship to glucose tolerance and insulin action. *Fertil Steril*. 2008 May;89(5):1200-8. Available from: PubMed; PMID 17706206
- Arslanian SA, Lewy VD, Danadian K. Glucose intolerance in obese adolescents with polycystic ovary syndrome: roles of insulin resistance and beta-cell dysfunction and risk of cardiovascular disease. *J Clin Endocrinol Metab*. 2001 Jan;86(1):66-71. Available from: PubMed; PMID 11231980
- Arslanian SA, Lewy V, Danadian K, Saad R. Metformin therapy in obese adolescents with polycystic ovary syndrome and impaired glucose tolerance: amelioration of exaggerated adrenal response to adrenocorticotropin with reduction of insulinemia/insulin resistance. *J Clin Endocrinol Metab*. 2002 Apr;87(4):1555-9. Available from: PubMed; PMID 11932281
- Asagami T, Holmes TH, Reaven G. Differential effects of insulin sensitivity on androgens in obese women with polycystic ovary syndrome or normal ovulation. *Metabolism*. 2008 Oct;57(10):1355-60. Available from: PubMed; PMID 18803938
- Attaoua R, Ait El Mkadem S, Radian S, Fica S, Hanzu F, Albu A, Gheorghiu M, Coculescu M, Grigorescu F. FTO gene associates to metabolic syndrome in women with polycystic ovary syndrome. *Biochem Biophys Res Commun*. 2008 Aug 22;373(2):230-4. Available from: PubMed; PMID 18572014
- Aydogdu A, Tasci I, Tapan S, Basaran Y, Aydogan U, Meric C, Sonmez A, Aydogdu S, Akbulut H, Taslipinar A, Uckaya G, Azal O. High plasma level of long Pentraxin 3 is associated with insulin resistance in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Sep;28(9):722-5. Available from: PubMed; PMID 22304663
- Azziz R. Polycystic ovary syndrome, insulin resistance, and molecular defects of insulin signaling. *J Clin Endocrinol Metab*. 2002 Sep;87(9):4085-7. Available from: PubMed; PMID 12213851
- Azziz R. We should avoid the indiscriminate use of insulin sensitizers in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Aug;80(2):264-5. Available from: PubMed; PMID 12909483
- Azziz R. How prevalent is metabolic syndrome in women with polycystic ovary syndrome? *Nat Clin Pract Endocrinol Metab*. 2006 Mar;2(3):132-3. Available from: PubMed; PMID 16932270
- Azziz R. Polycystic ovary syndrome is a family affair. *J Clin Endocrinol Metab*. 2008 May;93(5):1579-81. Available from: PubMed; PMID 18463352
- Bahceci M, Tuzcu A, Bahceci S, Tuzcu S. Is hyperprolactinemia associated with insulin resistance in non-obese patients with polycystic ovary syndrome? *J Endocrinol Invest*. 2003 Jul;26(7):655-9. Available from: PubMed; PMID 14594118
- Bahceci M, Tuzcu A, Canoruc N, Tuzun Y, Kidir V, Aslan C. Serum C-reactive protein (CRP) levels and insulin resistance in non-obese women with polycystic ovarian syndrome, and effect of bicalutamide on hirsutism, CRP levels and insulin resistance. *Horm Res*. 2004;62(6):283-7. Available from: PubMed; PMID 15542929
- Bahceci M, Aydemir M, Tuzcu A. Effects of oral fat and glucose tolerance test on serum lipid profile, apolipoprotein, and CRP concentration, and insulin resistance in patients with polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1363-8. Available from: PubMed; PMID 17362944
- Baillargeon JP, Iuorno MJ, Nestler JE. Insulin sensitizers for polycystic ovary syndrome. *Clin Obstet Gynecol*. 2003 Jun;46(2):325-40. Available from: PubMed; PMID 12808383
- Baillargeon JP. Use of insulin sensitizers in polycystic ovarian syndrome. *Curr Opin Investig Drugs*. 2005 Oct;6(10):1012-22. Available from: PubMed; PMID 16259222
- Baillargeon JP, Diamanti-Kandarakis E, Ostlund RE, Jr., Apridonidze T, Iuorno MJ, Nestler JE. Altered D-chiro-inositol urinary clearance in women with polycystic ovary syndrome. *Diabetes Care*. 2006 Feb;29(2):300-5. Available from: PubMed; PMID 16443877
- Baillargeon JP, Nestler JE. Commentary: polycystic ovary syndrome: a syndrome of ovarian hypersensitivity to insulin? *J Clin Endocrinol Metab*. 2006 Jan;91(1):22-4. Available from: PubMed; PMID 16263814
- Baillargeon JP, Carpentier AC. Brothers of women with polycystic ovary syndrome are characterised by impaired glucose tolerance, reduced insulin sensitivity and related metabolic defects. *Diabetologia*. 2007 Dec;50(12):2424-32. Available from: PubMed; PMID 17898989
- Bals-Pratsch M, Grosser B, Seifert B, Ortmann O, Seifarth C. Early onset and high prevalence of gestational diabetes in PCOS and insulin resistant women before and after assisted reproduction. *Exp Clin Endocrinol Diabetes*. 2011 Jun;119(6):338-42. Available from: PubMed; PMID 21374548
- Baptiste CG, Battista MC, Trottier A, Baillargeon JP. Insulin and hyperandrogenism in women with polycystic ovary syndrome. *J Steroid Biochem Mol Biol*. 2010 Oct;122(1-3):42-52. Available from: PubMed; PMID 20036327
- Baranova A, Tran TP, Bircerdinc A, Younossi ZM. Systematic review: association of polycystic ovary

syndrome with metabolic syndrome and non-alcoholic fatty liver disease. *Aliment Pharmacol Ther.* 2011 Apr;33(7):801-14. Available from: PubMed; PMID 21251033

Barber TM, Bennett AJ, Gloyn AL, Groves CJ, Sovio U, Ruokonen A, Martikainen H, Pouta A, Taponen S, Weedon MN, Hartikainen AL, Wass JA, Jarvelin MR, Zeggini E, Franks S, McCarthy MI. Relationship between E23K (an established type II diabetes-susceptibility variant within KCNJ11), polycystic ovary syndrome and androgen levels. *Eur J Hum Genet.* 2007 Jun;15(6):679-84. Available from: PubMed; PMID 17342155

Barber TM, Bennett AJ, Groves CJ, Sovio U, Ruokonen A, Martikainen H, Pouta A, Hartikainen AL, Elliott P, Wass JA, Jarvelin MR, Zeggini E, Franks S, McCarthy MI. Disparate genetic influences on polycystic ovary syndrome (PCOS) and type 2 diabetes revealed by a lack of association between common variants within the TCF7L2 gene and PCOS. *Diabetologia.* 2007 Nov;50(11):2318-22. Available from: PubMed; PMID 17805508

Barber TM, McCarthy MI, Franks S, Wass JA. Metabolic syndrome in polycystic ovary syndrome. *Endokrynol Pol.* 2007 Jan-Feb;58(1):34-41. Available from: PubMed; PMID 17354203

Barber TM, Franks S. The link between polycystic ovary syndrome and both Type 1 and Type 2 diabetes mellitus: what do we know today? *Womens Health (Lond Engl).* 2012 Mar;8(2):147-54. Available from: PubMed; PMID 22375718

Barcellos CR, Rocha MP, Hayashida SA, Nery M, Marcondes JA. Prevalence of abnormalities of glucose metabolism in patients with polycystic ovary syndrome. *Arq Bras Endocrinol Metabol.* 2007 Jun;51(4):601-5. Available from: PubMed; PMID 17684622

Barfield E, Liu YH, Kessler M, Pawelczak M, David R, Shah B. The prevalence of abnormal liver enzymes and metabolic syndrome in obese adolescent females with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2009 Oct;22(5):318-22. Available from: PubMed; PMID 19576817

Batista JG, Soares-Jr JM, Maganhin CC, Simoes RS, Tomaz G, Baracat EC. Assessing the benefits of rosiglitazone in women with polycystic ovary syndrome through its effects on insulin-like growth factor 1, insulin-like growth factor-binding protein-3 and insulin resistance: a pilot study. *Clinics (Sao Paulo).* 2012;67(3):283-7. Available from: PubMed; PMID 22473412

Battaglia C, Mancini F, Cianciosi A, Busacchi P, Facchinetti F, Marchesini GR, Marzocchi R, de Aloysio D. Vascular risk in young women with polycystic ovary and polycystic ovary syndrome. *Obstet Gynecol.* 2008 Feb;111(2 Pt 1):385-95. Available from: PubMed; PMID 18238977

Bayrak A, Terbell H, Urwitz-Lane R, Mor E, Stanczyk FZ, Paulson RJ. Acute effects of metformin therapy include improvement of insulin resistance and ovarian morphology. *Fertil Steril.* 2007 Apr;87(4):870-5. Available from: PubMed; PMID 17224152

Bayram F, Unluhizarci K, Kelestimur F. Potential utility of insulin sensitizers in the treatment of patients with Polycystic ovary syndrome. *Treat Endocrinol.* 2002;1(1):45-53. Available from: PubMed; PMID 15765620

Beckman JA, Goldfine AB, Dunaif A, Gerhard-Herman M, Creager MA. Endothelial function varies according to insulin resistance disease type. *Diabetes Care.* 2007 May;30(5):1226-32. Available from: PubMed; PMID 17261751

Begum MR, Khanam NN, Quadir E, Ferdous J, Begum MS, Khan F, Begum A. Prevention of gestational diabetes mellitus by continuing metformin therapy throughout pregnancy in women with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2009 Apr;35(2):282-6. Available from: PubMed; PMID 19708174

Bekx MT, Connor EC, Allen DB. Characteristics of adolescents presenting to a multidisciplinary clinic for polycystic ovarian syndrome. *J Pediatr Adolesc Gynecol.* 2010 Feb;23(1):7-10. Available from: PubMed; PMID 19648034

Belli SH, Graffigna MN, Oneto A, Otero P, Schurman L, Levalle OA. Effect of rosiglitazone on insulin resistance, growth factors, and reproductive disturbances in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Mar;81(3):624-9. Available from: PubMed; PMID 15037412

Ben-Haroush A, Yogev Y, Fisch B. Insulin resistance and metformin in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Aug 10;115(2):125-33. Available from: PubMed; PMID 15262344

Ben-Shlomo I. The polycystic ovary syndrome: what does insulin resistance have to do with it? *Reprod Biomed Online.* 2003 Jan-Feb;6(1):36-42. Available from: PubMed; PMID 12626141

Berent-Spillson A, Love T, Pop-Busui R, Sowers M, Persad CC, Pennington KP, Eyvazaddeh AD, Padmanabhan V, Zubieta JK, Smith YR. Insulin resistance influences central opioid activity in polycystic ovary syndrome. *Fertil Steril.* 2011 Jun 30;95(8):2494-8. Available from: PubMed; PMID 21486668

Bethea SW, Nestler JE. Comorbidities in polycystic ovary syndrome: their relationship to insulin resistance. *Panminerva Med.* 2008 Dec;50(4):295-304. Available from: PubMed; PMID 19078870

Bhathena RK. Insulin resistance and the long-term consequences of polycystic ovary syndrome. *J Obstet*

- Gynaecol. 2011;31(2):105-10. Available from: PubMed; PMID 21281021
- Bhatia V. Insulin resistance in polycystic ovarian disease. *South Med J*. 2005 Sep;98(9):903-10; quiz 11-2, 23. Available from: PubMed; PMID 16217983
- Bhattacharya SM. Metabolic syndrome in females with polycystic ovary syndrome and International Diabetes Federation criteria. *J Obstet Gynaecol Res*. 2008 Feb;34(1):62-6. Available from: PubMed; PMID 18226131
- Bhattacharya SM. Polycystic ovary syndrome and abnormalities in glucose tolerance. *Int J Gynaecol Obstet*. 2009 Apr;105(1):29-31. Available from: PubMed; PMID 19155002
- Bhattacharya SM. Prevalence of metabolic syndrome in women with polycystic ovary syndrome, using two proposed definitions. *Gynecol Endocrinol*. 2010 Jul;26(7):516-20. Available from: PubMed; PMID 20540665
- Bhattacharya SM. Insulin resistance and overweight-obese women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 May;26(5):344-7. Available from: PubMed; PMID 19903118
- Bhattacharya SM, Ghosh M. Insulin resistance and adolescent girls with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2010 Jun;23(3):158-61. Available from: PubMed; PMID 19963413
- Bhattacharya SM, Jha A. Prevalence and risk of metabolic syndrome in adolescent Indian girls with polycystic ovary syndrome using the 2009 'joint interim criteria'. *J Obstet Gynaecol Res*. 2011 Oct;37(10):1303-7. Available from: PubMed; PMID 21535308
- Bik W, Baranowska-Bik A, Wolinska-Witort E, Chmielowska M, Martynska L, Baranowska B. The relationship between metabolic status and levels of adiponectin and ghrelin in lean women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2007 Jun;23(6):325-31. Available from: PubMed; PMID 17616856
- Biyasheva A, Legro RS, Dunaif A, Urbanek M. Evidence for association between polycystic ovary syndrome (PCOS) and TCF7L2 and glucose intolerance in women with PCOS and TCF7L2. *J Clin Endocrinol Metab*. 2009 Jul;94(7):2617-25. Available from: PubMed; PMID 19351735
- Bjercke S, Dale PO, Tanbo T, Storeng R, Ertzeid G, Abyholm T. Impact of insulin resistance on pregnancy complications and outcome in women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2002;54(2):94-8. Available from: PubMed; PMID 12566751
- Blackwell VC, Salis P, Groves RW, Baldeweg SE, Conway GS, Unwin RJ. Partial lipodystrophy, polycystic ovary syndrome and proteinuria: a common link to insulin resistance? *J R Soc Med*. 2001 May;94(5):238-40. Available from: PubMed; PMID 11385092
- Bloomgarden ZT. Diabetes issues in women and children: polycystic ovary syndrome. *Diabetes Care*. 2003 Aug;26(8):2457-63. Available from: PubMed; PMID 12882878
- Bloomgarden ZT. Second World Congress on the Insulin Resistance Syndrome: mediators, pediatric insulin resistance, the polycystic ovary syndrome, and malignancy. *Diabetes Care*. 2005 Jul;28(7):1821-30. Available from: PubMed; PMID 15983348
- Bloomgarden ZT. Gut hormones, obesity, polycystic ovarian syndrome, malignancy, and lipodystrophy syndromes. *Diabetes Care*. 2007 Jul;30(7):1934-9. Available from: PubMed; PMID 17596508
- Bloomgarden ZT. The American Diabetes Association's 57th annual advanced postgraduate course: diabetes risk, vitamin D, polycystic ovary syndrome, and obstructive sleep apnea. *Diabetes Care*. 2011 Jan;34(1):e1-6. Available from: PubMed; PMID 21193614
- Boudreaux MY, Talbott EO, Kip KE, Brooks MM, Witchel SF. Risk of T2DM and impaired fasting glucose among PCOS subjects: results of an 8-year follow-up. *Curr Diab Rep*. 2006 Feb;6(1):77-83. Available from: PubMed; PMID 16522285
- Bremer AA, Miller WL. The serine phosphorylation hypothesis of polycystic ovary syndrome: a unifying mechanism for hyperandrogenemia and insulin resistance. *Fertil Steril*. 2008 May;89(5):1039-48. Available from: PubMed; PMID 18433749
- Brennan K, Huang A, Azziz R. Dehydroepiandrosterone sulfate and insulin resistance in patients with polycystic ovary syndrome. *Fertil Steril*. 2009 May;91(5):1848-52. Available from: PubMed; PMID 18439591
- Brettenthaler N, De Geyter C, Huber PR, Keller U. Effect of the insulin sensitizer pioglitazone on insulin resistance, hyperandrogenism, and ovulatory dysfunction in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Aug;89(8):3835-40. Available from: PubMed; PMID 15292314
- Brown AJ. Depression and insulin resistance: applications to polycystic ovary syndrome. *Clin Obstet Gynecol*. 2004 Sep;47(3):592-6. Available from: PubMed; PMID 15326421
- Bruns CM, Baum ST, Colman RJ, Dumesic DA, Eisner JR, Jensen MD, Whigham LD, Abbott DH. Prenatal androgen excess negatively impacts body fat distribution in a nonhuman primate model of polycystic ovary syndrome. *Int J Obes (Lond)*. 2007 Oct;31(10):1579-85. Available from: PubMed; PMID 17471299

- Bu Z, Kuok K, Meng J, Wang R, Xu B, Zhang H. The relationship between polycystic ovary syndrome, glucose tolerance status and serum preptin level. *Reprod Biol Endocrinol*. 2012;10:10. Available from: PubMed; PMID 22309801
- Caglar GS, Oztas E, Karadag D, Pabuccu R, Demirtas S. Ischemia-modified albumin and cardiovascular risk markers in polycystic ovary syndrome with or without insulin resistance. *Fertil Steril*. 2011 Jan;95(1):310-3. Available from: PubMed; PMID 20701906
- Cagnacci A, Paoletti AM, Renzi A, Orru M, Piloni M, Melis GB, Volpe A. Glucose metabolism and insulin resistance in women with polycystic ovary syndrome during therapy with oral contraceptives containing cyproterone acetate or desogestrel. *J Clin Endocrinol Metab*. 2003 Aug;88(8):3621-5. Available from: PubMed; PMID 12915645
- Cagnacci A. Oral contraceptives and insulin sensitivity. *Fertil Steril*. 2006 Aug;86(2):495-6; author reply 6-7. Available from: PubMed; PMID 16892490
- Cagnacci A. Oral contraceptives and insulin sensitivity. *Fertil Steril*. 2006 Jul;86(1):e5; author reply e6. Available from: PubMed; PMID 16750203
- Cakal E, Ozkaya M, Engin-Ustun Y, Ustun Y. Serum lipocalin-2 as an insulin resistance marker in patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2011 Feb;34(2):97-100. Available from: PubMed; PMID 20511727
- Cakal E, Ustun Y, Engin-Ustun Y, Ozkaya M, Kilinc M. Serum vaspin and C-reactive protein levels in women with polycystic ovaries and polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Jul;27(7):491-5. Available from: PubMed; PMID 20626239
- Carbunaru G, Prasad P, Scoccia B, Shea P, Hopwood N, Ziai F, Chang YT, Myers SE, Mason JI, Pang S. The hormonal phenotype of Nonclassic 3 beta-hydroxysteroid dehydrogenase (HSD3B) deficiency in hyperandrogenic females is associated with insulin-resistant polycystic ovary syndrome and is not a variant of inherited HSD3B2 deficiency. *J Clin Endocrinol Metab*. 2004 Feb;89(2):783-94. Available from: PubMed; PMID 14764797
- Carmassi F, De Negri F, Fioriti R, De Giorgi A, Giannarelli C, Fruzzetti F, Pedrinelli R, Dell'Omo G, Bersi C. Insulin resistance causes impaired vasodilation and hypofibrinolysis in young women with polycystic ovary syndrome. *Thromb Res*. 2005;116(3):207-14. Available from: PubMed; PMID 15935829
- Carmina E, Lobo RA. Use of fasting blood to assess the prevalence of insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2004 Sep;82(3):661-5. Available from: PubMed; PMID 15374711
- Carmina E. Metabolic syndrome in polycystic ovary syndrome. *Minerva Ginecol*. 2006 Apr;58(2):109-14. Available from: PubMed; PMID 16582867
- Carmina E, Napoli N, Longo RA, Rini GB, Lobo RA. Metabolic syndrome in polycystic ovary syndrome (PCOS): lower prevalence in southern Italy than in the USA and the influence of criteria for the diagnosis of PCOS. *Eur J Endocrinol*. 2006 Jan;154(1):141-5. Available from: PubMed; PMID 16382003
- Carmina E, Bucchieri S, Esposito A, Del Puente A, Mansueto P, Orio F, Di Fede G, Rini G. Abdominal fat quantity and distribution in women with polycystic ovary syndrome and extent of its relation to insulin resistance. *J Clin Endocrinol Metab*. 2007 Jul;92(7):2500-5. Available from: PubMed; PMID 17405838
- Castillo-Quan JI. Insulin resistance, hypercortisolism, polycystic ovarian syndrome, and depression--nonrandom associations? *Fertil Steril*. 2008 Apr;89(4):1029-30; author reply 30. Available from: PubMed; PMID 18325512
- Cataldo NA, Abbasi F, McLaughlin TL, Basina M, Fechner PY, Giudice LC, Reaven GM. Metabolic and ovarian effects of rosiglitazone treatment for 12 weeks in insulin-resistant women with polycystic ovary syndrome. *Hum Reprod*. 2006 Jan;21(1):109-20. Available from: PubMed; PMID 16155076
- Cekmez F, Cekmez Y, Pirgon O, Canpolat FE, Aydinoz S, Metin Ipcioglu O, Karademir F. Evaluation of new adipocytokines and insulin resistance in adolescents with polycystic ovary syndrome. *Eur Cytokine Netw*. 2011 Mar;22(1):32-7. Available from: PubMed; PMID 21411410
- Celik O, Yesilada E, Hascalik S, Celik N, Sahin I, Keskin L, Ozerol E. Angiotensin-converting enzyme gene polymorphism and risk of insulin resistance in PCOS. *Reprod Biomed Online*. 2010 Apr;20(4):492-8. Available from: PubMed; PMID 20138007
- Celik C, Abali R, Tasdemir N, Guzel S, Yuksel A, Aksu E, Yilmaz M. Is subclinical hypothyroidism contributing dyslipidemia and insulin resistance in women with polycystic ovary syndrome? *Gynecol Endocrinol*. 2012 Aug;28(8):615-8. Available from: PubMed; PMID 22329744
- Cenk Sayin N, Gucer F, Balkanli-Kaplan P, Ali Yuce M, Yardim T. Insulin resistance and lipid profile in women with polycystic appearing ovaries: implications with regard to polycystic ovary syndrome. *Gynecol Endocrinol*. 2003 Oct;17(5):387-96. Available from: PubMed; PMID 14710586
- Chan CC, Ng EH, Tang OS, Lee CP, Ho PC. The prevalence of polycystic ovaries in Chinese women with a history of gestational diabetes mellitus. *Gynecol Endocrinol*. 2006 Sep;22(9):516-20. Available from: PubMed; PMID 17071537

- Chan TF, Tsai YC, Chiu PR, Chen YL, Lee CH, Tsai EM. Serum retinol-binding protein 4 levels in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Feb;93(3):869-73. Available from: PubMed; PMID 19028383
- Chandrasekar R, Kiran U, Weerakkody AN. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG*. 2007 Mar;114(3):375-6; author reply 6. Available from: PubMed; PMID 17313391
- Chang W, Goodarzi MO, Williams H, Magoffin DA, Pall M, Azziz R. Adipocytes from women with polycystic ovary syndrome demonstrate altered phosphorylation and activity of glycogen synthase kinase 3. *Fertil Steril*. 2008 Dec;90(6):2291-7. Available from: PubMed; PMID 18178198
- Charmandari E, Chrousos GP. Metabolic syndrome manifestations in classic congenital adrenal hyperplasia: do they predispose to atherosclerotic cardiovascular disease and secondary polycystic ovary syndrome? *Ann N Y Acad Sci*. 2006 Nov;1083:37-53. Available from: PubMed; PMID 17148732
- Charnvise K, Weerakiet S, Tingthanatikul Y, Wansumrith S, Chanprasertyothin S, Rojanasakul A. Acanthosis nigricans: clinical predictor of abnormal glucose tolerance in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 Sep;21(3):161-4. Available from: PubMed; PMID 16335908
- Cheang KI, Baillargeon JP, Essah PA, Ostlund RE, Jr., Apridonize T, Islam L, Nestler JE. Insulin-stimulated release of D-chiro-inositol-containing inositolphosphoglycan mediator correlates with insulin sensitivity in women with polycystic ovary syndrome. *Metabolism*. 2008 Oct;57(10):1390-7. Available from: PubMed; PMID 18803944
- Cheang KI, Huszar JM, Best AM, Sharma S, Essah PA, Nestler JE. Long-term effect of metformin on metabolic parameters in the polycystic ovary syndrome. *Diab Vasc Dis Res*. 2009 Apr;6(2):110-9. Available from: PubMed; PMID 20368201
- Checa MA, Requena A, Salvador C, Tur R, Callejo J, Espinos JJ, Fabregues F, Herrero J. Insulin-sensitizing agents: use in pregnancy and as therapy in polycystic ovary syndrome. *Hum Reprod Update*. 2005 Jul-Aug;11(4):375-90. Available from: PubMed; PMID 15878899
- Chekir C, Nakatsuka M, Kamada Y, Noguchi S, Sasaki A, Hiramatsu Y. Impaired uterine perfusion associated with metabolic disorders in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2005 Feb;84(2):189-95. Available from: PubMed; PMID 15683382
- Chen MJ, Yang WS, Yang JH, Hsiao CK, Yang YS, Ho HN. Low sex hormone-binding globulin is associated with low high-density lipoprotein cholesterol and metabolic syndrome in women with PCOS. *Hum Reprod*. 2006 Sep;21(9):2266-71. Available from: PubMed; PMID 16757555
- Chen X, Yang D, Li L, Feng S, Wang L. Abnormal glucose tolerance in Chinese women with polycystic ovary syndrome. *Hum Reprod*. 2006 Aug;21(8):2027-32. Available from: PubMed; PMID 16684838
- Chen MJ, Yang WS, Chen CL, Wu MY, Yang YS, Ho HN. The relationship between anti-Mullerian hormone, androgen and insulin resistance on the number of antral follicles in women with polycystic ovary syndrome. *Hum Reprod*. 2008 Apr;23(4):952-7. Available from: PubMed; PMID 18256110
- Chen C, Smothers J, Lange A, Nestler JE, Strauss Iii JF, Wickham Iii EP. Sex hormone-binding globulin genetic variation: associations with type 2 diabetes mellitus and polycystic ovary syndrome. *Minerva Endocrinol*. 2010 Dec;35(4):271-80. Available from: PubMed; PMID 21178921
- Chen MJ, Chiu HM, Chen CL, Yang WS, Yang YS, Ho HN. Hyperandrogenemia is independently associated with elevated alanine aminotransferase activity in young women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2010 Jul;95(7):3332-41. Available from: PubMed; PMID 20427499
- Cheung LP, Ma RC, Lam PM, Lok IH, Haines CJ, So WY, Tong PC, Cockram CS, Chow CC, Goggins WB. Cardiovascular risks and metabolic syndrome in Hong Kong Chinese women with polycystic ovary syndrome. *Hum Reprod*. 2008 Jun;23(6):1431-8. Available from: PubMed; PMID 18359783
- Cho LW, Jayagopal V, Kilpatrick ES, Atkin SL. The mean and the biological variation of insulin resistance does not differ between polycystic ovary syndrome and type 2 diabetes. *Ann Clin Biochem*. 2009 May;46(Pt 3):218-21. Available from: PubMed; PMID 19389885
- Cho LW, Kilpatrick ES, Keevil BG, Coady AM, Atkin SL. Effect of metformin, orlistat and pioglitazone treatment on mean insulin resistance and its biological variability in polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2009 Feb;70(2):233-7. Available from: PubMed; PMID 18547343
- Cho LW, Kilpatrick ES, Keevil BG, Jayagopal V, Coady AM, Rigby AS, Atkin SL. Insulin resistance variability in women with anovulatory and ovulatory polycystic ovary syndrome, and normal controls. *Horm Metab Res*. 2011 Feb;43(2):141-5. Available from: PubMed; PMID 21234853
- Chu Y, Cui Q, Feng G, Song Z, Jiang X. The expression of resistin in adipose tissues of patients with polycystic ovary syndrome and insulin resistance. *J Huazhong Univ Sci*

Technol Med Sci. 2009 Oct;29(5):642-5. Available from: PubMed; PMID 19821101

Chun-Sen H, Chien-Hua W, Wan-Chun C, Ching-Tzu L, Chun-Jen C, Ming IH. Obesity and insulin resistance in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 May;27(5):300-6. Available from: PubMed; PMID 20500115

Ciampelli M, Leoni F, Cucinelli F, Mancuso S, Panunzi S, De Gaetano A, Lanzone A. Assessment of insulin sensitivity from measurements in the fasting state and during an oral glucose tolerance test in polycystic ovary syndrome and menopausal patients. *J Clin Endocrinol Metab*. 2005 Mar;90(3):1398-406. Available from: PubMed; PMID 15598698

Ciaraldi TP, Aroda V, Mudaliar S, Chang RJ, Henry RR. Polycystic ovary syndrome is associated with tissue-specific differences in insulin resistance. *J Clin Endocrinol Metab*. 2009 Jan;94(1):157-63. Available from: PubMed; PMID 18854391

Cibula D, Cifkova R, Fanta M, Poledne R, Zivny J, Skibova J. Increased risk of non-insulin dependent diabetes mellitus, arterial hypertension and coronary artery disease in perimenopausal women with a history of the polycystic ovary syndrome. *Hum Reprod*. 2000 Apr;15(4):785-9. Available from: PubMed; PMID 10739820

Cibula D, Skrha J, Hill M, Fanta M, Haakova L, Vrbikova J, Zivny J. Prediction of insulin sensitivity in nonobese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Dec;87(12):5821-5. Available from: PubMed; PMID 12466392

Cibula D. Is insulin resistance an essential component of PCOS?: The influence of confounding factors. *Hum Reprod*. 2004 Apr;19(4):757-9. Available from: PubMed; PMID 15033943

Cinar N, Kizilarlanoglu MC, Harmanci A, Aksoy DY, Bozdag G, Demir B, Yildiz BO. Depression, anxiety and cardiometabolic risk in polycystic ovary syndrome. *Hum Reprod*. 2011 Dec;26(12):3339-45. Available from: PubMed; PMID 21984577

Cittadini E. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):e57; author reply e8. Available from: PubMed; PMID 21514580

Codner E, Soto N, Lopez P, Trejo L, Avila A, Eyzaguirre FC, Iniguez G, Cassorla F. Diagnostic criteria for polycystic ovary syndrome and ovarian morphology in women with type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2006 Jun;91(6):2250-6. Available from: PubMed; PMID 16569737

Codner E, Escobar-Morreale HF. Clinical review: Hyperandrogenism and polycystic ovary syndrome in

women with type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2007 Apr;92(4):1209-16. Available from: PubMed; PMID 17284617

Codner E, Iniguez G, Villarroel C, Lopez P, Soto N, Sir-Petermann T, Cassorla F, Rey RA. Hormonal profile in women with polycystic ovarian syndrome with or without type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2007 Dec;92(12):4742-6. Available from: PubMed; PMID 17895317

Comerford KB, Almarino RU, Kim K, Karakas SE. Lean mass and insulin resistance in women with polycystic ovary syndrome. *Metabolism*. 2012 Sep;61(9):1256-60. Available from: PubMed; PMID 22424820

Coney P, Ladson G, Sweet S, Legro RS. Does polycystic ovary syndrome increase the disparity in metabolic syndrome and cardiovascular-related health for African-American women? *Semin Reprod Med*. 2008 Jan;26(1):35-8. Available from: PubMed; PMID 18181080

Conn JJ, Jacobs HS, Conway GS. The prevalence of polycystic ovaries in women with type 2 diabetes mellitus. *Clin Endocrinol (Oxf)*. 2000 Jan;52(1):81-6. Available from: PubMed; PMID 10651757

Corbett SJ, McMichael AJ, Prentice AM. Type 2 diabetes, cardiovascular disease, and the evolutionary paradox of the polycystic ovary syndrome: a fertility first hypothesis. *Am J Hum Biol*. 2009 Sep-Oct;21(5):587-98. Available from: PubMed; PMID 19533615

Corbould A, Kim YB, Youngren JF, Pender C, Kahn BB, Lee A, Dunaif A. Insulin resistance in the skeletal muscle of women with PCOS involves intrinsic and acquired defects in insulin signaling. *Am J Physiol Endocrinol Metab*. 2005 May;288(5):E1047-54. Available from: PubMed; PMID 15613682

Corbould A, Dunaif A. The adipose cell lineage is not intrinsically insulin resistant in polycystic ovary syndrome. *Metabolism*. 2007 May;56(5):716-22. Available from: PubMed; PMID 17445549

Corbould A. Insulin resistance in skeletal muscle and adipose tissue in polycystic ovary syndrome: are the molecular mechanisms distinct from type 2 diabetes? *Panminerva Med*. 2008 Dec;50(4):279-94. Available from: PubMed; PMID 19078869

Cosar E, Koken G, Sahin FK, Arioz DT, Yilmazer M. Insulin sensitivity does not differentiate by hirsutism in non-obese women with polycystic ovary syndrome. *Endocr J*. 2008 Jul;55(3):465-8. Available from: PubMed; PMID 18520106

Costa EC, Sa JC, Soares EM, Lemos TM, Maranhao TM, Azevedo GD. Anthropometric indices of central obesity how discriminators of metabolic syndrome in Brazilian women with polycystic ovary syndrome. *Gynecol*

Endocrinol. 2012 Jan;28(1):12-5. Available from: PubMed; PMID 21958393

Costello M, Shrestha B, Eden J, Sjoblom P, Johnson N. Insulin-sensitising drugs versus the combined oral contraceptive pill for hirsutism, acne and risk of diabetes, cardiovascular disease, and endometrial cancer in polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2007 (1):CD005552. Available from: PubMed; PMID 17253562

Coviello AD, Legro RS, Dunaif A. Adolescent girls with polycystic ovary syndrome have an increased risk of the metabolic syndrome associated with increasing androgen levels independent of obesity and insulin resistance. *J Clin Endocrinol Metab*. 2006 Feb;91(2):492-7. Available from: PubMed; PMID 16249280

Coviello AD, Sam S, Legro RS, Dunaif A. High prevalence of metabolic syndrome in first-degree male relatives of women with polycystic ovary syndrome is related to high rates of obesity. *J Clin Endocrinol Metab*. 2009 Nov;94(11):4361-6. Available from: PubMed; PMID 19837913

Cresswell J, Fraser R, Bruce C, Egger P, Phillips D, Barker DJ. Relationship between polycystic ovaries, body mass index and insulin resistance. *Acta Obstet Gynecol Scand*. 2003 Jan;82(1):61-4. Available from: PubMed; PMID 12580842

Cupisti S, Giltay EJ, Gooren LJ, Kronawitter D, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The impact of testosterone administration to female-to-male transsexuals on insulin resistance and lipid parameters compared with women with polycystic ovary syndrome. *Fertil Steril*. 2010 Dec;94(7):2647-53. Available from: PubMed; PMID 20451188

Cupisti S, Haberle L, Dittrich R, Oppelt PG, Reissmann C, Kronawitter D, Beckmann MW, Mueller A. Smoking is associated with increased free testosterone and fasting insulin levels in women with polycystic ovary syndrome, resulting in aggravated insulin resistance. *Fertil Steril*. 2010 Jul;94(2):673-7. Available from: PubMed; PMID 19394003

Cupisti S, Haeberle L, Schell C, Richter H, Schulze C, Hildebrandt T, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The different phenotypes of polycystic ovary syndrome: no advantages for identifying women with aggravated insulin resistance or impaired lipids. *Exp Clin Endocrinol Diabetes*. 2011 Sep;119(8):502-8. Available from: PubMed; PMID 21553368

Curry A. Better care for PCOS. Studying women's genes to find out what works. *Diabetes Forecast*. 2012 Mar;65(3):71-2. Available from: PubMed; PMID 22439384

Cussons AJ, Stuckey BG, Watts GF. Metabolic syndrome and cardiometabolic risk in PCOS. *Curr Diab Rep*. 2007 Feb;7(1):66-73. Available from: PubMed; PMID 17254520

Cussons AJ, Watts GF, Burke V, Shaw JE, Zimmet PZ, Stuckey BG. Cardiometabolic risk in polycystic ovary syndrome: a comparison of different approaches to defining the metabolic syndrome. *Hum Reprod*. 2008 Oct;23(10):2352-8. Available from: PubMed; PMID 18635531

Dahan MH, Goldstein J. Serum sex hormone-binding globulin levels show too much variability to be used effectively as a screening marker for insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Oct;86(4):934-41. Available from: PubMed; PMID 17027360

Dale PO, Tanbo T, Ertzeid G, Bjercke S, Oldereid N, Fedorcsak P, Abyholm T. The impact of insulin resistance on the outcome of laparoscopic ovarian electrocautery in infertile women with the polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Oct;19(4):182-9. Available from: PubMed; PMID 15724800

D'Anna R, Di Benedetto V, Rizzo P, Raffone E, Interdonato ML, Corrado F, Di Benedetto A. Myo-inositol may prevent gestational diabetes in PCOS women. *Gynecol Endocrinol*. 2012 Jun;28(6):440-2. Available from: PubMed; PMID 22122627

de Boer JA, Lambalk CB, Hendriks HH, van Aken C, van der Veen EA, Schoemaker J. Growth hormone secretion is impaired but not related to insulin sensitivity in non-obese patients with polycystic ovary syndrome. *Hum Reprod*. 2004 Mar;19(3):504-9. Available from: PubMed; PMID 14998943

de Leo V, la Marca A, Morgante G, Ciotta L, Mencaglia L, Cianci A, Petraglia F. Clomiphene citrate increases insulin-like growth factor binding protein-1 and reduces insulin-like growth factor-I without correcting insulin resistance associated with polycystic ovarian syndrome. *Hum Reprod*. 2000 Nov;15(11):2302-5. Available from: PubMed; PMID 11056123

De Leo V, Musacchio MC, Morgante G, La Marca A, Petraglia F. Polycystic ovary syndrome and type 2 diabetes mellitus. *Minerva Ginecol*. 2004 Feb;56(1):53-62. Available from: PubMed; PMID 14973410

de Paula Martins W, Santana LF, Nastri CO, Ferriani FA, de Sa MF, Dos Reis RM. Agreement among insulin sensitivity indexes on the diagnosis of insulin resistance in polycystic ovary syndrome and ovulatory women. *Eur J Obstet Gynecol Reprod Biol*. 2007 Aug;133(2):203-7. Available from: PubMed; PMID 17207902

de Sousa G, Schluter B, Menke T, Trowitzsch E, Andler W, Reinehr T. A comparison of polysomnographic variables between adolescents with polycystic ovarian syndrome with and without the metabolic syndrome. *Metab Syndr Relat Disord*. 2011 Jun;9(3):191-6. Available from: PubMed; PMID 21352077

- de Sousa G, Schluter B, Buschatz D, Menke T, Trowitzsch E, Andler W, Reinehr T. The impact of insulin resistance and hyperandrogenemia on polysomnographic variables in obese adolescents with polycystic ovarian syndrome. *Sleep Breath*. 2012 Mar;16(1):169-75. Available from: PubMed; PMID 21221823
- Dean HJ, Sellers EA. Type 2 diabetes, polycystic ovary syndrome and the insulin resistance syndrome in adolescents: Are they one big iceberg? *Paediatr Child Health*. 2002 May;7(5):333-6. Available from: PubMed; PMID 20046314
- Demirci H, Yilmaz M, Ergun MA, Yurtcu E, Bukan N, Ayvaz G. Frequency of adiponectin gene polymorphisms in polycystic ovary syndrome and the association with serum adiponectin, androgen levels, insulin resistance and clinical parameters. *Gynecol Endocrinol*. 2010 May;26(5):348-55. Available from: PubMed; PMID 20388053
- Demissie YN, Fiad TM, Klemm K, Twfeeg A, Al-Amoudi A, Meer L, Elhadd TA. Spontaneous singleton and twin pregnancy in two patients with polycystic ovary syndrome and type 2 diabetes following treatment with metformin combined with rosiglitazone. *Ann Saudi Med*. 2006 Jul-Aug;26(4):296-9. Available from: PubMed; PMID 16883081
- Dereli D, Ozgen G, Buyukkececi F, Guney E, Yilmaz C. Platelet dysfunction in lean women with polycystic ovary syndrome and association with insulin sensitivity. *J Clin Endocrinol Metab*. 2003 May;88(5):2263-8. Available from: PubMed; PMID 12727984
- DeUgarte CM, Bartolucci AA, Azziz R. Prevalence of insulin resistance in the polycystic ovary syndrome using the homeostasis model assessment. *Fertil Steril*. 2005 May;83(5):1454-60. Available from: PubMed; PMID 15866584
- Dewailly D, Contestin M, Gallo C, Catteau-Jonard S. Metabolic syndrome in young women with the polycystic ovary syndrome: revisiting the threshold for an abnormally decreased high-density lipoprotein cholesterol serum level. *BJOG*. 2010 Jan;117(2):175-80. Available from: PubMed; PMID 19832825
- Dhindsa G, Bhatia R, Dhindsa M, Bhatia V. Insulin resistance, insulin sensitization and inflammation in polycystic ovarian syndrome. *J Postgrad Med*. 2004 Apr-Jun;50(2):140-4. Available from: PubMed; PMID 15235215
- Diamanti-Kandarakis E, Zapanti E. Insulin sensitizers and antiandrogens in the treatment of polycystic ovary syndrome. *Ann N Y Acad Sci*. 2000;900:203-12. Available from: PubMed; PMID 10818407
- Diamanti-Kandarakis E, Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Nestler JE. A modern medical quandary: polycystic ovary syndrome, insulin resistance, and oral contraceptive pills. *J Clin Endocrinol Metab*. 2003 May;88(5):1927-32. Available from: PubMed; PMID 12727935
- Diamanti-Kandarakis E, Kandarakis HA. Conservative management of gynecologic diseases: insulin sensitizing agents in polycystic ovary syndrome. *Ann N Y Acad Sci*. 2003 Nov;997:322-9. Available from: PubMed; PMID 14644839
- Diamanti-Kandarakis E, Alexandraki K, Bergiele A, Kandarakis H, Mastorakos G, Aessopos A. Presence of metabolic risk factors in non-obese PCOS sisters: evidence of heritability of insulin resistance. *J Endocrinol Invest*. 2004 Nov;27(10):931-6. Available from: PubMed; PMID 15762040
- Diamanti-Kandarakis E, Kouli C, Alexandraki K, Spina G. Failure of mathematical indices to accurately assess insulin resistance in lean, overweight, or obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Mar;89(3):1273-6. Available from: PubMed; PMID 15001622
- Diamanti-Kandarakis E. Insulin resistance in PCOS. *Endocrine*. 2006 Aug;30(1):13-7. Available from: PubMed; PMID 17185787
- Diamanti-Kandarakis E, Economou F. Stress in women: metabolic syndrome and polycystic ovary syndrome. *Ann N Y Acad Sci*. 2006 Nov;1083:54-62. Available from: PubMed; PMID 17148733
- Diamanti-Kandarakis E, Papavassiliou AG. Molecular mechanisms of insulin resistance in polycystic ovary syndrome. *Trends Mol Med*. 2006 Jul;12(7):324-32. Available from: PubMed; PMID 16769248
- Diamanti-Kandarakis E, Christakou C, Kandarakis H. Polycystic ovarian syndrome: the commonest cause of hyperandrogenemia in women as a risk factor for metabolic syndrome. *Minerva Endocrinol*. 2007 Mar;32(1):35-47. Available from: PubMed; PMID 17353865
- Diamanti-Kandarakis E, Livadas S, Kandarakis SA, Papassotiriou I, Margeli A. Low free plasma levels of retinol-binding protein 4 in insulin-resistant subjects with polycystic ovary syndrome. *J Endocrinol Invest*. 2008 Nov;31(11):950-5. Available from: PubMed; PMID 19169049
- Diamanti-Kandarakis E, Dunaif A. Insulin Resistance and the Polycystic Ovary Syndrome Revisited: An Update on Mechanisms and Implications. *Endocr Rev*. 2012 Oct 12. Available from: PubMed; PMID 23065822
- Diamanti-Kandarakis E, Spritzer PM, Sir-Petermann T, Motta AB. Insulin resistance and polycystic ovary syndrome through life. *Curr Pharm Des*. 2012;18(34):5569-76. Available from: PubMed; PMID 22834924



- Diaz R. Reproductive endocrinology: Diabetes, puberty and pcoS risk. *Nat Rev Endocrinol*. 2011 Jan;7(1):3. Available from: PubMed; PMID 21197703
- Dickerson EH, Cho LW, Maguiness SD, Killick SL, Robinson J, Atkin SL. Insulin resistance and free androgen index correlate with the outcome of controlled ovarian hyperstimulation in non-PCOS women undergoing IVF. *Hum Reprod*. 2010 Feb;25(2):504-9. Available from: PubMed; PMID 19920068
- Dittrich R, Kajaia N, Cupisti S, Hoffmann I, Beckmann MW, Mueller A. Association of thyroid-stimulating hormone with insulin resistance and androgen parameters in women with PCOS. *Reprod Biomed Online*. 2009 Sep;19(3):319-25. Available from: PubMed; PMID 19778476
- Dokras A, Bochner M, Hollinrake E, Markham S, Vanvoorhis B, Jagasia DH. Screening women with polycystic ovary syndrome for metabolic syndrome. *Obstet Gynecol*. 2005 Jul;106(1):131-7. Available from: PubMed; PMID 15994628
- Dokras A, Jagasia DH, Maifeld M, Sinkey CA, VanVoorhis BJ, Haynes WG. Obesity and insulin resistance but not hyperandrogenism mediates vascular dysfunction in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Dec;86(6):1702-9. Available from: PubMed; PMID 17067587
- Douglas CC, Gower BA, Darnell BE, Ovalle F, Oster RA, Azziz R. Role of diet in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2006 Mar;85(3):679-88. Available from: PubMed; PMID 16500338
- Dravecka I, Lazurova I, Habalova V. The prevalence of Gly972Arg and C825T polymorphisms in Slovak women with polycystic ovary syndrome and their relation to the metabolic syndrome. *Gynecol Endocrinol*. 2010 May;26(5):356-60. Available from: PubMed; PMID 20170352
- Ducluzeau PH, Cousin P, Malvoisin E, Bornet H, Vidal H, Laville M, Pugeat M. Glucose-to-insulin ratio rather than sex hormone-binding globulin and adiponectin levels is the best predictor of insulin resistance in nonobese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Aug;88(8):3626-31. Available from: PubMed; PMID 12915646
- Dumesic DA, Schramm RD, Abbott DH. Early origins of polycystic ovary syndrome. *Reprod Fertil Dev*. 2005;17(3):349-60. Available from: PubMed; PMID 15745643
- Dunaif A. Insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S13-4. Available from: PubMed; PMID 16798274
- Duskova M, Cermakova I, Hill M, Vankova M, Samalikova P, Starka L. What may be the markers of the male equivalent of polycystic ovary syndrome? *Physiol Res*. 2004;53(3):287-94. Available from: PubMed; PMID 15209536
- Echiburru B, Perez-Bravo F, Maliqueo M, Sanchez F, Crisosto N, Sir-Petermann T. Polymorphism T --> C (-34 base pairs) of gene CYP17 promoter in women with polycystic ovary syndrome is associated with increased body weight and insulin resistance: a preliminary study. *Metabolism*. 2008 Dec;57(12):1765-71. Available from: PubMed; PMID 19013303
- Ehrmann DA. Glucose intolerance in the polycystic ovary syndrome: role of the pancreatic beta-cell. *J Pediatr Endocrinol Metab*. 2000;13 Suppl 5:1299-301. Available from: PubMed; PMID 11117674
- Ehrmann DA. Insulin resistance and polycystic ovary syndrome. *Curr Diab Rep*. 2002 Feb;2(1):71-6. Available from: PubMed; PMID 12643125
- Ehrmann DA. Genetic contributions to glucose intolerance in polycystic ovary syndrome. *Reprod Biomed Online*. 2004 Jul;9(1):28-34. Available from: PubMed; PMID 15257813
- Ehrmann DA, Breda E, Corcoran MC, Cavaghan MK, Imperial J, Toffolo G, Cobelli C, Polonsky KS. Impaired beta-cell compensation to dexamethasone-induced hyperglycemia in women with polycystic ovary syndrome. *Am J Physiol Endocrinol Metab*. 2004 Aug;287(2):E241-6. Available from: PubMed; PMID 14665448
- Ehrmann DA, Kasza K, Azziz R, Legro RS, Ghazzi MN. Effects of race and family history of type 2 diabetes on metabolic status of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Jan;90(1):66-71. Available from: PubMed; PMID 15507516
- Ehrmann DA, Liljenquist DR, Kasza K, Azziz R, Legro RS, Ghazzi MN. Prevalence and predictors of the metabolic syndrome in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Jan;91(1):48-53. Available from: PubMed; PMID 16249284
- Eilertsen TB, Vanky E, Carlsen SM. Increased prevalence of diabetes and polycystic ovary syndrome in women with a history of preterm birth: a case-control study. *BJOG*. 2012 Feb;119(3):266-75. Available from: PubMed; PMID 22168920
- Ek I, Arner P, Ryden M, Holm C, Thorne A, Hoffstedt J, Wahrenberg H. A unique defect in the regulation of visceral fat cell lipolysis in the polycystic ovary syndrome as an early link to insulin resistance. *Diabetes*. 2002 Feb;51(2):484-92. Available from: PubMed; PMID 11812759
- El Mkaem SA, Lautier C, Macari F, Molinari N, Lefebvre P, Renard E, Gris JC, Cros G, Daures JP, Bringer J, White MF, Grigorescu F. Role of allelic variants Gly972Arg of IRS-1 and Gly1057Asp of IRS-2 in moderate-to-severe

insulin resistance of women with polycystic ovary syndrome. *Diabetes*. 2001 Sep;50(9):2164-8. Available from: PubMed; PMID 11522686

Elhadd TA, Fiad T, Meer L. Ovarian stockpiling in polycystic ovary syndrome, infertility, and the combined use of rosiglitazone and metformin. *Diabetes Care*. 2006 Oct;29(10):2330-1. Available from: PubMed; PMID 17003323

El-Mazny A, Abou-Salem N, El-Sherbiny W, El-Mazny A. Insulin resistance, dyslipidemia, and metabolic syndrome in women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2010 Jun;109(3):239-41. Available from: PubMed; PMID 20199774

Elting MW, Korsen TJ, Bezemer PD, Schoemaker J. Prevalence of diabetes mellitus, hypertension and cardiac complaints in a follow-up study of a Dutch PCOS population. *Hum Reprod*. 2001 Mar;16(3):556-60. Available from: PubMed; PMID 11228228

Erel CT, Senturk LM, Kaleli S, Gezer A, Baysal B, Tasan E. Is serum leptin level regulated by thyroid functions, lipid metabolism and insulin resistance in polycystic ovary syndrome? *Gynecol Endocrinol*. 2003 Jun;17(3):223-9. Available from: PubMed; PMID 12857430

Eriksen M, Porneki AD, Skov V, Burns JS, Beck-Nielsen H, Glintborg D, Gaster M. Insulin resistance is not conserved in myotubes established from women with PCOS. *PLoS One*. 2010;5(12):e14469. Available from: PubMed; PMID 21209881

Escobar-Morreale HF, Roldan B, Barrio R, Alonso M, Sancho J, de la Calle H, Garcia-Robles R. High prevalence of the polycystic ovary syndrome and hirsutism in women with type 1 diabetes mellitus. *J Clin Endocrinol Metab*. 2000 Nov;85(11):4182-7. Available from: PubMed; PMID 11095451

Escobar-Morreale HF, Villuendas G, Botella-Carretero JI, Sancho J, San Millan JL. Obesity, and not insulin resistance, is the major determinant of serum inflammatory cardiovascular risk markers in pre-menopausal women. *Diabetologia*. 2003 May;46(5):625-33. Available from: PubMed; PMID 12739017

Escobar-Morreale HF, Botella-Carretero JI, Villuendas G, Sancho J, San Millan JL. Serum interleukin-18 concentrations are increased in the polycystic ovary syndrome: relationship to insulin resistance and to obesity. *J Clin Endocrinol Metab*. 2004 Feb;89(2):806-11. Available from: PubMed; PMID 14764799

Escobar-Morreale HF, Luque-Ramirez M, Gonzalez F. Circulating inflammatory markers in polycystic ovary syndrome: a systematic review and metaanalysis. *Fertil Steril*. 2011 Mar 1;95(3):1048-58 e1-2. Available from: PubMed; PMID 21168133

Espinos-Gomez JJ, Rodriguez-Espinosa J, Ordonez-Llanos J, Calaf-Alsina J. Metabolic syndrome in Mediterranean women with polycystic ovary syndrome: when and how to predict its onset. *Gynecol Endocrinol*. 2012 Apr;28(4):264-8. Available from: PubMed; PMID 21962027

Essah PA, Nestler JE. Metabolic syndrome in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S18-9. Available from: PubMed; PMID 16798277

Essah PA, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *J Endocrinol Invest*. 2006 Mar;29(3):270-80. Available from: PubMed; PMID 16682845

Essah PA, Wickham EP, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):205-25. Available from: PubMed; PMID 17304037

Ewens KG, Jones MR, Ankener W, Stewart DR, Urbanek M, Dunaif A, Legro RS, Chua A, Azziz R, Spielman RS, Goodarzi MO, Strauss JF, 3rd. Type 2 diabetes susceptibility single-nucleotide polymorphisms are not associated with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun 30;95(8):2538-41 e1-6. Available from: PubMed; PMID 21444075

Farrell K, Antoni MH. Insulin resistance, obesity, inflammation, and depression in polycystic ovary syndrome: biobehavioral mechanisms and interventions. *Fertil Steril*. 2010 Oct;94(5):1565-74. Available from: PubMed; PMID 20471009

Fedorcsak P, Storeng R, Dale PO, Tanbo T, Abyholm T. Impaired insulin action on granulosa-lutein cells in women with polycystic ovary syndrome and insulin resistance. *Gynecol Endocrinol*. 2000 Oct;14(5):327-36. Available from: PubMed; PMID 11109972

Fedorcsak P, Dale PO, Storeng R, Tanbo T, Abyholm T. The impact of obesity and insulin resistance on the outcome of IVF or ICSI in women with polycystic ovarian syndrome. *Hum Reprod*. 2001 Jun;16(6):1086-91. Available from: PubMed; PMID 11387273

Fedorcsak P, Dale PO, Storeng R, Abyholm T, Tanbo T. The effect of metformin on ovarian stimulation and in vitro fertilization in insulin-resistant women with polycystic ovary syndrome: an open-label randomized cross-over trial. *Gynecol Endocrinol*. 2003 Jun;17(3):207-14. Available from: PubMed; PMID 12857428

Fernandes AR, de Sa Rosa e Silva AC, Romao GS, Pata MC, dos Reis RM. Insulin resistance in adolescents with menstrual irregularities. *J Pediatr Adolesc Gynecol*. 2005 Aug;18(4):269-74. Available from: PubMed; PMID 16171731

Fica S, Albu A, Constantin M, Dobri GA. Insulin resistance and fertility in polycystic ovary syndrome. *J Med Life*.

- 2008 Oct-Dec;1(4):415-22. Available from: PubMed; PMID 20108521
- Filho RB, Domingues L, Naves L, Ferraz E, Alves A, Casulari LA. Polycystic ovary syndrome and hyperprolactinemia are distinct entities. *Gynecol Endocrinol.* 2007 May;23(5):267-72. Available from: PubMed; PMID 17558684
- Fisken RA. Metformin in polycystic ovary syndrome. *N Engl J Med.* 2008 Apr 24;358(17):1866-7; author reply 8. Available from: PubMed; PMID 18437727
- Fleischman A, Mansfield J. Diagnosis and treatment of polycystic ovarian syndrome and insulin resistance. *Pediatr Ann.* 2005 Sep;34(9):733-8, 41-2. Available from: PubMed; PMID 16222950
- Fleming R. The use of insulin sensitising agents in ovulation induction in women with polycystic ovary syndrome. *Hormones (Athens).* 2006 Jul-Sep;5(3):171-8. Available from: PubMed; PMID 16950750
- Freeman R, Pollack R, Rosenbloom E. Assessing impaired glucose tolerance and insulin resistance in polycystic ovarian syndrome with a muffin test: an alternative to the glucose tolerance test. *Endocr Pract.* 2010 Sep-Oct;16(5):810-7. Available from: PubMed; PMID 20439247
- Freemark M. Management of adolescents with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Nov;96(11):3354-6. Available from: PubMed; PMID 22058379
- Fruzzetti F, Bersi C, Parrini D, Ricci C, Genazzani AR. Effect of long-term naltrexone treatment on endocrine profile, clinical features, and insulin sensitivity in obese women with polycystic ovary syndrome. *Fertil Steril.* 2002 May;77(5):936-44. Available from: PubMed; PMID 12009347
- Fruzzetti F, Perini D, Lazzarini V, Parrini D, Genazzani AR. Hyperandrogenemia influences the prevalence of the metabolic syndrome abnormalities in adolescents with the polycystic ovary syndrome. *Gynecol Endocrinol.* 2009 May;25(5):335-43. Available from: PubMed; PMID 19903040
- Fulghesu AM, Ciampelli M, Muzj G, Belosi C, Selvaggi L, Ayala GF, Lanzone A. N-acetyl-cysteine treatment improves insulin sensitivity in women with polycystic ovary syndrome. *Fertil Steril.* 2002 Jun;77(6):1128-35. Available from: PubMed; PMID 12057717
- Fulghesu AM, Angioni S, Portoghese E, Milano F, Batetta B, Paoletti AM, Melis GB. Failure of the homeostatic model assessment calculation score for detecting metabolic deterioration in young patients with polycystic ovary syndrome. *Fertil Steril.* 2006 Aug;86(2):398-404. Available from: PubMed; PMID 16769061
- Fulghesu AM, Sanna F, Uda S, Magnini R, Portoghese E, Batetta B. IL-6 serum levels and production is related to an altered immune response in polycystic ovary syndrome girls with insulin resistance. *Mediators Inflamm.* 2011;2011:389317. Available from: PubMed; PMID 21547256
- Galazis N, Galazi M, Atiomo W. D-Chiro-inositol and its significance in polycystic ovary syndrome: a systematic review. *Gynecol Endocrinol.* 2011 Apr;27(4):256-62. Available from: PubMed; PMID 21142777
- Galazis N, Afxeniou T, Xenophontos M, Diamanti-Kandaraki E, Atiomo W. Proteomic Biomarkers of Type 2 Diabetes Mellitus (T2DM) Risk in Women with Polycystic Ovary Syndrome (PCOS). *Eur J Endocrinol.* 2012 Oct 23. Available from: PubMed; PMID 23093701
- Galazis N, Iacovou C, Haoula Z, Atiomo W. Metabolomic biomarkers of impaired glucose tolerance and type 2 diabetes mellitus with a potential for risk stratification in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2012 Feb;160(2):121-30. Available from: PubMed; PMID 22136882
- Galluzzo A, Amato MC, Giordano C. Insulin resistance and polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis.* 2008 Sep;18(7):511-8. Available from: PubMed; PMID 18657405
- Gambineri A, Pelusi C, Manicardi E, Vicennati V, Cacciari M, Morselli-Labate AM, Pagotto U, Pasquali R. Glucose intolerance in a large cohort of mediterranean women with polycystic ovary syndrome: phenotype and associated factors. *Diabetes.* 2004 Sep;53(9):2353-8. Available from: PubMed; PMID 15331545
- Gambineri A, Semple RK, Forlani G, Genghini S, Grassi I, Hyden CS, Pagotto U, O'Rahilly S, Pasquali R. Monogenic polycystic ovary syndrome due to a mutation in the lamin A/C gene is sensitive to thiazolidinediones but not to metformin. *Eur J Endocrinol.* 2008 Sep;159(3):347-53. Available from: PubMed; PMID 18728124
- Gambineri A, Repaci A, Patton L, Grassi I, Pocognoli P, Cognigni GE, Pasqui F, Pagotto U, Pasquali R. Prominent role of low HDL-cholesterol in explaining the high prevalence of the metabolic syndrome in polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis.* 2009 Dec;19(11):797-804. Available from: PubMed; PMID 19359152
- Gambineri A, Tomassoni F, Munarini A, Stimson RH, Mioni R, Pagotto U, Chapman KE, Andrew R, Mantovani V, Pasquali R, Walker BR. A combination of polymorphisms in HSD11B1 associates with in vivo 11 $\beta$ -HSD1 activity and metabolic syndrome in women with and without polycystic ovary syndrome. *Eur J Endocrinol.* 2011 Aug;165(2):283-92. Available from: PubMed; PMID 21622477

- Gambineri A, Patton L, Altieri P, Pagotto U, Pizzi C, Manzoli L, Pasquali R. Polycystic ovary syndrome is a risk factor for type 2 diabetes: results from a long-term prospective study. *Diabetes*. 2012 Sep;61(9):2369-74. Available from: PubMed; PMID 22698921
- Gangale MF, Miele L, Lanzone A, Sagnella F, Martinez D, Tropea A, Moro F, Morciano A, Ciardulli A, Palla C, Pompili M, Cefalo C, Grieco A, Apa R. Long-term metformin treatment is able to reduce the prevalence of metabolic syndrome and its hepatic involvement in young hyperinsulinaemic overweight patients with polycystic ovarian syndrome. *Clin Endocrinol (Oxf)*. 2011 Oct;75(4):520-7. Available from: PubMed; PMID 21569072
- Ganie MA, Laway BA, Wani TA, Zargar MA, Nisar S, Ahamed F, Khurana ML, Ahmed S. Association of subclinical hypothyroidism and phenotype, insulin resistance, and lipid parameters in young women with polycystic ovary syndrome. *Fertil Steril*. 2011 May;95(6):2039-43. Available from: PubMed; PMID 21333983
- Garruti G, Depalo R, Vita MG, Lorusso F, Giampetruzzi F, Damato AB, Giorgino F. Adipose tissue, metabolic syndrome and polycystic ovary syndrome: from pathophysiology to treatment. *Reprod Biomed Online*. 2009 Oct;19(4):552-63. Available from: PubMed; PMID 19909598
- Garry R. Is insulin resistance an essential component of PCOS?: The endometriosis syndromes: a clinical classification in the presence of aetiological confusion and therapeutic anarchy. *Hum Reprod*. 2004 Apr;19(4):760-8. Available from: PubMed; PMID 15033944
- Gebel E. A syndrome of their own: PCOS and its links to diabetes in women. *Diabetes Forecast*. 2012 Sep;65(9):32, 4. Available from: PubMed; PMID 22970510
- Gen R, Akbay E, Muslu N, Sezer K, Cayan F. Plasma visfatin level in lean women with PCOS: relation to proinflammatory markers and insulin resistance. *Gynecol Endocrinol*. 2009 Apr;25(4):241-5. Available from: PubMed; PMID 19408173
- Gennarelli G, Holte J, Berglund L, Berne C, Massobrio M, Lithell H. Prediction models for insulin resistance in the polycystic ovary syndrome. *Hum Reprod*. 2000 Oct;15(10):2098-102. Available from: PubMed; PMID 11006180
- Georgopoulos NA, Katsikis I, Florakis D, Panidis D, Kandarakis ED. Effect of sibutramine on weight reduction and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):e1. Available from: PubMed; PMID 19362719
- Georgopoulos NA, Saltamavros AD, Vervita V, Karkoulias K, Adonakis G, Decavalas G, Kourounis G, Markou KB, Kyriazopoulou V. Basal metabolic rate is decreased in women with polycystic ovary syndrome and biochemical hyperandrogenemia and is associated with insulin resistance. *Fertil Steril*. 2009 Jul;92(1):250-5. Available from: PubMed; PMID 18678372
- Glass KB, Czikk MJ. Diagnosing insulin resistance--a clarification. *Fertil Steril*. 2005 Feb;83(2):521-2; author reply 2. Available from: PubMed; PMID 15705414
- Glintborg D, Andersen M, Hagen C, Frystyk J, Hulstrom V, Flyvbjerg A, Hermann AP. Evaluation of metabolic risk markers in polycystic ovary syndrome (PCOS). Adiponectin, ghrelin, leptin and body composition in hirsute PCOS patients and controls. *Eur J Endocrinol*. 2006 Aug;155(2):337-45. Available from: PubMed; PMID 16868149
- Glintborg D, Hojlund K, Andersen M, Henriksen JE, Beck-Nielsen H, Handberg A. Soluble CD36 and risk markers of insulin resistance and atherosclerosis are elevated in polycystic ovary syndrome and significantly reduced during pioglitazone treatment. *Diabetes Care*. 2008 Feb;31(2):328-34. Available from: PubMed; PMID 18000176
- Glintborg D, Hojlund K, Andersen NR, Hansen BF, Beck-Nielsen H, Wojtaszewski JF. Impaired insulin activation and dephosphorylation of glycogen synthase in skeletal muscle of women with polycystic ovary syndrome is reversed by pioglitazone treatment. *J Clin Endocrinol Metab*. 2008 Sep;93(9):3618-26. Available from: PubMed; PMID 18544618
- Glintborg D, Hermann AP, Hagen C, Jensen LT, Frystyk J, Bennett P, Flyvbjerg A, Andersen M. A randomized placebo-controlled study on the effects of pioglitazone on cortisol metabolism in polycystic ovary syndrome. *Fertil Steril*. 2009 Mar;91(3):842-50. Available from: PubMed; PMID 18402944
- Glueck CJ, Wang P, Kobayashi S, Phillips H, Sieve-Smith L. Metformin therapy throughout pregnancy reduces the development of gestational diabetes in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Mar;77(3):520-5. Available from: PubMed; PMID 11872206
- Glueck CJ, Papanna R, Wang P, Goldenberg N, Sieve-Smith L. Incidence and treatment of metabolic syndrome in newly referred women with confirmed polycystic ovarian syndrome. *Metabolism*. 2003 Jul;52(7):908-15. Available from: PubMed; PMID 12870169
- Glueck CJ, Goldenberg N, Wang P, Loftspring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. *Hum Reprod*. 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944

- Glueck CJ, Aregawi D, Agloria M, Winiarska M, Sieve L, Wang P. Sustainability of 8% weight loss, reduction of insulin resistance, and amelioration of atherogenic-metabolic risk factors over 4 years by metformin-diet in women with polycystic ovary syndrome. *Metabolism*. 2006 Dec;55(12):1582-9. Available from: PubMed; PMID 17142128
- Glueck CJ, Goldenberg N, Sieve L, Wang P. An observational study of reduction of insulin resistance and prevention of development of type 2 diabetes mellitus in women with polycystic ovary syndrome treated with metformin and diet. *Metabolism*. 2008 Jul;57(7):954-60. Available from: PubMed; PMID 18555837
- Glueck CJ, Morrison JA, Wang P. Insulin resistance, obesity, hypofibrinolysis, hyperandrogenism, and coronary heart disease risk factors in 25 pre-perimenarchal girls age < or =14 years, 13 with precocious puberty, 23 with a first-degree relative with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2008 Oct;21(10):973-84. Available from: PubMed; PMID 19209619
- Glueck CJ, Prankoff J, Aregawi D, Wang P. Prevention of gestational diabetes by metformin plus diet in patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Mar;89(3):625-34. Available from: PubMed; PMID 17678910
- Glueck CJ, Morrison JA, Daniels S, Wang P, Stroop D. Sex hormone-binding globulin, oligomenorrhea, polycystic ovary syndrome, and childhood insulin at age 14 years predict metabolic syndrome and class III obesity at age 24 years. *J Pediatr*. 2011 Aug;159(2):308-13 e2. Available from: PubMed; PMID 21362574
- Godoy-Matos AF, Vaisman F, Pedrosa AP, Farias ML, Mendonca LM, Pinheiro MF. Central-to-peripheral fat ratio, but not peripheral body fat, is related to insulin resistance and androgen markers in polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Dec;25(12):793-8. Available from: PubMed; PMID 19905998
- Gokcel A, Bagis T, Zeyneloglu HB. Polycystic ovarian syndrome and insulin resistance in white and Mexican American women. *Am J Obstet Gynecol*. 2003 Jun;188(6):1661; author reply -2. Available from: PubMed; PMID 12825010
- Golbahar J, Al-Ayadhi M, Das NM, Gumaa K. Sensitive and specific markers for insulin resistance, hyperandrogenemia, and inappropriate gonadotrophin secretion in women with polycystic ovary syndrome: a case-control study from Bahrain. *Int J Womens Health*. 2012;4:201-6. Available from: PubMed; PMID 22654525
- Goldenberg N, Glueck CJ, Loftspring M, Sherman A, Wang P. Metformin-diet benefits in women with polycystic ovary syndrome in the bottom and top quintiles for insulin resistance. *Metabolism*. 2005 Jan;54(1):113-21. Available from: PubMed; PMID 15562389
- Gonzalez F, Minium J, Rote NS, Kirwan JP. Hyperglycemia alters tumor necrosis factor-alpha release from mononuclear cells in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Sep;90(9):5336-42. Available from: PubMed; PMID 15985479
- Gonzalez F, Rote NS, Minium J, Kirwan JP. In vitro evidence that hyperglycemia stimulates tumor necrosis factor-alpha release in obese women with polycystic ovary syndrome. *J Endocrinol*. 2006 Mar;188(3):521-9. Available from: PubMed; PMID 16522732
- Gonzalez F, Rote NS, Minium J, Kirwan JP. Increased activation of nuclear factor kappaB triggers inflammation and insulin resistance in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Apr;91(4):1508-12. Available from: PubMed; PMID 16464947
- Gonzalez F, Rote NS, Minium J, Kirwan JP. Reactive oxygen species-induced oxidative stress in the development of insulin resistance and hyperandrogenism in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Jan;91(1):336-40. Available from: PubMed; PMID 16249279
- Gonzalez F. Inflammation in Polycystic Ovary Syndrome: underpinning of insulin resistance and ovarian dysfunction. *Steroids*. 2012 Mar 10;77(4):300-5. Available from: PubMed; PMID 22178787
- Gonzalez F, Sia CL, Shepard MK, Rote NS, Minium J. Hyperglycemia-induced oxidative stress is independent of excess abdominal adiposity in normal-weight women with polycystic ovary syndrome. *Hum Reprod*. 2012 Aug 30. Available from: PubMed; PMID 22940766
- Goodarzi MO, Erickson S, Port SC, Jennrich RI, Korenman SG. Relative impact of insulin resistance and obesity on cardiovascular risk factors in polycystic ovary syndrome. *Metabolism*. 2003 Jun;52(6):713-9. Available from: PubMed; PMID 12800096
- Goodarzi MO, Korenman SG. The importance of insulin resistance in polycystic ovary syndrome. *Fertil Steril*. 2003 Aug;80(2):255-8. Available from: PubMed; PMID 12909480
- Goodarzi MO, Quinones MJ, Azziz R, Rotter JI, Hsueh WA, Yang H. Polycystic ovary syndrome in Mexican-Americans: prevalence and association with the severity of insulin resistance. *Fertil Steril*. 2005 Sep;84(3):766-9. Available from: PubMed; PMID 16169421
- Goodarzi MO, Azziz R. Metformin use in polycystic ovary syndrome: metabolic benefits and diabetes prevention. *Am J Med*. 2008 Aug;121(8):e9; author reply e11. Available from: PubMed; PMID 18691471
- Gottschalk ME. Adolescents, polycystic ovary syndrome, and insulin resistance syndrome. *Endocr Pract*. 2003 Sep-Oct;9 Suppl 2:81-5. Available from: PubMed; PMID 14698982

Guido M, Romualdi D, Lanzone A. Role of opioid antagonists in the treatment of women with glucoregulation abnormalities. *Curr Pharm Des.* 2006;12(8):1001-12. Available from: PubMed; PMID 16533167

Gulcelik NE, Aral Y, Serter R, Demir Y, Culha C. Adiponectin is an independent determinant of insulin resistance in women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2006 Sep;22(9):511-5. Available from: PubMed; PMID 17071536

Gulcelik NE, Aral Y, Serter R, Koc G. Association of hypoadiponectinemia with metabolic syndrome in patients with polycystic ovary syndrome. *J Natl Med Assoc.* 2008 Jan;100(1):64-8. Available from: PubMed; PMID 18277810

Guo M, Chen ZJ, Macklon NS, Shi YH, Westerveld HE, Eijkemans MJ, Fauser BC, Goverde AJ. Cardiovascular and metabolic characteristics of infertile Chinese women with PCOS diagnosed according to the Rotterdam consensus criteria. *Reprod Biomed Online.* 2010 Oct;21(4):572-80. Available from: PubMed; PMID 20800551

Haap M, Machicao F, Stefan N, Thamer C, Tschritter O, Schnuck F, Wallwiener D, Stumvoll M, Haring HU, Fritsche A. Genetic determinants of insulin action in polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2005 May;113(5):275-81. Available from: PubMed; PMID 15926113

Hacihanefioglu B, Seyisoglu H, Karsidag K, Elter K, Aksu F, Yilmaz T, Guro AO. Influence of insulin resistance on total renin level in normotensive women with polycystic ovary syndrome. *Fertil Steril.* 2000 Feb;73(2):261-5. Available from: PubMed; PMID 10685525

Haddad L, Evans JC, Gharani N, Robertson C, Rush K, Wiltshire S, Frayling TM, Wilkin TJ, Demaine A, Millward A, Hattersley AT, Conway G, Cox NJ, Bell GI, Franks S, McCarthy MI. Variation within the type 2 diabetes susceptibility gene calpain-10 and polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Jun;87(6):2606-10. Available from: PubMed; PMID 12050223

Hahn S, Frey UH, Siffert W, Tan S, Mann K, Janssen OE. The CC genotype of the GNAS T393C polymorphism is associated with obesity and insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2006 Nov;155(5):763-70. Available from: PubMed; PMID 17062894

Hahn S, Haselhorst U, Quadbeck B, Tan S, Kimmig R, Mann K, Janssen OE. Decreased soluble leptin receptor levels in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2006 Feb;154(2):287-94. Available from: PubMed; PMID 16452543

Hahn S, Haselhorst U, Tan S, Quadbeck B, Schmidt M, Roesler S, Kimmig R, Mann K, Janssen OE. Low serum

25-hydroxyvitamin D concentrations are associated with insulin resistance and obesity in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2006 Nov;114(10):577-83. Available from: PubMed; PMID 17177140

Hahn S, Tan S, Sack S, Kimmig R, Quadbeck B, Mann K, Janssen OE. Prevalence of the metabolic syndrome in German women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2007 Feb;115(2):130-5. Available from: PubMed; PMID 17318774

Halperin IJ, Kumar SS, Stroup DF, Laredo SE. The association between the combined oral contraceptive pill and insulin resistance, dysglycemia and dyslipidemia in women with polycystic ovary syndrome: a systematic review and meta-analysis of observational studies. *Hum Reprod.* 2011 Jan;26(1):191-201. Available from: PubMed; PMID 21059754

Hamed HO, Hasan AF, Ahmed OG, Ahmed MA. Metformin versus laparoscopic ovarian drilling in clomiphene- and insulin-resistant women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2010 Feb;108(2):143-7. Available from: PubMed; PMID 19892338

Hara M, Alcoser SY, Qaadir A, Beiswenger KK, Cox NJ, Ehrmann DA. Insulin resistance is attenuated in women with polycystic ovary syndrome with the Pro(12)Ala polymorphism in the PPARgamma gene. *J Clin Endocrinol Metab.* 2002 Feb;87(2):772-5. Available from: PubMed; PMID 11836319

Harrison CL, Stepto NK, Hutchison SK, Teede HJ. The impact of intensified exercise training on insulin resistance and fitness in overweight and obese women with and without polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2012 Mar;76(3):351-7. Available from: PubMed; PMID 21711376

Hart R, Doherty DA, Mori T, Huang RC, Norman RJ, Franks S, Sloboda D, Beilin L, Hickey M. Extent of metabolic risk in adolescent girls with features of polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):2347-53, 53 e1. Available from: PubMed; PMID 21450287

Hashimoto S, Yatabe J, Midorikawa S, Sanada H, Watanabe T. Inhibition of growth hormone excess reduces insulin resistance and ovarian dysfunction in a lean case of polycystic ovary syndrome with a growth-hormone-producing pituitary adenoma. *Horm Res.* 2003;59(3):149-55. Available from: PubMed; PMID 12637795

Haydardedeoglu B, Simsek E, Kilicdag EB, Bagis T. Metabolic and endocrine effects of metformin and metformin plus cyclic medroxyprogesterone acetate in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2009 Apr;105(1):32-5. Available from: PubMed; PMID 19155004

- Heald A, Whitehead S, Anderson S, Cruickshank K, Riste L, Laing I, Rudenski A, Buckler H. Screening for insulin resistance in women with polycystic ovarian syndrome. *Gynecol Endocrinol*. 2005 Feb;20(2):84-91. Available from: PubMed; PMID 15823827
- Hernandez-Yero A, Santana Perez F, Ovies Carballo G, Cabrera-Rode E. Diamel therapy in polycystic ovary syndrome reduces hyperinsulinaemia, insulin resistance, and hyperandrogenaemia. *Int J Endocrinol*. 2012;2012:382719. Available from: PubMed; PMID 22778733
- Hong Y, Yang D, Liu W, Zhao X, Chen X, Li L. Dyslipidemia in relation to body mass index and insulin resistance in Chinese women with polycystic ovary syndrome. *J Biol Regul Homeost Agents*. 2011 Jul-Sep;25(3):365-74. Available from: PubMed; PMID 22023761
- Hong Y, Zhao XM, Huang LL, Li L, Chen XL, Yang DZ. Serum visfatin is elevated in Chinese women with polycystic ovary syndrome, but might not be a reliable predictor of their glucose intolerance. *J Biol Regul Homeost Agents*. 2012 Apr-Jun;26(2):221-9. Available from: PubMed; PMID 22824749
- Horejsi R, Moller R, Rackl S, Giuliani A, Freytag U, Crailsheim K, Sudi K, Tafeit E. Android subcutaneous adipose tissue topography in lean and obese women suffering from PCOS: comparison with type 2 diabetic women. *Am J Phys Anthropol*. 2004 Jul;124(3):275-81. Available from: PubMed; PMID 15197822
- Hosseinpahan F, Barzin M, Tehrani FR, Azizi F. The lack of association between polycystic ovary syndrome and metabolic syndrome: Iranian PCOS prevalence study. *Clin Endocrinol (Oxf)*. 2011 Nov;75(5):692-7. Available from: PubMed; PMID 21592169
- Hudecova M, Holte J, Moby L, Olovsson M, Stridsberg M, Larsson A, Berglund L, Berne C, Sundstrom Poromaa I. Androgen levels, insulin sensitivity, and early insulin response in women with polycystic ovary syndrome: a long-term follow-up study. *Fertil Steril*. 2011 Mar 1;95(3):1146-8. Available from: PubMed; PMID 21036351
- Hudecova M, Holte J, Olovsson M, Larsson A, Berne C, Poromaa IS. Diabetes and impaired glucose tolerance in patients with polycystic ovary syndrome--a long term follow-up. *Hum Reprod*. 2011 Jun;26(6):1462-8. Available from: PubMed; PMID 21427116
- Hudecova M, Holte J, Olovsson M, Larsson A, Berne C, Sundstrom-Poromaa I. Prevalence of the metabolic syndrome in women with a previous diagnosis of polycystic ovary syndrome: long-term follow-up. *Fertil Steril*. 2011 Nov;96(5):1271-4. Available from: PubMed; PMID 21872228
- Hunter A, Vimplis S, Sharma A, Eid N, Atiomo W. To determine whether first-degree male relatives of women with polycystic ovary syndrome are at higher risk of developing cardiovascular disease and type II diabetes mellitus. *J Obstet Gynaecol*. 2007 Aug;27(6):591-6. Available from: PubMed; PMID 17896258
- Hurd WW, Abdel-Rahman MY, Ismail SA, Abdellah MA, Schmotzer CL, Sood A. Comparison of diabetes mellitus and insulin resistance screening methods for women with polycystic ovary syndrome. *Fertil Steril*. 2011 Oct;96(4):1043-7. Available from: PubMed; PMID 21813121
- Hutchison SK, Zoungas S, Teede HJ. Insulin levels, insulin resistance and the use of metformin in polycystic ovary syndrome. *Med J Aust*. 2007 Mar 5;186(5):268-9; author reply 71-2. Available from: PubMed; PMID 17391092
- Hutchison SK, Harrison C, Stepto N, Meyer C, Teede HJ. Retinol-binding protein 4 and insulin resistance in polycystic ovary syndrome. *Diabetes Care*. 2008 Jul;31(7):1427-32. Available from: PubMed; PMID 18390799
- Hutchison SK, Stepto NK, Harrison CL, Moran LJ, Strauss BJ, Teede HJ. Effects of exercise on insulin resistance and body composition in overweight and obese women with and without polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Jan;96(1):E48-56. Available from: PubMed; PMID 20926534
- Hutchison SK, Teede HJ, Rachon D, Harrison CL, Strauss BJ, Stepto NK. Effect of exercise training on insulin sensitivity, mitochondria and computed tomography muscle attenuation in overweight women with and without polycystic ovary syndrome. *Diabetologia*. 2012 May;55(5):1424-34. Available from: PubMed; PMID 22246378
- Iatrakis G, Tsionis C, Adonakis G, Stoikidou M, Anthouli-Anagnostopoulou F, Parava M, Vouxinou A, Georgopoulos NA, Kourounis G. Polycystic ovarian syndrome, insulin resistance and thickness of the endometrium. *Eur J Obstet Gynecol Reprod Biol*. 2006 Aug;127(2):218-21. Available from: PubMed; PMID 16517043
- Ibanez L, Ong K, Ferrer A, Amin R, Dunger D, de Zegher F. Low-dose flutamide-metformin therapy reverses insulin resistance and reduces fat mass in nonobese adolescents with ovarian hyperandrogenism. *J Clin Endocrinol Metab*. 2003 Jun;88(6):2600-6. Available from: PubMed; PMID 12788862
- Inder WJ. No evidence of benefit for universal screening with 75 g oral glucose tolerance test in polycystic ovary syndrome. *Med J Aust*. 2011 Nov 21;195(10):578-9. Available from: PubMed; PMID 22106998
- Indhavivadhana S, Wongwananuruk T, Rattanachaiyanont M, Techatrasak K, Leerasiri P, Tanmahasamut P, Popijan M. Prevalence of metabolic syndrome in reproductive-aged polycystic ovary syndrome Thai women. *J Med Assoc*

Thai. 2010 Jun;93(6):653-60. Available from: PubMed; PMID 20572369

Ireland K, Child T. Polycystic ovary syndrome and the postmenopausal woman. *J Br Menopause Soc.* 2006 Dec;12(4):143-8. Available from: PubMed; PMID 17178014

Jakubowicz D, Wainstein J, Homburg R. The link between polycystic ovarian syndrome and type 2 diabetes: preventive and therapeutic approach in Israel. *Isr Med Assoc J.* 2012 Jul;14(7):442-7. Available from: PubMed; PMID 22953622

Jammah AA, Somal KK, Power SG, McManus RM. Gestational diabetes after infertility treatment for polycystic ovarian syndrome. *Saudi Med J.* 2009 Apr;30(4):575-6. Available from: PubMed; PMID 19370293

Jatzko B, Ott J. Circulating inflammatory markers in polycystic ovary syndrome: a systematic review and meta-analysis. *Fertil Steril.* 2011 Oct;96(4):e158. Available from: PubMed; PMID 21839436

Jayagopal V, Kilpatrick ES, Holding S, Jennings PE, Atkin SL. The biological variation of insulin resistance in polycystic ovarian syndrome. *J Clin Endocrinol Metab.* 2002 Apr;87(4):1560-2. Available from: PubMed; PMID 11932282

Jayagopal V, Kilpatrick ES, Jennings PE, Hepburn DA, Atkin SL. The biological variation of testosterone and sex hormone-binding globulin (SHBG) in polycystic ovarian syndrome: implications for SHBG as a surrogate marker of insulin resistance. *J Clin Endocrinol Metab.* 2003 Apr;88(4):1528-33. Available from: PubMed; PMID 12679434

Jayaraman M, Subrahmanya HK, Modi K. Type 1 diabetes mellitus and polycystic ovary syndrome. *Endocr Pract.* 2009 Jan-Feb;15(1):80-1. Available from: PubMed; PMID 19211406

Jedel E, Gustafson D, Waern M, Sverrisdottir YB, Landen M, Janson PO, Labrie F, Ohlsson C, Stener-Victorin E. Sex steroids, insulin sensitivity and sympathetic nerve activity in relation to affective symptoms in women with polycystic ovary syndrome. *Psychoneuroendocrinology.* 2011 Nov;36(10):1470-9. Available from: PubMed; PMID 21549510

Jensterle M, Weber M, Pfeifer M, Prezelj J, Pflutzner A, Janez A. Assessment of insulin resistance in young women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2008 Aug;102(2):137-40. Available from: PubMed; PMID 18504045

Jin L, Zhu XM, Luo Q, Qian Y, Jin F, Huang HF. A novel SNP at exon 17 of INSR is associated with decreased insulin sensitivity in Chinese women with PCOS. *Mol Hum Reprod.* 2006 Mar;12(3):151-5. Available from: PubMed; PMID 16510536

Jinno M, Kondou K, Teruya K. Low-dose metformin improves pregnancy rate in in vitro fertilization repeaters without polycystic ovary syndrome: prediction of effectiveness by multiple parameters related to insulin resistance. *Hormones (Athens).* 2010 Apr-Jun;9(2):161-70. Available from: PubMed; PMID 20687400

Johansson J, Feng Y, Shao R, Lonn M, Billig H, Stener-Victorin E. Intense electroacupuncture normalizes insulin sensitivity, increases muscle GLUT4 content, and improves lipid profile in a rat model of polycystic ovary syndrome. *Am J Physiol Endocrinol Metab.* 2010 Oct;299(4):E551-9. Available from: PubMed; PMID 20663984

Jones MR, Wilson SG, Mullin BH, Mead R, Dudbridge F, Watts GF, Stuckey BG. Polymorphism in postinsulin receptor signaling pathway is not associated with polycystic ovary syndrome. *Fertil Steril.* 2008 Dec;90(6):2298-303. Available from: PubMed; PMID 18249389

Jones H, Sprung VS, Pugh CJ, Daousi C, Irwin A, Aziz N, Adams VL, Thomas EL, Bell JD, Kemp GJ, Cuthbertson DJ. Polycystic Ovary Syndrome with Hyperandrogenism Is Characterized by an Increased Risk of Hepatic Steatosis Compared to Nonhyperandrogenic PCOS Phenotypes and Healthy Controls, Independent of Obesity and Insulin Resistance. *J Clin Endocrinol Metab.* 2012 Oct;97(10):3709-16. Available from: PubMed; PMID 22837189

Kajaia N, Binder H, Dittrich R, Oppelt PG, Flor B, Cupisti S, Beckmann MW, Mueller A. Low sex hormone-binding globulin as a predictive marker for insulin resistance in women with hyperandrogenic syndrome. *Eur J Endocrinol.* 2007 Oct;157(4):499-507. Available from: PubMed; PMID 17893265

Kalra A, Nair S, Rai L. Association of obesity and insulin resistance with dyslipidemia in Indian women with polycystic ovarian syndrome. *Indian J Med Sci.* 2006 Nov;60(11):447-53. Available from: PubMed; PMID 17090865

Kalra P, Bansal B, Nag P, Singh JK, Gupta RK, Kumar S, Rathore RK, Bhatia V, Bhatia E. Abdominal fat distribution and insulin resistance in Indian women with polycystic ovarian syndrome. *Fertil Steril.* 2009 Apr;91(4 Suppl):1437-40. Available from: PubMed; PMID 18722605

Kandaraki E, Christakou C, Diamanti-Kandaraki E. Metabolic syndrome and polycystic ovary syndrome... and vice versa. *Arq Bras Endocrinol Metabol.* 2009 Mar;53(2):227-37. Available from: PubMed; PMID 19466215

Karabulut A, Turgut S, Turgut G. Angiotensin converting enzyme gene insertion/deletion polymorphism in patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2010



- Jun;26(6):393-8. Available from: PubMed; PMID 20170341
- Karabulut A, Demirlenk S, Sevket O. Effects of ethinyl estradiol-cyproterone acetate treatment on metabolic syndrome, fat distribution and carotid intima media thickness in polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Apr;28(4):245-8. Available from: PubMed; PMID 21961995
- Karabulut A, Yaylali GF, Demirlenk S, Sevket O, Acun A. Evaluation of body fat distribution in PCOS and its association with carotid atherosclerosis and insulin resistance. *Gynecol Endocrinol*. 2012 Feb;28(2):111-4. Available from: PubMed; PMID 21770828
- Karadeniz M, Erdogan M, Tamsel S, Zengi A, Alper GE, Caglayan O, Saygili F, Yilmaz C. Oxidative stress markers in young patients with polycystic ovary syndrome, the relationship between insulin resistances. *Exp Clin Endocrinol Diabetes*. 2008 Apr;116(4):231-5. Available from: PubMed; PMID 18393129
- Karakas SE, Kim K, Duleba AJ. Determinants of impaired fasting glucose versus glucose intolerance in polycystic ovary syndrome. *Diabetes Care*. 2010 Apr;33(4):887-93. Available from: PubMed; PMID 20067969
- Karakas S, Mortada R, Fellow C. In search of the "LINK": Acute Phase Serum Amyloid A. Atherosclerosis. 2011 Jun;216(2):266-8. Available from: PubMed; PMID 21450291
- Kashanian M, Fazy Z, Pirak A. Evaluation of the relationship between gestational diabetes and a history of polycystic ovarian syndrome. *Diabetes Res Clin Pract*. 2008 May;80(2):289-92. Available from: PubMed; PMID 18294722
- Katsikis I, Mouslech T, Kourtis A, Panidis D, Georgopoulos NA. Oligo-ovulation or anovulation and hyperandrogenemia contribute to the decreased serum adiponectin levels in normal-weight women with PCOS with obesity and insulin resistance. *Fertil Steril*. 2009 Apr;91(4):e3; author reply e4. Available from: PubMed; PMID 19243758
- Katsikis I, Karkanaki A, Misichronis G, Delkos D, Kandaraki EA, Panidis D. Phenotypic expression, body mass index and insulin resistance in relation to LH levels in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 Jun;156(2):181-5. Available from: PubMed; PMID 21353371
- Kauffman RP, Baker VM, Dimarino P, Gimpel T, Castracane VD. Polycystic ovarian syndrome and insulin resistance in white and Mexican American women: a comparison of two distinct populations. *Am J Obstet Gynecol*. 2002 Nov;187(5):1362-9. Available from: PubMed; PMID 12439532
- Kauffman RP, Tullar PE, Nipp RD, Castracane VD. Serum magnesium concentrations and metabolic variables in polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2011 May;90(5):452-8. Available from: PubMed; PMID 21306320
- Kaur S, Archer KJ, Devi MG, Kriplani A, Strauss JF, 3rd, Singh R. Differential Gene Expression in Granulosa Cells from Polycystic Ovary Syndrome Patients with and without Insulin Resistance: Identification of Susceptibility Gene Sets through Network Analysis. *J Clin Endocrinol Metab*. 2012 Oct;97(10):E2016-21. Available from: PubMed; PMID 22904171
- Kaushal R, Parchure N, Bano G, Kaski JC, Nussey SS. Insulin resistance and endothelial dysfunction in the brothers of Indian subcontinent Asian women with polycystic ovaries. *Clin Endocrinol (Oxf)*. 2004 Mar;60(3):322-8. Available from: PubMed; PMID 15008997
- Kaya C, Cengiz SD, Satioglu H. Obesity and insulin resistance associated with lower plasma vitamin B12 in PCOS. *Reprod Biomed Online*. 2009 Nov;19(5):721-6. Available from: PubMed; PMID 20021721
- Kazerooni T, Asadi N, Dehbashi S, Zolghadri J. Effect of folic acid in women with and without insulin resistance who have hyperhomocysteinemic polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2008 May;101(2):156-60. Available from: PubMed; PMID 18313674
- Kelestimur F, Unluhizarci K, Baybuga H, Atmaca H, Bayram F, Sahin Y. Prevalence of polycystic ovarian changes and polycystic ovary syndrome in premenopausal women with treated type 2 diabetes mellitus. *Fertil Steril*. 2006 Aug;86(2):405-10. Available from: PubMed; PMID 16762349
- Kelly C, Petrie J, Lyall H, Gould G, Connell J. Polycystic ovaries. *Lancet*. 2000 Jan 1;355(9197):68-9. Available from: PubMed; PMID 10615913
- Kent SC, Legro RS. Polycystic ovary syndrome in adolescents. *Adolesc Med*. 2002 Feb;13(1):73-88, vi. Available from: PubMed; PMID 11841956
- Ketel IJ, Stehouwer CD, Serne EH, Korsen TJ, Hompes PG, Smulders YM, de Jongh RT, Homburg R, Lambalk CB. Obese but not normal-weight women with polycystic ovary syndrome are characterized by metabolic and microvascular insulin resistance. *J Clin Endocrinol Metab*. 2008 Sep;93(9):3365-72. Available from: PubMed; PMID 18593766
- Khan KA, Stas S, Kurukulasuriya LR. Polycystic ovarian syndrome. *J Cardiometab Syndr*. 2006 Spring;1(2):125-30; quiz 31-2. Available from: PubMed; PMID 17679815
- Khattab S, Mohsen IA, Aboul Foutouh I, Ashmawi HS, Mohsen MN, van Wely M, van der Veen F, Youssef MA. Can metformin reduce the incidence of gestational diabetes

mellitus in pregnant women with polycystic ovary syndrome? Prospective cohort study. *Gynecol Endocrinol*. 2011 Oct;27(10):789-93. Available from: PubMed; PMID 21247239

Kilic-Okman T, Guldiken S, Kucuk M. Relationship between homocysteine and insulin resistance in women with polycystic ovary syndrome. *Endocr J*. 2004 Oct;51(5):505-8. Available from: PubMed; PMID 15516786

Kim LH, Taylor AE, Barbieri RL. Insulin sensitizers and polycystic ovary syndrome: can a diabetes medication treat infertility? *Fertil Steril*. 2000 Jun;73(6):1097-8. Available from: PubMed; PMID 10856463

Kim JW, Lee MH, Park JE, Yoon TK, Lee WS, Shim SH. Association of IL-18 genotype with impaired glucose regulation in Korean women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2012 Mar;161(1):51-5. Available from: PubMed; PMID 22226490

Klenke S, Tan S, Hahn S, Mann K, Hauner H, Manthey I, Peters J, Siffert W, Frey UH. A functional GNAQ promoter haplotype is associated with altered Gq expression and with insulin resistance and obesity in women with polycystic ovary syndrome. *Pharmacogenet Genomics*. 2010 Aug;20(8):476-84. Available from: PubMed; PMID 20562673

Kocak I, Ustun C. Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res*. 2006 Jun;32(3):292-8. Available from: PubMed; PMID 16764619

Koika V, Georgopoulos NA, Piouka A, Roupas ND, Karela A, Armeni AK, Katsantoni E, Panidis D. Increased frequency of the DI genotype of the angiotensin-I converting enzyme and association of the II genotype with insulin resistance in polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Apr;166(4):695-702. Available from: PubMed; PMID 22223701

Koiou E, Dinas K, Tziomalos K, Toulis K, Kandaraki EA, Kalaitzakis E, Katsikis I, Panidis D. The phenotypes of polycystic ovary syndrome defined by the 1990 diagnostic criteria are associated with higher serum vaspin levels than the phenotypes introduced by the 2003 criteria. *Obes Facts*. 2011;4(2):145-50. Available from: PubMed; PMID 21577021

Koivunen RM, Juutinen J, Vauhkonen I, Morin-Papunen LC, Ruokonen A, Tapanainen JS. Metabolic and steroidogenic alterations related to increased frequency of polycystic ovaries in women with a history of gestational diabetes. *J Clin Endocrinol Metab*. 2001 Jun;86(6):2591-9. Available from: PubMed; PMID 11397859

Kong GW, Cheung LP, Lok IH. Effects of laparoscopic ovarian drilling in treating infertile anovulatory polycystic ovarian syndrome patients with and without metabolic syndrome. *Hong Kong Med J*. 2011 Feb;17(1):5-10. Available from: PubMed; PMID 21282820

Kordella T. Research profile. A tale of two conditions. *Diabetes Forecast*. 2002 Jun;55(6):107-9. Available from: PubMed; PMID 14964181

Korhonen S, Hippelainen M, Niskanen L, Vanhala M, Saarikoski S. Relationship of the metabolic syndrome and obesity to polycystic ovary syndrome: a controlled, population-based study. *Am J Obstet Gynecol*. 2001 Feb;184(3):289-96. Available from: PubMed; PMID 11228476

Kosmala W, O'Moore-Sullivan TM, Plaksej R, Kuliczowska-Plaksej J, Przewlocka-Kosmala M, Marwick TH. Subclinical impairment of left ventricular function in young obese women: contributions of polycystic ovary disease and insulin resistance. *J Clin Endocrinol Metab*. 2008 Oct;93(10):3748-54. Available from: PubMed; PMID 18682502

Kousta E, Cela E, Lawrence N, Penny A, Millauer B, White D, Wilson H, Robinson S, Johnston D, McCarthy M, Franks S. The prevalence of polycystic ovaries in women with a history of gestational diabetes. *Clin Endocrinol (Oxf)*. 2000 Oct;53(4):501-7. Available from: PubMed; PMID 11012576

Kowalska I, Straczowski M, Nikolajuk A, Adamska A, Karczewska-Kupczewska M, Otziomek E, Wolczynski S, Gorska M. Serum visfatin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Hum Reprod*. 2007 Jul;22(7):1824-9. Available from: PubMed; PMID 17582143

Kowalska I, Fernandez-Real JM, Straczowski M, Kozłowska A, Adamska A, Ortega F, Nikolajuk A, Karczewska-Kupczewska M, Wolczynski S, Gorska M. Insulin resistance is associated with decreased circulating mannan-binding lectin concentrations in women with polycystic ovary syndrome. *Diabetes Care*. 2008 Apr;31(4):e20. Available from: PubMed; PMID 18375421

Kowalska I, Malecki MT, Straczowski M, Skupien J, Karczewska-Kupczewska M, Nikolajuk A, Szopa M, Adamska A, Wawrusiewicz-Kurylonek N, Wolczynski S, Sieradzki J, Gorska M. The FTO gene modifies weight, fat mass and insulin sensitivity in women with polycystic ovary syndrome, where its role may be larger than in other phenotypes. *Diabetes Metab*. 2009 Sep;35(4):328-31. Available from: PubMed; PMID 19625203

Krotkiewski M, Landin K, Dahlgren E, Janson PO, Holm G. Effect of two modes of antiandrogen treatment on insulin sensitivity and serum leptin in women with PCOS. *Gynecol Obstet Invest*. 2003;55(2):88-95. Available from: PubMed; PMID 12771455

Kulshreshtha B, Ganie MA, Praveen EP, Gupta N, Lal Khurana M, Seith A, Dwivedi SN, Kumar G, Ammini AC. Insulin response to oral glucose in healthy, lean young women and patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Nov;24(11):637-43. Available from: PubMed; PMID 19031221

Kurdoglu Z, Ozkol H, Tuluze Y, Koyuncu I. Oxidative status and its relation with insulin resistance in young non-obese women with polycystic ovary syndrome. *J Endocrinol Invest*. 2012 Mar;35(3):317-21. Available from: PubMed; PMID 21521935

Kurioka H, Takahashi K, Miyazaki K. Glucose intolerance in Japanese patients with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2007 Mar;275(3):169-73. Available from: PubMed; PMID 16972071

Kuscu NK, Var A. Oxidative stress but not endothelial dysfunction exists in non-obese, young group of patients with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2009;88(5):612-7. Available from: PubMed; PMID 19308750

la Marca A, Egbe TO, Morgante G, Paglia T, Cianci A, De Leo V. Metformin treatment reduces ovarian cytochrome P-450c17alpha response to human chorionic gonadotrophin in women with insulin resistance-related polycystic ovary syndrome. *Hum Reprod*. 2000 Jan;15(1):21-3. Available from: PubMed; PMID 10611182

Lakhani K, Prelevic GM, Seifalian AM, Atiomo WU, Hardiman P. Polycystic ovary syndrome, diabetes and cardiovascular disease: risks and risk factors. *J Obstet Gynaecol*. 2004 Sep;24(6):613-21. Available from: PubMed; PMID 16147598

Lam PM, Tam WH, Cheung LP. Higher metabolic risk in Chinese women fulfilling the NIH diagnostic criteria for polycystic ovarian syndrome. *Fertil Steril*. 2009 Apr;91(4 Suppl):1493-5. Available from: PubMed; PMID 18851848

Lanham MS, Lebovic DI, Domino SE. Contemporary medical therapy for polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2006 Dec;95(3):236-41. Available from: PubMed; PMID 17010975

Lankarani M, Valizadeh N, Heshmat R, Peimani M, Sohrabvand F. Evaluation of insulin resistance and metabolic syndrome in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Aug;25(8):504-7. Available from: PubMed; PMID 19499403

Lass N, Kleber M, Winkel K, Wunsch R, Reinehr T. Effect of lifestyle intervention on features of polycystic ovarian syndrome, metabolic syndrome, and intima-media thickness in obese adolescent girls. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3533-40. Available from: PubMed; PMID 21880803

Lau DC. Screening for diabetes in women with polycystic ovary syndrome. *CMAJ*. 2007 Mar 27;176(7):951-2. Available from: PubMed; PMID 17389444

Lebinger TG. Metformin and polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2007 Apr;14(2):132-40. Available from: PubMed; PMID 17940431

Lee F, Patel HR, Copland P, Kahn L. Fowler's syndrome: cause or consequence of insulin resistance? *BJU Int*. 2002 Jan;89(1):138. Available from: PubMed; PMID 11849180

Lee JW, Im JA, Lee DC, Lee HR, Shim JY. Retinol-binding protein in nonobese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2008 May;68(5):786-90. Available from: PubMed; PMID 17986278

Lee H, Oh JY, Sung YA, Chung H, Cho WY. The prevalence and risk factors for glucose intolerance in young Korean women with polycystic ovary syndrome. *Endocrine*. 2009 Oct;36(2):326-32. Available from: PubMed; PMID 19688613

Lee SH, Chung DJ, Lee HS, Kim TJ, Kim MH, Jeong HJ, Im JA, Lee DC, Lee JW. Mitochondrial DNA copy number in peripheral blood in polycystic ovary syndrome. *Metabolism*. 2011 Dec;60(12):1677-82. Available from: PubMed; PMID 21676419

Legro RS. Diabetes prevalence and risk factors in polycystic ovary syndrome. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):99-109. Available from: PubMed; PMID 11293007

Legro RS. Detection of insulin resistance and its treatment in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2002 Dec;15 Suppl 5:1367-78. Available from: PubMed; PMID 12510993

Legro RS, Bentley-Lewis R, Driscoll D, Wang SC, Dunaif A. Insulin resistance in the sisters of women with polycystic ovary syndrome: association with hyperandrogenemia rather than menstrual irregularity. *J Clin Endocrinol Metab*. 2002 May;87(5):2128-33. Available from: PubMed; PMID 11994352

Legro RS, Urbanek M, Kunselman AR, Leiby BE, Dunaif A. Self-selected women with polycystic ovary syndrome are reproductively and metabolically abnormal and undertreated. *Fertil Steril*. 2002 Jul;78(1):51-7. Available from: PubMed; PMID 12095490

Legro RS, Azziz R, Ehrmann D, Fereshetian AG, O'Keefe M, Ghazzi MN. Minimal response of circulating lipids in women with polycystic ovary syndrome to improvement in insulin sensitivity with troglitazone. *J Clin Endocrinol Metab*. 2003 Nov;88(11):5137-44. Available from: PubMed; PMID 14602740

Legro RS, Castracane VD, Kauffman RP. Detecting insulin resistance in polycystic ovary syndrome: purposes and

- pitfalls. *Obstet Gynecol Surv.* 2004 Feb;59(2):141-54. Available from: PubMed; PMID 14752302
- Legro RS. Type 2 diabetes and polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S16-7. Available from: PubMed; PMID 16798276
- Leibel NI, Baumann EE, Kocherginsky M, Rosenfield RL. Relationship of adolescent polycystic ovary syndrome to parental metabolic syndrome. *J Clin Endocrinol Metab.* 2006 Apr;91(4):1275-83. Available from: PubMed; PMID 16449341
- Lemay A, Dodin S, Turcot L, Dechene F, Forest JC. Rosiglitazone and ethinyl estradiol/cyproterone acetate as single and combined treatment of overweight women with polycystic ovary syndrome and insulin resistance. *Hum Reprod.* 2006 Jan;21(1):121-8. Available from: PubMed; PMID 16199428
- Lembo G, Grassi G. A lesson from polycystic ovarian syndrome: untangling the role of renal sympathetic nervous system on hypertension and insulin resistance. *J Hypertens.* 2011 May;29(5):836-7. Available from: PubMed; PMID 21475046
- Lewandowski KC, Szosland K, O'Callaghan C, Tan BK, Randeve HS, Lewinski A. Adiponectin and resistin serum levels in women with polycystic ovary syndrome during oral glucose tolerance test: a significant reciprocal correlation between adiponectin and resistin independent of insulin resistance indices. *Mol Genet Metab.* 2005 May;85(1):61-9. Available from: PubMed; PMID 15862282
- Lewy VD, Danadian K, Witchel SF, Arslanian S. Early metabolic abnormalities in adolescent girls with polycystic ovarian syndrome. *J Pediatr.* 2001 Jan;138(1):38-44. Available from: PubMed; PMID 11148510
- Li M, Youngren JF, Dunaif A, Goldfine ID, Maddux BA, Zhang BB, Evans JL. Decreased insulin receptor (IR) autophosphorylation in fibroblasts from patients with PCOS: effects of serine kinase inhibitors and IR activators. *J Clin Endocrinol Metab.* 2002 Sep;87(9):4088-93. Available from: PubMed; PMID 12213853
- Li L, Yang D, Chen X, Chen Y, Feng S, Wang L. Clinical and metabolic features of polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2007 May;97(2):129-34. Available from: PubMed; PMID 17368460
- Li G, Fan L, Zhang L, Zhang W, Huang X. Metabolic parameters and perinatal outcomes of gestational diabetes mellitus in women with polycystic ovary syndrome. *J Perinat Med.* 2010 Mar;38(2):141-6. Available from: PubMed; PMID 20146658
- Li Q, Huang DM, Lu FE, Xie Y, Xu LJ, Zou X, Gong D, Wang ZS. Effects of Bushen Tongmai Recipe on protein kinase Balpha expression in polycystic ovary rats with insulin resistance. *Chin J Integr Med.* 2010 Aug;16(4):324-30. Available from: PubMed; PMID 20697943
- Li HW, Brereton RE, Anderson RA, Wallace AM, Ho CK. Vitamin D deficiency is common and associated with metabolic risk factors in patients with polycystic ovary syndrome. *Metabolism.* 2011 Oct;60(10):1475-81. Available from: PubMed; PMID 21550088
- Li Q, Yang G, Wang Y, Zhang X, Sang Q, Wang H, Zhao X, Xing Q, He L, Wang L. Common genetic variation in the 3'-untranslated region of gonadotropin-releasing hormone receptor regulates gene expression in cells and is associated with thyroid function, insulin secretion as well as insulin sensitivity in polycystic ovary syndrome patients. *Hum Genet.* 2011 May;129(5):553-61. Available from: PubMed; PMID 21274726
- Li W, Ma L, Li Q. Insulin resistance but not impaired beta-cell function: a key feature in Chinese normal-weight PCOS women with normal glucose regulation. *Gynecol Endocrinol.* 2012 Aug;28(8):598-601. Available from: PubMed; PMID 22309514
- Liang F, Koya D. Acupuncture: is it effective for treatment of insulin resistance? *Diabetes Obes Metab.* 2010 Jul;12(7):555-69. Available from: PubMed; PMID 20590731
- Lin TC, Yen JM, Gong KB, Kuo TC, Ku DC, Liang SF, Wu MJ. Abnormal glucose tolerance and insulin resistance in polycystic ovary syndrome amongst the Taiwanese population- not correlated with insulin receptor substrate-1 Gly972Arg/Ala513Pro polymorphism. *BMC Med Genet.* 2006;7:36. Available from: PubMed; PMID 16603055
- Littlejohn EE, Weiss RE, Deplewski D, Edidin DV, Rosenfield R. Intractable early childhood obesity as the initial sign of insulin resistant hyperinsulinism and precursor of polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2007 Jan;20(1):41-51. Available from: PubMed; PMID 17315528
- Liu KE, Tataryn IV, Sagle M. Use of metformin for ovulation induction in women who have polycystic ovary syndrome with or without evidence of insulin resistance. *J Obstet Gynaecol Can.* 2006 Jul;28(7):595-9. Available from: PubMed; PMID 16916482
- Lo JC, Feigenbaum SL, Escobar GJ, Yang J, Crites YM, Ferrara A. Increased prevalence of gestational diabetes mellitus among women with diagnosed polycystic ovary syndrome: a population-based study. *Diabetes Care.* 2006 Aug;29(8):1915-7. Available from: PubMed; PMID 16873802
- Lord J, Thomas R, Fox B, Acharya U, Wilkin T. The effect of metformin on fat distribution and the metabolic syndrome in women with polycystic ovary syndrome--a randomised, double-blind, placebo-controlled trial. *BJOG.* 2006 Jul;113(7):817-24. Available from: PubMed; PMID 16827766

Lord J, Thomas R, Fox B, Acharya U, Wilkin T. The central issue? Visceral fat mass is a good marker of insulin resistance and metabolic disturbance in women with polycystic ovary syndrome. *BJOG*. 2006 Oct;113(10):1203-9. Available from: PubMed; PMID 16753044

Lorenz LB, Wild RA. Polycystic ovarian syndrome: an evidence-based approach to evaluation and management of diabetes and cardiovascular risks for today's clinician. *Clin Obstet Gynecol*. 2007 Mar;50(1):226-43. Available from: PubMed; PMID 17304038

Lucidi RS, Thyer AC, Easton CA, Holden AE, Schenken RS, Brzyski RG. Effect of chromium supplementation on insulin resistance and ovarian and menstrual cyclicality in women with polycystic ovary syndrome. *Fertil Steril*. 2005 Dec;84(6):1755-7. Available from: PubMed; PMID 16359984

Ludwig AK, Weiss JM, Tauchert S, Dietze T, Rudolf S, Diedrich K, Peters A, Oltmanns KM. Influence of hypo- and hyperglycaemia on plasma leptin concentrations in healthy women and in women with polycystic ovary syndrome. *Hum Reprod*. 2007 Jun;22(6):1555-61. Available from: PubMed; PMID 17395684

Luef G, Abraham I, Haslinger M, Trinka E, Seppi K, Unterberger I, Alge A, Windisch J, Lechleitner M, Bauer G. Polycystic ovaries, obesity and insulin resistance in women with epilepsy. A comparative study of carbamazepine and valproic acid in 105 women. *J Neurol*. 2002 Jul;249(7):835-41. Available from: PubMed; PMID 12140666

Lunde O, Tanbo T. Polycystic ovary syndrome: a follow-up study on diabetes mellitus, cardiovascular disease and malignancy 15-25 years after ovarian wedge resection. *Gynecol Endocrinol*. 2007 Dec;23(12):704-9. Available from: PubMed; PMID 18075845

Lungu AO, Zadeh ES, Goodling A, Cochran E, Gorden P. Insulin resistance is a sufficient basis for hyperandrogenism in lipodystrophic women with polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2012 Feb;97(2):563-7. Available from: PubMed; PMID 22090274

Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JJ, Sanchez R, San Millan JL, Escobar-Morreale HF. Increased body iron stores of obese women with polycystic ovary syndrome are a consequence of insulin resistance and hyperinsulinism and are not a result of reduced menstrual losses. *Diabetes Care*. 2007 Sep;30(9):2309-13. Available from: PubMed; PMID 17536071

Luque-Ramirez M, Alpanes M, Escobar-Morreale HF. The determinants of insulin sensitivity, beta-cell function, and glucose tolerance are different in patients with polycystic ovary syndrome than in women who do not have hyperandrogenism. *Fertil Steril*. 2010 Nov;94(6):2214-21. Available from: PubMed; PMID 20097337

Luque-Ramirez M, Escobar-Morreale HF. Treatment of polycystic ovary syndrome (PCOS) with metformin ameliorates insulin resistance in parallel with the decrease of serum interleukin-6 concentrations. *Horm Metab Res*. 2010 Oct;42(11):815-20. Available from: PubMed; PMID 20730705

Lv L, Liu Y. Effect of rosiglitazone on endocrine, metabolism and ovulatory performance in patients with polycystic ovary syndrome and insulin resistance. *J Huazhong Univ Sci Technolog Med Sci*. 2004;24(5):480-2. Available from: PubMed; PMID 15641698

Lydic ML, McNurlan M, Bembo S, Mitchell L, Komaroff E, Gelato M. Chromium picolinate improves insulin sensitivity in obese subjects with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86(1):243-6. Available from: PubMed; PMID 16730719

Ma F, Qiao L, Yue H, Xie S, Zhou X, Jiang M, Zhang W, Qi J, Wang L, Xu K. Homeostasis model assessment-insulin resistance (HOMA-IR), a key role for assessing the ovulation function in polycystic ovary syndrome (PCOS) patients with insulin resistance. *Endocr J*. 2008 Oct;55(5):943-5. Available from: PubMed; PMID 18552461

Maciel GA, Soares Junior JM, Alves da Motta EL, Abi Haidar M, de Lima GR, Baracat EC. Nonobese women with polycystic ovary syndrome respond better than obese women to treatment with metformin. *Fertil Steril*. 2004 Feb;81(2):355-60. Available from: PubMed; PMID 14967373

Macut D, Panidis D, Glisic B, Spanos N, Petakov M, Bjekic J, Stanojlovic O, Rousso D, Kourtis A, Bozic I, Damjanovic S. Lipid and lipoprotein profile in women with polycystic ovary syndrome. *Can J Physiol Pharmacol*. 2008 Apr;86(4):199-204. Available from: PubMed; PMID 18418429

Macut D, Simic T, Lissounov A, Pljesa-Ercegovac M, Bozic I, Djukic T, Bjekic-Macut J, Matic M, Petakov M, Suvakov S, Damjanovic S, Savic-Radojevic A. Insulin resistance in non-obese women with polycystic ovary syndrome: relation to byproducts of oxidative stress. *Exp Clin Endocrinol Diabetes*. 2011 Jul;119(7):451-5. Available from: PubMed; PMID 21667435

Mahmoudi T, Gourabi H, Ashrafi M, Yazdi RS, Ezabadi Z. Calcitropic hormones, insulin resistance, and the polycystic ovary syndrome. *Fertil Steril*. 2010 Mar 1;93(4):1208-14. Available from: PubMed; PMID 19230880

Maliqueo M, Galgani JE, Perez-Bravo F, Echiburua B, de Guevara AL, Crisosto N, Sir-Petermann T. Relationship of serum adipocyte-derived proteins with insulin sensitivity and reproductive features in pre-pubertal and pubertal daughters of polycystic ovary syndrome women. *Eur J*

- Obstet Gynecol Reprod Biol. 2012 Mar;161(1):56-61. Available from: PubMed; PMID 22277163
- Mancini F, Cianciosi A, Reggiani GM, Facchinetti F, Battaglia C, de Aloysio D. Endothelial function and its relationship to leptin, homocysteine, and insulin resistance in lean and overweight eumenorrheic women and PCOS patients: a pilot study. *Fertil Steril*. 2009 Jun;91(6):2537-44. Available from: PubMed; PMID 18462732
- Mandrelle K, Kamath MS, Bondu DJ, Chandy A, Aleyamma T, George K. Prevalence of metabolic syndrome in women with polycystic ovary syndrome attending an infertility clinic in a tertiary care hospital in south India. *J Hum Reprod Sci*. 2012 Jan;5(1):26-31. Available from: PubMed; PMID 22870011
- Mani H, Levy MJ, Davies MJ, Morris DH, Gray LJ, Bankart J, Blackledge H, Khunti K, Howlett TA. Diabetes and cardiovascular events in women with polycystic ovary syndrome: a 20 years retrospective cohort study. *Clin Endocrinol (Oxf)*. 2012 Oct 9. Available from: PubMed; PMID 23046078
- Manneras-Holm L, Leonhardt H, Kullberg J, Jennische E, Oden A, Holm G, Hellstrom M, Lonn L, Olivecrona G, Stener-Victorin E, Lonn M. Adipose tissue has aberrant morphology and function in PCOS: enlarged adipocytes and low serum adiponectin, but not circulating sex steroids, are strongly associated with insulin resistance. *J Clin Endocrinol Metab*. 2011 Feb;96(2):E304-11. Available from: PubMed; PMID 21084397
- Marasinghe JP, Amarasinghe AA. Visceral fat mass as a marker of insulin resistance and metabolic disturbance in women with polycystic ovary syndrome. *BJOG*. 2007 Feb;114(2):235; author reply 6. Available from: PubMed; PMID 17305898
- Marciniak A, Nawrocka-Rutkowska J, Brodowska A, Sienkiewicz R, Szydłowska I, Starczewski A. Leptin concentrations in patients with polycystic ovary syndrome before and after met-formin treatment depending on insulin resistance, body mass index and androgen concentrations--introductory report. *Folia Histochem Cytobiol*. 2009;47(2):323-8. Available from: PubMed; PMID 19995720
- Marcondes JA, Hayashida SA, Barcellos CR, Rocha MP, Maciel GA, Baracat EC. Metabolic syndrome in women with polycystic ovary syndrome: prevalence, characteristics and predictors. *Arq Bras Endocrinol Metabol*. 2007 Aug;51(6):972-9. Available from: PubMed; PMID 17934665
- Margolin E, Zhornitzki T, Kopernik G, Kogan S, Schattner A, Knobler H. Polycystic ovary syndrome in post-menopausal women--marker of the metabolic syndrome. *Maturitas*. 2005 Apr 11;50(4):331-6. Available from: PubMed; PMID 15780534
- Mario FM, do Amarante F, Toscani MK, Spritzer PM. Lean Muscle Mass in Classic or Ovulatory PCOS: Association with Central Obesity and Insulin Resistance. *Exp Clin Endocrinol Diabetes*. 2012 Oct;120(9):511-6. Available from: PubMed; PMID 22576259
- Marioli DJ, Koika V, Adonakis GL, Saltamavros AD, Karela A, Armeni AK, Tsapanos VS, Decavalas GO, Georgopoulos NA. No association of the G972S polymorphism of the insulin receptor substrate-1 gene with polycystic ovary syndrome in lean PCOS women with biochemical hyperandrogenemia. *Arch Gynecol Obstet*. 2010 Jun;281(6):1045-9. Available from: PubMed; PMID 20012307
- Markou A, Androulakis, II, Mourmouris C, Tsikkini A, Samara C, Sougioultzis S, Piaditis G, Kaltsas G. Hepatic steatosis in young lean insulin resistant women with polycystic ovary syndrome. *Fertil Steril*. 2010 Mar 1;93(4):1220-6. Available from: PubMed; PMID 19171337
- Marsden PJ, Murdoch AP, Taylor R. Tissue insulin sensitivity and body weight in polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2001 Aug;55(2):191-9. Available from: PubMed; PMID 11531925
- Marshall JC. Obesity in adolescent girls: is excess androgen the real bad actor? *J Clin Endocrinol Metab*. 2006 Feb;91(2):393-5. Available from: PubMed; PMID 16461952
- Marshall JC, Dunaif A. Should all women with PCOS be treated for insulin resistance? *Fertil Steril*. 2012 Jan;97(1):18-22. Available from: PubMed; PMID 22192137
- Martinez-Garcia MA, Luque-Ramirez M, San-Millan JL, Escobar-Morreale HF. Body iron stores and glucose intolerance in premenopausal women: role of hyperandrogenism, insulin resistance, and genomic variants related to inflammation, oxidative stress, and iron metabolism. *Diabetes Care*. 2009 Aug;32(8):1525-30. Available from: PubMed; PMID 19401444
- Mather KJ, Verma S, Corenblum B, Anderson TJ. Normal endothelial function despite insulin resistance in healthy women with the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2000 May;85(5):1851-6. Available from: PubMed; PMID 10843164
- Mathur R, Alexander CJ, Yano J, Trivax B, Azziz R. Use of metformin in polycystic ovary syndrome. *Am J Obstet Gynecol*. 2008 Dec;199(6):596-609. Available from: PubMed; PMID 19084097
- Mehrabian F, Khani B, Kelishadi R, Kermani N. The prevalence of metabolic syndrome and insulin resistance according to the phenotypic subgroups of polycystic ovary syndrome in a representative sample of Iranian females. *J Res Med Sci*. 2011 Jun;16(6):763-9. Available from: PubMed; PMID 22091305

- Mellati AA, Sharifi F, Sajadinejad M, Sohrabi D, Mazloomzadeh S. The relationship between retinol-binding protein 4 levels, insulin resistance, androgen hormones and polycystic ovary syndrome. *Scand J Clin Lab Invest*. 2012 Feb;72(1):39-44. Available from: PubMed; PMID 22023042
- Melo AS, Vieira CS, Romano LG, Ferriani RA, Navarro PA. The frequency of metabolic syndrome is higher among PCOS Brazilian women with menstrual irregularity plus hyperandrogenism. *Reprod Sci*. 2011 Dec;18(12):1230-6. Available from: PubMed; PMID 22096008
- Mendonca HC, Montenegro RM, Jr., Foss MC, Silva de Sa MF, Ferriani RA. Positive correlation of serum leptin with estradiol levels in patients with polycystic ovary syndrome. *Braz J Med Biol Res*. 2004 May;37(5):729-36. Available from: PubMed; PMID 15107936
- Mendoza N. Common genetic aspects between polycystic ovary syndrome and diabetes mellitus. *Curr Diabetes Rev*. 2011 Nov;7(6):377-91. Available from: PubMed; PMID 21864293
- Meyer C, Talbot M, Teede H. Effect of Implanon on insulin resistance in women with Polycystic Ovary Syndrome. *Aust N Z J Obstet Gynaecol*. 2005 Apr;45(2):155-8. Available from: PubMed; PMID 15760320
- Meyer C, McGrath BP, Teede HJ. Effects of medical therapy on insulin resistance and the cardiovascular system in polycystic ovary syndrome. *Diabetes Care*. 2007 Mar;30(3):471-8. Available from: PubMed; PMID 17327307
- Meyers L. Women, polycystic ovary syndrome, and type 2-we are family. This "sister" you never knew you had may be wreaking havoc with your hormone and insulin levels. *Diabetes Forecast*. 2005 Dec;58(12):63-4, 6. Available from: PubMed; PMID 16378358
- Michelmore K, Ong K, Mason S, Bennett S, Perry L, Vessey M, Balen A, Dunger D. Clinical features in women with polycystic ovaries: relationships to insulin sensitivity, insulin gene VNTR and birth weight. *Clin Endocrinol (Oxf)*. 2001 Oct;55(4):439-46. Available from: PubMed; PMID 11678825
- Mirzaei F, Kazemi N. Prevalence of polycystic ovary syndrome in women with type 2 diabetes in Kerman, Iran. *Metab Syndr Relat Disord*. 2008 Sep;6(3):215-7. Available from: PubMed; PMID 18710333
- Mitkov M, Pehlivanov B, Terzieva D. Metformin versus rosiglitazone in the treatment of polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2006 May 1;126(1):93-8. Available from: PubMed; PMID 16360262
- Mlinar B, Pfeifer M, Vrtacnik-Bokal E, Jensterle M, Marc J. Decreased lipin 1 beta expression in visceral adipose tissue is associated with insulin resistance in polycystic ovary syndrome. *Eur J Endocrinol*. 2008 Dec;159(6):833-9. Available from: PubMed; PMID 18829900
- Moggetti P, Castello R, Negri C, Tosi F, Perrone F, Caputo M, Zanolin E, Muggeo M. Metformin effects on clinical features, endocrine and metabolic profiles, and insulin sensitivity in polycystic ovary syndrome: a randomized, double-blind, placebo-controlled 6-month trial, followed by open, long-term clinical evaluation. *J Clin Endocrinol Metab*. 2000 Jan;85(1):139-46. Available from: PubMed; PMID 10634377
- Mohlig M, Floter A, Spranger J, Weickert MO, Schill T, Schlosser HW, Brabant G, Pfeiffer AF, Selbig J, Schofl C. Predicting impaired glucose metabolism in women with polycystic ovary syndrome by decision tree modelling. *Diabetologia*. 2006 Nov;49(11):2572-9. Available from: PubMed; PMID 16972044
- Mohlig M, Jurgens A, Spranger J, Hoffmann K, Weickert MO, Schlosser HW, Schill T, Brabant G, Schuring A, Pfeiffer AF, Gromoll J, Schofl C. The androgen receptor CAG repeat modifies the impact of testosterone on insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Jul;155(1):127-30. Available from: PubMed; PMID 16793958
- Mohlig M, Weickert MO, Ghadamgadi E, Machlitt A, Pfuller B, Arafat AM, Pfeiffer AF, Schofl C. Adipocyte fatty acid-binding protein is associated with markers of obesity, but is an unlikely link between obesity, insulin resistance, and hyperandrogenism in polycystic ovary syndrome women. *Eur J Endocrinol*. 2007 Aug;157(2):195-200. Available from: PubMed; PMID 17656598
- Mohlig M, Weickert MO, Ghadamgahi E, Arafat AM, Spranger J, Pfeiffer AF, Schofl C. Retinol-binding protein 4 is associated with insulin resistance, but appears unsuited for metabolic screening in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2008 Apr;158(4):517-23. Available from: PubMed; PMID 18362299
- Moncayo R, Moncayo H. Inadequate description of an acupuncture treatment study for polycystic ovaries. *Fertil Steril*. 2012 May;97(5):e20; author reply e1. Available from: PubMed; PMID 22445321
- Mor E, Zograbyan A, Saadat P, Bayrak A, Tourgeman DE, Zhang C, Stanczyk FZ, Paulson RJ. The insulin resistant subphenotype of polycystic ovary syndrome: clinical parameters and pathogenesis. *Am J Obstet Gynecol*. 2004 Jun;190(6):1654-60. Available from: PubMed; PMID 15284763
- Moran C, Garcia-Hernandez E, Barahona E, Gonzalez S, Bermudez JA. Relationship between insulin resistance and gonadotropin dissociation in obese and nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2003 Dec;80(6):1466-72. Available from: PubMed; PMID 14667885

- Moran L, Norman RJ. Understanding and managing disturbances in insulin metabolism and body weight in women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):719-36. Available from: PubMed; PMID 15380143
- Moran LJ, Noakes M, Clifton PM, Norman RJ, Fenech MF. Genome instability is increased in lymphocytes of women with polycystic ovary syndrome and is correlated with insulin resistance. *Mutat Res*. 2008 Mar 1;639(1-2):55-63. Available from: PubMed; PMID 18178226
- Moran LJ, Misso ML, Wild RA, Norman RJ. Impaired glucose tolerance, type 2 diabetes and metabolic syndrome in polycystic ovary syndrome: a systematic review and meta-analysis. *Hum Reprod Update*. 2010 Jul-Aug;16(4):347-63. Available from: PubMed; PMID 20159883
- Moran LJ, Strauss BJ, Teede HJ. Diabetes risk score in the diagnostic categories of polycystic ovary syndrome. *Fertil Steril*. 2011 Apr;95(5):1742-8. Available from: PubMed; PMID 21316662
- Morgante G, Orvieto R, Di Sabatino A, Musacchio MC, De Leo V. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):2642-4. Available from: PubMed; PMID 21300338
- Morin-Papunen LC, Vauhkonen I, Koivunen RM, Ruokonen A, Tapanainen JS. Insulin sensitivity, insulin secretion, and metabolic and hormonal parameters in healthy women and women with polycystic ovarian syndrome. *Hum Reprod*. 2000 Jun;15(6):1266-74. Available from: PubMed; PMID 10831553
- Mueller A, Schofl C, Dittrich R, Cupisti S, Oppelt PG, Schild RL, Beckmann MW, Haberle L. Thyroid-stimulating hormone is associated with insulin resistance independently of body mass index and age in women with polycystic ovary syndrome. *Hum Reprod*. 2009 Nov;24(11):2924-30. Available from: PubMed; PMID 19654109
- Mukherjee S, Shaikh N, Khavale S, Shinde G, Meherji P, Shah N, Maitra A. Genetic variation in exon 17 of INSR is associated with insulin resistance and hyperandrogenemia among lean Indian women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 May;160(5):855-62. Available from: PubMed; PMID 19211708
- Mukherjee S, Maitra A. Molecular & genetic factors contributing to insulin resistance in polycystic ovary syndrome. *Indian J Med Res*. 2010 Jun;131:743-60. Available from: PubMed; PMID 20571162
- Murray R. Polycystic ovary syndrome, obesity and insulin resistance: the new female triad. *Adv Nurse Pract*. 2004 Aug;12(8):22-35; quiz 6. Available from: PubMed; PMID 15354503
- Muscogiuri G, Policola C, Prioletta A, Sorice G, Mezza T, Lassandro A, Della Casa S, Pontecorvi A, Giaccari A. Low levels of 25(OH)D and insulin-resistance: 2 unrelated features or a cause-effect in PCOS? *Clin Nutr*. 2012 Aug;31(4):476-80. Available from: PubMed; PMID 22260937
- Musso C, Cochran E, Moran SA, Skarulis MC, Oral EA, Taylor S, Gorden P. Clinical course of genetic diseases of the insulin receptor (type A and Rabson-Mendenhall syndromes): a 30-year prospective. *Medicine (Baltimore)*. 2004 Jul;83(4):209-22. Available from: PubMed; PMID 15232309
- Muthukrishnan J, Harikumar KV, Modi KD. Re: Premicroalbuminuria in polycystic ovary syndrome. *Endocr Pract*. 2008 Jul-Aug;14(5):648-9; author reply 9. Available from: PubMed; PMID 18756626
- Nacul AP, Andrade CD, Schwarz P, de Bittencourt PI, Jr., Spritzer PM. Nitric oxide and fibrinogen in polycystic ovary syndrome: associations with insulin resistance and obesity. *Eur J Obstet Gynecol Reprod Biol*. 2007 Aug;133(2):191-6. Available from: PubMed; PMID 17049715
- Nafiye Y, Sevtap K, Muammer D, Emre O, Senol K, Leyla M. The effect of serum and intrafollicular insulin resistance parameters and homocysteine levels of nonobese, nonhyperandrogenemic polycystic ovary syndrome patients on in vitro fertilization outcome. *Fertil Steril*. 2010 Apr;93(6):1864-9. Available from: PubMed; PMID 19171332
- Nakamura A, Shimizu C, Nagai S, Taniguchi S, Umetsu M, Atsumi T, Wada N, Yoshioka N, Ono Y, Sasano H, Koike T. Unilateral adrenalectomy improves insulin resistance and polycystic ovaries in a middle-aged woman with virilizing adrenocortical adenoma complicated with Cushing's syndrome. *J Endocrinol Invest*. 2007 Jan;30(1):65-9. Available from: PubMed; PMID 17318025
- Nardo LG, Yates AP, Roberts SA, Pemberton P, Laing I. The relationships between AMH, androgens, insulin resistance and basal ovarian follicular status in non-obese subfertile women with and without polycystic ovary syndrome. *Hum Reprod*. 2009 Nov;24(11):2917-23. Available from: PubMed; PMID 19617605
- Narsing Rao L, Jacob JJ, Paul TV, Rajarathinam S, Thomas N, Seshadri MS. Effects of pioglitazone on menstrual frequency, hyperandrogenism and insulin resistance in adolescents and young adults with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2009 Apr;22(2):91-5. Available from: PubMed; PMID 19345914
- Nawrocka J, Starczewski A. Effects of metformin treatment in women with polycystic ovary syndrome depends on insulin resistance. *Gynecol Endocrinol*. 2007 Apr;23(4):231-7. Available from: PubMed; PMID 17505944



Nectaria X, Leandros L, Ioannis G, Agathocles T. The importance of ERalpha and ERbeta gene polymorphisms in PCOS. *Gynecol Endocrinol*. 2012 Jul;28(7):505-8. Available from: PubMed; PMID 22296324

Nestler JE, Stovall D, Akhter N, Iuorno MJ, Jakubowicz DJ. Strategies for the use of insulin-sensitizing drugs to treat infertility in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Feb;77(2):209-15. Available from: PubMed; PMID 11821072

Nestler JE. Insulin resistance syndrome and polycystic ovary syndrome. *Endocr Pract*. 2003 Sep-Oct;9 Suppl 2:86-9. Available from: PubMed; PMID 14698983

Nestler JE. The Androgen Excess Society guidelines on glucose intolerance in the polycystic ovary syndrome: what do they mean and what should we do? *Pol Arch Med Wewn*. 2008 May;118(5):264-6. Available from: PubMed; PMID 18619175

Ni RM, Mo Y, Chen X, Zhong J, Liu W, Yang D. Low prevalence of the metabolic syndrome but high occurrence of various metabolic disorders in Chinese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Sep;161(3):411-8. Available from: PubMed; PMID 19542239

Nicoletti A. Paradigm shift. *J Pediatr Adolesc Gynecol*. 2006 Aug;19(4):317-8. Available from: PubMed; PMID 16873041

Nordio M, Proietti E. The combined therapy with myo-inositol and D-chiro-inositol reduces the risk of metabolic disease in PCOS overweight patients compared to myo-inositol supplementation alone. *Eur Rev Med Pharmacol Sci*. 2012 May;16(5):575-81. Available from: PubMed; PMID 22774396

Norman RJ, Kidson WJ, Cuneo RC, Zacharin MR. Metformin and intervention in polycystic ovary syndrome. Endocrine Society of Australia, the Australian Diabetes Society and the Australian Paediatric Endocrine Group. *Med J Aust*. 2001 Jun 4;174(11):580-3. Available from: PubMed; PMID 11453331

Norman RJ, Masters L, Milner CR, Wang JX, Davies MJ. Relative risk of conversion from normoglycaemia to impaired glucose tolerance or non-insulin dependent diabetes mellitus in polycystic ovarian syndrome. *Hum Reprod*. 2001 Sep;16(9):1995-8. Available from: PubMed; PMID 11527911

Noyan V, Yucel A, Sagsoz N. The association of bone mineral density with insulin resistance in patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2004 Aug 10;115(2):200-5. Available from: PubMed; PMID 15262356

O'Connor A, Phelan N, Tun TK, Boran G, Gibney J, Roche HM. High-molecular-weight adiponectin is selectively

reduced in women with polycystic ovary syndrome independent of body mass index and severity of insulin resistance. *J Clin Endocrinol Metab*. 2010 Mar;95(3):1378-85. Available from: PubMed; PMID 20080859

Oh JY, Sung YA, Lee HJ, Oh JY, Chung HW, Park H. Optimal waist circumference for prediction of metabolic syndrome in young Korean women with polycystic ovary syndrome. *Obesity (Silver Spring)*. 2010 Mar;18(3):593-7. Available from: PubMed; PMID 19763092

Ohgi S, Nakagawa K, Kojima R, Ito M, Horikawa T, Saito H. Insulin resistance in oligomenorrheic infertile women with non-polycystic ovary syndrome. *Fertil Steril*. 2008 Aug;90(2):373-7. Available from: PubMed; PMID 17923132

Olszanecka-Glinianowicz M, Kuglin D, Dabkowska-Huc A, Skalba P. Serum adiponectin and resistin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 Jan;154(1):51-6. Available from: PubMed; PMID 20889251

Orbetzova MM, Pehlivanov BK, Mitkov MM, Atanassova IB, Kamenov ZA, Kolarov GB, Genchev GD. Effect of short-term standard therapeutic regimens on neuropeptide Y and adipose tissue hormones in overweight insulin-resistant women with polycystic ovary syndrome. *Folia Med (Plovdiv)*. 2011 Jul-Sep;53(3):15-24. Available from: PubMed; PMID 22359978

Ortega-Gonzalez C, Luna S, Hernandez L, Crespo G, Aguayo P, Arteaga-Troncoso G, Parra A. Responses of serum androgen and insulin resistance to metformin and pioglitazone in obese, insulin-resistant women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Mar;90(3):1360-5. Available from: PubMed; PMID 15598674

Ovalle F, Azziz R. Insulin resistance, polycystic ovary syndrome, and type 2 diabetes mellitus. *Fertil Steril*. 2002 Jun;77(6):1095-105. Available from: PubMed; PMID 12057712

Ozdemir S, Ozdemir M, Gorkemli H, Kiyici A, Bodur S. Specific dermatologic features of the polycystic ovary syndrome and its association with biochemical markers of the metabolic syndrome and hyperandrogenism. *Acta Obstet Gynecol Scand*. 2010;89(2):199-204. Available from: PubMed; PMID 19900078

Ozgen IT, Aydin M, Guven A, Aliyazicioglu Y. Characteristics of polycystic ovarian syndrome and relationship with ghrelin in adolescents. *J Pediatr Adolesc Gynecol*. 2010 Oct;23(5):285-9. Available from: PubMed; PMID 20537572

Pagotto U, Gambineri A, Vicennati V, Heiman ML, Tschoop M, Pasquali R. Plasma ghrelin, obesity, and the polycystic ovary syndrome: correlation with insulin resistance and androgen levels. *J Clin Endocrinol Metab*. 2002

Dec;87(12):5625-9. Available from: PubMed; PMID 12466363

Palep-Singh M, Picton HM, Barth JH, Balen AH. Ethnic variations in the distribution of obesity and biochemical metabolic abnormalities in fertility clinic attendees. *J Reprod Med.* 2008 Feb;53(2):117-23. Available from: PubMed; PMID 18357803

Palmert MR, Gordon CM, Kartashov AI, Legro RS, Emans SJ, Dunaif A. Screening for abnormal glucose tolerance in adolescents with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Mar;87(3):1017-23. Available from: PubMed; PMID 11889155

Palomba S, Falbo A, Russo T, Manguso F, Tolino A, Zullo F, De Feo P, Orio F, Jr. Insulin sensitivity after metformin suspension in normal-weight women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Aug;92(8):3128-35. Available from: PubMed; PMID 17519312

Palomba S, Falbo A, Russo T, Orio F, Tollino A, Zullo F. Role of metformin in patients with polycystic ovary syndrome: the state of the art. *Minerva Ginecol.* 2008 Feb;60(1):77-82. Available from: PubMed; PMID 18277354

Palomba S, Falbo A, Russo T, Rivoli L, Orio M, Cosco AG, Vero R, Capula C, Tolino A, Zullo F, Colao A, Orio F. The risk of a persistent glucose metabolism impairment after gestational diabetes mellitus is increased in patients with polycystic ovary syndrome. *Diabetes Care.* 2012 Apr;35(4):861-7. Available from: PubMed; PMID 22338097

Pandolfi C, Zugaro A, Lattanzio F, Necozone S, Barbonetti A, Colangeli MS, Francavilla S, Francavilla F. Low birth weight and later development of insulin resistance and biochemical/clinical features of polycystic ovary syndrome. *Metabolism.* 2008 Jul;57(7):999-1004. Available from: PubMed; PMID 18555843

Pangaribuan B, Yusuf I, Mansyur M, Wijaya A. Serum adiponectin and resistin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Ther Adv Endocrinol Metab.* 2011 Dec;2(6):235-45. Available from: PubMed; PMID 23148188

Panidis D, Macut D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Spanos N, Petakov M, Bjekic J, Damjanovic S. Indices of insulin sensitivity, beta cell function and serum proinsulin levels in the polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2006 Jul;127(1):99-105. Available from: PubMed; PMID 16460870

Panidis D, Rousso D, Koliakos G, Kourtis A, Katsikis I, Farmakiotis D, Votsi E, Diamanti-Kandarakis E. Plasma metastin levels are negatively correlated with insulin resistance and free androgens in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jun;85(6):1778-83. Available from: PubMed; PMID 16650418

Panidis D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Krassas G. Obesity, weight loss, and the polycystic ovary syndrome: effect of treatment with diet and orlistat for 24 weeks on insulin resistance and androgen levels. *Fertil Steril.* 2008 Apr;89(4):899-906. Available from: PubMed; PMID 17980364

Panidis D, Macut D, Tziomalos K, Papadakis E, Mikhailidis K, Kandaraki EA, Tsourdi EA, Tantanasis T, Mavromatidis G, Katsikis I. Prevalence of metabolic syndrome in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2012 Aug 13. Available from: PubMed; PMID 22888988

Panidis D, Tziomalos K, Misichronis G, Papadakis E, Betsas G, Katsikis I, Macut D. Insulin resistance and endocrine characteristics of the different phenotypes of polycystic ovary syndrome: a prospective study. *Hum Reprod.* 2012 Feb;27(2):541-9. Available from: PubMed; PMID 22144419

Pantasri T, Vutyavanich T, Sreshthaputra O, Srisupundit K, Piromlertamorn W. Metabolic syndrome and insulin resistance in Thai women with polycystic ovary syndrome. *J Med Assoc Thai.* 2010 Apr;93(4):406-12. Available from: PubMed; PMID 20462081

Park KH, Kim JY, Ahn CW, Song YD, Lim SK, Lee HC. Polycystic ovarian syndrome (PCOS) and insulin resistance. *Int J Gynaecol Obstet.* 2001 Sep;74(3):261-7. Available from: PubMed; PMID 11543750

Park HR, Choi Y, Lee HJ, Oh JY, Hong YS, Sung YA. The metabolic syndrome in young Korean women with polycystic ovary syndrome. *Diabetes Res Clin Pract.* 2007 Sep;77 Suppl 1:S243-6. Available from: PubMed; PMID 17610984

Park HR, Choi Y, Lee HJ, Oh JY, Hong YS, Sung YA. Phenotypic characteristics according to insulin sensitivity in non-obese Korean women with polycystic ovary syndrome. *Diabetes Res Clin Pract.* 2007 Sep;77 Suppl 1:S233-7. Available from: PubMed; PMID 17606307

Park HT, Cho GJ, Ahn KH, Shin JH, Kim YT, Hur JY, Kim SH, Lee KW, Kim T. Association of insulin resistance with anti-Mullerian hormone levels in women without polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf).* 2010 Jan;72(1):26-31. Available from: PubMed; PMID 19438903

Parsanezhad ME, Alborzi S, Zarei A, Dehbashi S, Omrani G. Insulin resistance in clomiphene responders and non-responders with polycystic ovarian disease and therapeutic effects of metformin. *Int J Gynaecol Obstet.* 2001 Oct;75(1):43-50. Available from: PubMed; PMID 11597618

Pasquali R, Pelusi C, Ragazzini C, Hasanaj R, Gambineri A. Glucose tolerance, insulin secretion and insulin

- sensitivity in polycystic ovary syndrome. *JOP*. 2002 Jan;3(1):1-7. Available from: PubMed; PMID 11884761
- Pasquali R, Patton L, Pagotto U, Gambineri A. Metabolic alterations and cardiovascular risk factors in the polycystic ovary syndrome. *Minerva Ginecol*. 2005 Feb;57(1):79-85. Available from: PubMed; PMID 15758867
- Pasquali R, Gambineri A. Insulin-sensitizing agents in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S28-9. Available from: PubMed; PMID 16798283
- Pasquali R, Gambineri A. Insulin-sensitizing agents in polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Jun;154(6):763-75. Available from: PubMed; PMID 16728533
- Pasquali R, Gambineri A. Targeting insulin sensitivity in the treatment of polycystic ovary syndrome. *Expert Opin Ther Targets*. 2009 Oct;13(10):1205-26. Available from: PubMed; PMID 19650762
- Patel AA, Bloomgarden ZT, Futterweit W. Premicroalbuminuria in women with polycystic ovary syndrome: a metabolic risk marker. *Endocr Pract*. 2008 Mar;14(2):193-200. Available from: PubMed; PMID 18308657
- Pauli JM, Raja-Khan N, Wu X, Legro RS. Current perspectives of insulin resistance and polycystic ovary syndrome. *Diabet Med*. 2011 Dec;28(12):1445-54. Available from: PubMed; PMID 21950959
- Pehlivanov B, Orbetzova M. Characteristics of different phenotypes of polycystic ovary syndrome in a Bulgarian population. *Gynecol Endocrinol*. 2007 Oct;23(10):604-9. Available from: PubMed; PMID 17852429
- Pehlivanov B, Mitkov M. Serum leptin levels correlate with clinical and biochemical indices of insulin resistance in women with polycystic ovary syndrome. *Eur J Contracept Reprod Health Care*. 2009 Apr;14(2):153-9. Available from: PubMed; PMID 19340711
- Pelusi B, Gambineri A, Pasquali R. Type 2 diabetes and the polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):41-51. Available from: PubMed; PMID 14973409
- Pepene CE, Ilie IR, Marian I, Duncea I. Circulating osteoprotegerin and soluble receptor activator of nuclear factor kappaB ligand in polycystic ovary syndrome: relationships to insulin resistance and endothelial dysfunction. *Eur J Endocrinol*. 2011 Jan;164(1):61-8. Available from: PubMed; PMID 20974706
- Peppard HR, Marfori J, Iuorno MJ, Nestler JE. Prevalence of polycystic ovary syndrome among premenopausal women with type 2 diabetes. *Diabetes Care*. 2001 Jun;24(6):1050-2. Available from: PubMed; PMID 11375369
- Perciaccante A, Fiorentini A. Insulin resistance may be involved in relationship between cardiac autonomic dysfunction and polycystic ovary syndrome. *Ann Noninvasive Electrocardiol*. 2007 Oct;12(4):388. Available from: PubMed; PMID 17970965
- Perciaccante A. Insulin resistance as link between polycystic ovary syndrome and cardiovascular autonomic dysfunction. *Int J Cardiol*. 2009 Jul 10;135(3):e78-9. Available from: PubMed; PMID 18639353
- Pesant MH, Baillargeon JP. Clinically useful predictors of conversion to abnormal glucose tolerance in women with polycystic ovary syndrome. *Fertil Steril*. 2011 Jan;95(1):210-5. Available from: PubMed; PMID 20655529
- Phelan N, O'Connor A, Kyaw-Tun T, Correia N, Boran G, Roche HM, Gibney J. Lipoprotein subclass patterns in women with polycystic ovary syndrome (PCOS) compared with equally insulin-resistant women without PCOS. *J Clin Endocrinol Metab*. 2010 Aug;95(8):3933-9. Available from: PubMed; PMID 20519354
- Phelan N, O'Connor A, Kyaw Tun T, Correia N, Boran G, Roche H, Gibney J. Leukocytosis in women with polycystic ovary syndrome (PCOS) is incompletely explained by obesity and insulin resistance. *Clin Endocrinol (Oxf)*. 2012 Jun 20. Available from: PubMed; PMID 22712547
- Plosker SM. Polycystic ovary syndrome and insulin resistance. *Med Health R I*. 2003 Jan;86(1):12-5. Available from: PubMed; PMID 12633015
- Popovska-Dimova Z, Krstevska B. The frequency of insulin resistance calculated upon the basis of a fasting glucose to insulin ratio and characteristics of insulin resistant women with polycystic ovary syndrome. *Prilozi*. 2006 Jul;27(1):87-95. Available from: PubMed; PMID 16985482
- Puder JJ, Muller B, Keller U. Letter re: The biological variation of testosterone and sex hormone-binding globulin (SHBG) in polycystic ovarian syndrome: implications for SHBG as a surrogate marker of insulin resistance. *J Clin Endocrinol Metab*. 2005 Jul;90(7):4419-20. Available from: PubMed; PMID 16002415
- Puder JJ, Varga S, Kraenzlin M, De Geyter C, Keller U, Muller B. Central fat excess in polycystic ovary syndrome: relation to low-grade inflammation and insulin resistance. *J Clin Endocrinol Metab*. 2005 Nov;90(11):6014-21. Available from: PubMed; PMID 16105965
- Rabelo Acevedo M, Vick MR. Association between the polycystic ovary syndrome and the metabolic syndrome in Puerto Rico. *P R Health Sci J*. 2005 Sep;24(3):203-6. Available from: PubMed; PMID 16329683

- Rachmiel M, Kives S, Atenafu E, Hamilton J. Primary amenorrhea as a manifestation of polycystic ovarian syndrome in adolescents: a unique subgroup? *Arch Pediatr Adolesc Med.* 2008 Jun;162(6):521-5. Available from: PubMed; PMID 18524741
- Rachon D, Teede H. Ovarian function and obesity--interrelationship, impact on women's reproductive lifespan and treatment options. *Mol Cell Endocrinol.* 2010 Mar 25;316(2):172-9. Available from: PubMed; PMID 19818376
- Rager KM, Omar HA. Androgen excess disorders in women: the severe insulin-resistant hyperandrogenic syndrome, HAIR-AN. *ScientificWorldJournal.* 2006;6:116-21. Available from: PubMed; PMID 16435040
- Rahmanpour H, Jamal L, Mousavinasab SN, Esmailzadeh A, Azarkhish K. Association between polycystic ovarian syndrome, overweight, and metabolic syndrome in adolescents. *J Pediatr Adolesc Gynecol.* 2012 Jun;25(3):208-12. Available from: PubMed; PMID 22578482
- Rajkhowa M, Brett S, Cuthbertson DJ, Lipina C, Ruiz-Alcaraz AJ, Thomas GE, Logie L, Petrie JR, Sutherland C. Insulin resistance in polycystic ovary syndrome is associated with defective regulation of ERK1/2 by insulin in skeletal muscle in vivo. *Biochem J.* 2009 Mar 15;418(3):665-71. Available from: PubMed; PMID 19053948
- Ramos Cirilo PD, Rosa FE, Moreira Ferraz MF, Rainho CA, Pontes A, Rogatto SR. Genetic polymorphisms associated with steroids metabolism and insulin action in polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Mar;28(3):190-4. Available from: PubMed; PMID 21824047
- Rashidi B, Azizy L, Najmeddin F, Azizi E. Prevalence of the insulin receptor substrate-1(IRS-1) Gly972Arg and the insulin receptor substrate-2(IRS-2) Gly1057Asp polymorphisms in PCOS patients and non-diabetic healthy women. *J Assist Reprod Genet.* 2012 Feb;29(2):195-201. Available from: PubMed; PMID 22205343
- Raskauskienė D, Jones PW, Govind A, Obhrai M, Clayton RN. Do polycystic ovaries on ultrasound scan indicate decreased insulin sensitivity in sisters of women with polycystic ovary syndrome? *J Clin Endocrinol Metab.* 2005 Apr;90(4):2063-7. Available from: PubMed; PMID 15634726
- Recabarren SE, Smith R, Rios R, Maliqueo M, Echiburú B, Codner E, Cassorla F, Rojas P, Sir-Petermann T. Metabolic profile in sons of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 May;93(5):1820-6. Available from: PubMed; PMID 18230657
- Remsberg KE, Talbott EO, Zborowski JV, Evans RW, McHugh-Pemu K. Evidence for competing effects of body mass, hyperinsulinemia, insulin resistance, and androgens on leptin levels among lean, overweight, and obese women with polycystic ovary syndrome. *Fertil Steril.* 2002 Sep;78(3):479-86. Available from: PubMed; PMID 12215321
- Reyes-Munoz E, Castellanos-Barroso G, Ramirez-Eugenio BY, Ortega-Gonzalez C, Parra A, Castillo-Mora A, De la Jara-Diaz JF. The risk of gestational diabetes mellitus among Mexican women with a history of infertility and polycystic ovary syndrome. *Fertil Steril.* 2012 Jun;97(6):1467-71. Available from: PubMed; PMID 22503417
- Rezvanian H, Adibi N, Siavash M, Kachuei A, Shojaee-Moradie F, Asilian A. Increased insulin sensitivity by metformin enhances intense-pulsed-light-assisted hair removal in patients with polycystic ovary syndrome. *Dermatology.* 2009;218(3):231-6. Available from: PubMed; PMID 19092235
- Robinson K. 'Off-label' use of metformin warranted. *Adv Nurse Pract.* 2001 Mar;9(3):21. Available from: PubMed; PMID 12400319
- Romaguera J, Moran C, Diaz-Montes TP, Hines GA, Cruz RI, Azziz R. Prevalence of 21-hydroxylase-deficient nonclassic adrenal hyperplasia and insulin resistance among hirsute women from Puerto Rico. *Fertil Steril.* 2000 Jul;74(1):59-62. Available from: PubMed; PMID 10899497
- Rosenfield RL. Polycystic ovary syndrome and insulin-resistant hyperinsulinemia. *J Am Acad Dermatol.* 2001 Sep;45(3 Suppl):S95-104. Available from: PubMed; PMID 11511859
- Rossi B, Sukalich S, Droz J, Griffin A, Cook S, Blumkin A, Guzik DS, Hoeger KM. Prevalence of metabolic syndrome and related characteristics in obese adolescents with and without polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Dec;93(12):4780-6. Available from: PubMed; PMID 18812482
- Sabayan B, Foroughinia F, Borhani Haghghi A, Mowla A. Are women with polycystic ovary syndrome (PCOS) at higher risk for development of Alzheimer disease? *Alzheimer Dis Assoc Disord.* 2007 Jul-Sep;21(3):265. Available from: PubMed; PMID 17804962
- Sahin Y, Yirmibes U, Kelestimur F, Aygen E. The effects of metformin on insulin resistance, clomiphene-induced ovulation and pregnancy rates in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Apr 15;113(2):214-20. Available from: PubMed; PMID 15063963
- Sahin I, Celik O, Celik N, Keskin L, Dogru A, Dogru I, Yurekli M, Yologlu S. Adrenomedullin: possible predictor of insulin resistance in women with polycystic ovary syndrome. *J Endocrinol Invest.* 2012 Jun;35(6):553-6. Available from: PubMed; PMID 21791966

- Salley KE, Wickham EP, Cheang KI, Essah PA, Karjane NW, Nestler JE. Glucose intolerance in polycystic ovary syndrome--a position statement of the Androgen Excess Society. *J Clin Endocrinol Metab.* 2007 Dec;92(12):4546-56. Available from: PubMed; PMID 18056778
- Sam S, Legro RS, Bentley-Lewis R, Dunaif A. Dyslipidemia and metabolic syndrome in the sisters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Aug;90(8):4797-802. Available from: PubMed; PMID 15899949
- Samy N, Hashim M, Sayed M, Said M. Clinical significance of inflammatory markers in polycystic ovary syndrome: their relationship to insulin resistance and body mass index. *Dis Markers.* 2009;26(4):163-70. Available from: PubMed; PMID 19729797
- San Millan JL, Corton M, Villuendas G, Sancho J, Peral B, Escobar-Morreale HF. Association of the polycystic ovary syndrome with genomic variants related to insulin resistance, type 2 diabetes mellitus, and obesity. *J Clin Endocrinol Metab.* 2004 Jun;89(6):2640-6. Available from: PubMed; PMID 15181035
- Sara L, Antal P, Masszi G, Buday A, Horvath EM, Hamar P, Monos E, Nadasy GL, Varbiro S. Arteriolar insulin resistance in a rat model of polycystic ovary syndrome. *Fertil Steril.* 2012 Feb;97(2):462-8. Available from: PubMed; PMID 22154764
- Sartor BM, Dickey RP. Polycystic ovarian syndrome and the metabolic syndrome. *Am J Med Sci.* 2005 Dec;330(6):336-42. Available from: PubMed; PMID 16355019
- Sathyapalan T, Cho LW, Kilpatrick ES, Coady AM, Atkin SL. A comparison between rimonabant and metformin in reducing biochemical hyperandrogenaemia and insulin resistance in patients with polycystic ovary syndrome (PCOS): a randomized open-label parallel study. *Clin Endocrinol (Oxf).* 2008 Dec;69(6):931-5. Available from: PubMed; PMID 18410553
- Savastano S, Orio F, Jr., Palomba S, Cascella T, Manguso F, Lupoli GA, Formisano P, Lombardi G, Colao A, Beguinot F, Valentino R. Overexpression of the phosphoprotein enriched in diabetes gene product (Ped/pea-15) in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2007 Oct;67(4):557-62. Available from: PubMed; PMID 17590172
- Savastano S, Valentino R, Pizza G, De Rosa A, Orio F, Passaretti F, Formisano P, Lombardi G, Beguinot F, Colao A. Preliminary data on effects of metformin on PED/PEA-15 cellular levels in obese women with polycystic ovary syndrome. *J Endocrinol Invest.* 2010 Jul-Aug;33(7):446-50. Available from: PubMed; PMID 20671408
- Savastano S, Valentino R, Di Somma C, Orio F, Pivonello C, Passaretti F, Brancato V, Formisano P, Colao A, Beguinot F, Tarantino G. Serum 25-Hydroxyvitamin D Levels, phosphoprotein enriched in diabetes gene product (PED/PEA-15) and leptin-to-adiponectin ratio in women with PCOS. *Nutr Metab (Lond).* 2011;8:84. Available from: PubMed; PMID 22112520
- Sawathiparnich P, Weerakulwattana L, Santiprabhob J, Likitmaskul S. Obese adolescent girls with polycystic ovary syndrome (PCOS) have more severe insulin resistance measured by HOMA-IR score than obese girls without PCOS. *J Med Assoc Thai.* 2005 Nov;88 Suppl 8:S33-7. Available from: PubMed; PMID 16856423
- Saxena R, Welt CK. Polycystic ovary syndrome is not associated with genetic variants that mark risk of type 2 diabetes. *Acta Diabetol.* 2012 Mar 3. Available from: PubMed; PMID 22389004
- Schachter M, Raziel A, Friedler S, Strassburger D, Bern O, Ron-El R. Insulin resistance in patients with polycystic ovary syndrome is associated with elevated plasma homocysteine. *Hum Reprod.* 2003 Apr;18(4):721-8. Available from: PubMed; PMID 12660262
- Schachter M, Raziel A, Strassburger D, Rotem C, Ron-El R, Friedler S. Prospective, randomized trial of metformin and vitamins for the reduction of plasma homocysteine in insulin-resistant polycystic ovary syndrome. *Fertil Steril.* 2007 Jul;88(1):227-30. Available from: PubMed; PMID 17336970
- Schofl C, Horn R, Schill T, Schlosser HW, Muller MJ, Brabant G. Circulating ghrelin levels in patients with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Oct;87(10):4607-10. Available from: PubMed; PMID 12364442
- Schroder AK, Tauchert S, Ortmann O, Diedrich K, Weiss JM. Insulin resistance in patients with polycystic ovary syndrome. *Ann Med.* 2004;36(6):426-39. Available from: PubMed; PMID 15513294
- Schuring AN, Schulte N, Sonntag B, Kiesel L. Androgens and insulin--two key players in polycystic ovary syndrome. Recent concepts in the pathophysiology and genetics of polycystic ovary syndrome. *Gynakol Geburtshilfliche Rundsch.* 2008;48(1):9-15. Available from: PubMed; PMID 18209494
- Schweighofer N, Lerchbaum E, Trummer O, Schwetz V, Pilz S, Pieber TR, Obermayer-Pietsch B. Androgen levels and metabolic parameters are associated with a genetic variant of F13A1 in women with polycystic ovary syndrome. *Gene.* 2012 Aug 1;504(1):133-9. Available from: PubMed; PMID 22565190
- Seale FGt, Robinson RD, Neal GS. Association of metformin and pregnancy in the polycystic ovary syndrome. A report of three cases. *J Reprod Med.* 2000 Jun;45(6):507-10. Available from: PubMed; PMID 10900588

- Segal S, Elmadjian M, Takeshige T, Karp S, Mercado R, Rivnay B. Serum inhibin A concentration in women with polycystic ovarian syndrome and the correlation to ethnicity, androgens and insulin resistance. *Reprod Biomed Online*. 2010 May;20(5):675-80. Available from: PubMed; PMID 20231113
- Selimoglu H, Duran C, Kiyici S, Ersoy C, Guclu M, Ozkaya G, Tuncel E, Erturk E, Imamoglu S. The effect of vitamin D replacement therapy on insulin resistance and androgen levels in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2010 Apr;33(4):234-8. Available from: PubMed; PMID 19820295
- Seneviratne HR, Lankeshwara D, Wijeratne S, Somasunderam N, Athukorale D. Serum insulin patterns and the relationship between insulin sensitivity and glycaemic profile in women with polycystic ovary syndrome. *BJOG*. 2009 Dec;116(13):1722-8. Available from: PubMed; PMID 19775306
- Seow KM, Juan CC, Wu LY, Hsu YP, Yang WM, Tsai YL, Hwang JL, Ho LT. Serum and adipocyte resistin in polycystic ovary syndrome with insulin resistance. *Hum Reprod*. 2004 Jan;19(1):48-53. Available from: PubMed; PMID 14688155
- Seow KM, Juan CC, Hsu YP, Hwang JL, Huang LW, Ho LT. Amelioration of insulin resistance in women with PCOS via reduced insulin receptor substrate-1 Ser312 phosphorylation following laparoscopic ovarian electrocautery. *Hum Reprod*. 2007 Apr;22(4):1003-10. Available from: PubMed; PMID 17204522
- Seow KM, Tsai YL, Hwang JL, Hsu WY, Ho LT, Juan CC. Omental adipose tissue overexpression of fatty acid transporter CD36 and decreased expression of hormone-sensitive lipase in insulin-resistant women with polycystic ovary syndrome. *Hum Reprod*. 2009 Aug;24(8):1982-8. Available from: PubMed; PMID 19423542
- Seow KM, Juan CC, Wang PH, Ho LT, Hwang JL. Expression levels of vascular cell adhesion molecule-1 in young and nonobese women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2012;73(3):236-41. Available from: PubMed; PMID 22441212
- Sepilian V, Nagamani M. Adiponectin levels in women with polycystic ovary syndrome and severe insulin resistance. *J Soc Gynecol Investig*. 2005 Feb;12(2):129-34. Available from: PubMed; PMID 15695109
- Sepilian V, Nagamani M. Effects of rosiglitazone in obese women with polycystic ovary syndrome and severe insulin resistance. *J Clin Endocrinol Metab*. 2005 Jan;90(1):60-5. Available from: PubMed; PMID 15483106
- Sepilian VP, Crochet JR, Nagamani M. Serum soluble leptin receptor levels and free leptin index in women with polycystic ovary syndrome: relationship to insulin resistance and androgens. *Fertil Steril*. 2006 May;85(5):1441-7. Available from: PubMed; PMID 16579998
- Shah B, Golden E, Milla S. Unilateral ovarian enlargement in adolescents with polycystic ovary syndrome: a variant of bilateral disease. *J Pediatr Endocrinol Metab*. 2010 Jan-Feb;23(1-2):87-95. Available from: PubMed; PMID 20432811
- Sharifi F, Mazloomi S, Hajhosseini R, Mazloomzadeh S. Serum magnesium concentrations in polycystic ovary syndrome and its association with insulin resistance. *Gynecol Endocrinol*. 2012 Jan;28(1):7-11. Available from: PubMed; PMID 21696337
- Sharma ST, Nestler JE. Prevention of diabetes and cardiovascular disease in women with PCOS: treatment with insulin sensitizers. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):245-60. Available from: PubMed; PMID 16772155
- Sharma ST, Wickham EP, 3rd, Nestler JE. Changes in glucose tolerance with metformin treatment in polycystic ovary syndrome: a retrospective analysis. *Endocr Pract*. 2007 Jul-Aug;13(4):373-9. Available from: PubMed; PMID 17669713
- Sheehan MT. Polycystic ovarian syndrome: diagnosis and management. *Clin Med Res*. 2004 Feb;2(1):13-27. Available from: PubMed; PMID 15931331
- Sherer DM, Dalloul M, Khoury-Collado F, Hellman M, Osho JA, Gupta RS, Abulafia O. Hyperreactio luteinalis presenting with marked hyperglycemia and bilateral multicystic adnexal masses at 21 weeks gestation. *Am J Perinatol*. 2006 Feb;23(2):85-8. Available from: PubMed; PMID 16506113
- Shi Y, Guo M, Yan J, Sun W, Zhang X, Geng L, Xu L, Chen Z. Analysis of clinical characteristics in large-scale Chinese women with polycystic ovary syndrome. *Neuro Endocrinol Lett*. 2007 Dec;28(6):807-10. Available from: PubMed; PMID 18063948
- Shi D, Dyck MK, Uwiera RR, Russell JC, Proctor SD, Vine DF. A unique rodent model of cardiometabolic risk associated with the metabolic syndrome and polycystic ovary syndrome. *Endocrinology*. 2009 Sep;150(9):4425-36. Available from: PubMed; PMID 19470707
- Shobokshi A, Shaarawy M. Correction of insulin resistance and hyperandrogenism in polycystic ovary syndrome by combined rosiglitazone and clomiphene citrate therapy. *J Soc Gynecol Investig*. 2003 Feb;10(2):99-104. Available from: PubMed; PMID 12593999
- Shumak SL. Even lean women with PCOS are insulin resistant. *BMJ*. 2009;338:b954. Available from: PubMed; PMID 19273509
- Sir-Petermann T, Angel B, Maliqueo M, Carvajal F, Santos JL, Perez-Bravo F. Prevalence of Type II diabetes mellitus

and insulin resistance in parents of women with polycystic ovary syndrome. *Diabetologia*. 2002 Jul;45(7):959-64. Available from: PubMed; PMID 12136394

Sir-Petermann T, Angel B, Maliqueo M, Santos JL, Riesco MV, Toloza H, Perez-Bravo F. Insulin secretion in women who have polycystic ovary syndrome and carry the Gly972Arg variant of insulin receptor substrate-1 in response to a high-glycemic or low-glycemic carbohydrate load. *Nutrition*. 2004 Oct;20(10):905-10. Available from: PubMed; PMID 15474880

Sir-Petermann T. Polycystic ovary syndrome, a pathway to type 2 diabetes. *Nutrition*. 2005 Nov-Dec;21(11-12):1160-3. Available from: PubMed; PMID 16308143

Skov V, Glinborg D, Knudsen S, Jensen T, Kruse TA, Tan Q, Brusgaard K, Beck-Nielsen H, Hojlund K. Reduced expression of nuclear-encoded genes involved in mitochondrial oxidative metabolism in skeletal muscle of insulin-resistant women with polycystic ovary syndrome. *Diabetes*. 2007 Sep;56(9):2349-55. Available from: PubMed; PMID 17563058

Soares EM, Azevedo GD, Gadelha RG, Lemos TM, Maranhao TM. Prevalence of the metabolic syndrome and its components in Brazilian women with polycystic ovary syndrome. *Fertil Steril*. 2008 Mar;89(3):649-55. Available from: PubMed; PMID 17543961

Spanos N, Tziomalos K, Macut D, Koiou E, Kandaraki EA, Delkos D, Tsourdi E, Panidis D. Adipokines, insulin resistance and hyperandrogenemia in obese patients with polycystic ovary syndrome: cross-sectional correlations and the effects of weight loss. *Obes Facts*. 2012;5(4):495-504. Available from: PubMed; PMID 22854419

Spranger J, Mohlig M, Wegewitz U, Ristow M, Pfeiffer AF, Schill T, Schlosser HW, Brabant G, Schoff C. Adiponectin is independently associated with insulin sensitivity in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2004 Dec;61(6):738-46. Available from: PubMed; PMID 15579189

Stapley L. PCOS and an increased risk of type 2 diabetes mellitus. *Trends Endocrinol Metab*. 2001 May-Jun;12(4):146. Available from: PubMed; PMID 11295565

Starka L, Duskova M, Cermakova I, Vrbikova J, Hill M. Premature androgenic alopecia and insulin resistance. Male equivalent of polycystic ovary syndrome? *Endocr Regul*. 2005 Dec;39(4):127-31. Available from: PubMed; PMID 16552990

Steiner CA, Janez A, Jensterle M, Reisinger K, Forst T, Pflutzner A. Impact of treatment with rosiglitazone or metformin on biomarkers for insulin resistance and metabolic syndrome in patients with polycystic ovary syndrome. *J Diabetes Sci Technol*. 2007 Mar;1(2):211-7. Available from: PubMed; PMID 19888409

Stener-Victorin E, Baghaei F, Holm G, Janson PO, Olivecrona G, Lonn M, Manneras-Holm L. Effects of acupuncture and exercise on insulin sensitivity, adipose tissue characteristics, and markers of coagulation and fibrinolysis in women with polycystic ovary syndrome: secondary analyses of a randomized controlled trial. *Fertil Steril*. 2012 Feb;97(2):501-8. Available from: PubMed; PMID 22154367

Stephenson T, Stewart G. PCOS: clinical presentation guides treatment of this multifaceted disease. *JAAPA*. 2010 Oct;23(10):20-4. Available from: PubMed; PMID 21128379

Stovall DW, Bailey AP, Pastore LM. Assessment of insulin resistance and impaired glucose tolerance in lean women with polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2011 Jan;20(1):37-43. Available from: PubMed; PMID 21194310

Strowitzki T, Halser B, Demant T. Body fat distribution, insulin sensitivity, ovarian dysfunction and serum lipoproteins in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2002 Feb;16(1):45-51. Available from: PubMed; PMID 11915581

Styne DM. Review of the 2nd Annual World Congress on the Insulin Resistance Syndrome. *J Pediatr Endocrinol Metab*. 2005 Jul;18(7):723-6. Available from: PubMed; PMID 16128250

Styne DM. The 4th International Congress on the Insulin Resistance Syndrome. *Pediatr Endocrinol Rev*. 2007 Jun;4(4):358-61. Available from: PubMed; PMID 17643084

Svendsen PF, Madsbad S, Nilas L. The insulin-resistant phenotype of polycystic ovary syndrome. *Fertil Steril*. 2010 Aug;94(3):1052-8. Available from: PubMed; PMID 19580964

Takeuchi T, Tsutsumi O, Taketani Y. Abnormal response of insulin to glucose loading and assessment of insulin resistance in non-obese patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Jul;24(7):385-91. Available from: PubMed; PMID 18645711

Talbott EO, Zborowski JV, Rager JR, Boudreaux MY, Edmundowicz DA, Guzik DS. Evidence for an association between metabolic cardiovascular syndrome and coronary and aortic calcification among women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Nov;89(11):5454-61. Available from: PubMed; PMID 15531497

Talbott EO, Zborowski JV, Rager JR, Kip KE, Xu X, Orchard TJ. Polycystic ovarian syndrome (PCOS): a significant contributor to the overall burden of type 2 diabetes in women. *J Womens Health (Larchmt)*. 2007 Mar;16(2):191-7. Available from: PubMed; PMID 17388735

- Tan S, Hahn S, Janssen OE. Insulin resistance syndrome and polycystic ovary syndrome: implications for diagnosis and treatment. *Panminerva Med.* 2005 Dec;47(4):211-7. Available from: PubMed; PMID 16489320
- Tan BK, Chen J, Digby JE, Keay SD, Kennedy CR, Randeve HS. Upregulation of adiponectin receptor 1 and 2 mRNA and protein in adipose tissue and adipocytes in insulin-resistant women with polycystic ovary syndrome. *Diabetologia.* 2006 Nov;49(11):2723-8. Available from: PubMed; PMID 17001470
- Tan S, Hahn S, Benson S, Dietz T, Lahner H, Moeller LC, Schmidt M, Elsenbruch S, Kimmig R, Mann K, Janssen OE. Metformin improves polycystic ovary syndrome symptoms irrespective of pre-treatment insulin resistance. *Eur J Endocrinol.* 2007 Nov;157(5):669-76. Available from: PubMed; PMID 17984248
- Tan BK, Heutling D, Chen J, Farhatullah S, Adya R, Keay SD, Kennedy CR, Lehnert H, Randeve HS. Metformin decreases the adipokine vaspin in overweight women with polycystic ovary syndrome concomitant with improvement in insulin sensitivity and a decrease in insulin resistance. *Diabetes.* 2008 Jun;57(6):1501-7. Available from: PubMed; PMID 18375437
- Tan S, Scherag A, Janssen OE, Hahn S, Lahner H, Dietz T, Scherag S, Grallert H, Vogel CI, Kimmig R, Illig T, Mann K, Hebebrand J, Hinney A. Large effects on body mass index and insulin resistance of fat mass and obesity associated gene (FTO) variants in patients with polycystic ovary syndrome (PCOS). *BMC Med Genet.* 2010;11:12. Available from: PubMed; PMID 20092643
- Tan BK, Adya R, Shan X, Aghilla M, Lehnert H, Keay SD, Randeve HS. The anti-atherogenic aspect of metformin treatment in insulin resistant women with the polycystic ovary syndrome: role of the newly established pro-inflammatory adipokine Acute-phase Serum Amyloid A; evidence of an adipose tissue-monocyte axis. *Atherosclerosis.* 2011 Jun;216(2):402-8. Available from: PubMed; PMID 20869715
- Tan BK, Chen J, Adya R, Randeve HS. Phosphoprotein enriched in diabetes gene product (Ped/pea-15) is increased in omental adipose tissue of women with the polycystic ovary syndrome: ex vivo regulation of ped/pea-15 by glucose, insulin and metformin. *Diabetes Obes Metab.* 2011 Feb;13(2):181-4. Available from: PubMed; PMID 21199270
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev.* 2012;5:CD003053. Available from: PubMed; PMID 22592687
- Tao T, Wickham EP, 3rd, Fan W, Yang J, Liu W. Distribution of adiponectin multimeric forms in Chinese women with polycystic ovary syndrome and their relation to insulin resistance. *Eur J Endocrinol.* 2010 Sep;163(3):399-406. Available from: PubMed; PMID 20530094
- Tao T, Li S, Zhao A, Zhang Y, Liu W. Expression of the CD11c gene in subcutaneous adipose tissue is associated with cytokine level and insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2012 Nov;167(5):705-13. Available from: PubMed; PMID 22945299
- Targher G, Lippi G, Moghetti P. Metformin in polycystic ovary syndrome. *N Engl J Med.* 2008 Apr 24;358(17):1867; author reply 8. Available from: PubMed; PMID 18437728
- Targher G, Solagna E, Tosi F, Castello R, Spiazzi G, Zoppini G, Muggeo M, Day CP, Moghetti P. Abnormal serum alanine aminotransferase levels are associated with impaired insulin sensitivity in young women with polycystic ovary syndrome. *J Endocrinol Invest.* 2009 Sep;32(8):695-700. Available from: PubMed; PMID 19542757
- Tarkun I, Arslan BC, Canturk Z, Turemen E, Sahin T, Duman C. Endothelial dysfunction in young women with polycystic ovary syndrome: relationship with insulin resistance and low-grade chronic inflammation. *J Clin Endocrinol Metab.* 2004 Nov;89(11):5592-6. Available from: PubMed; PMID 15531516
- Tarkun I, Canturk Z, Arslan BC, Turemen E, Tarkun P. The plasminogen activator system in young and lean women with polycystic ovary syndrome. *Endocr J.* 2004 Oct;51(5):467-72. Available from: PubMed; PMID 15516780
- Tarkun I, Cetinarslan B, Turemen E, Sahin T, Canturk Z, Komsuoglu B. Effect of rosiglitazone on insulin resistance, C-reactive protein and endothelial function in non-obese young women with polycystic ovary syndrome. *Eur J Endocrinol.* 2005 Jul;153(1):115-21. Available from: PubMed; PMID 15994753
- Tarkun I, Cetinarslan B, Turemen E, Canturk Z, Biyikli M. Association between Circulating Tumor Necrosis Factor-Alpha, Interleukin-6, and Insulin Resistance in Normal-Weight Women with Polycystic Ovary Syndrome. *Metab Syndr Relat Disord.* 2006 Summer;4(2):122-8. Available from: PubMed; PMID 18370758
- Tasali E, Van Cauter E, Hoffman L, Ehrmann DA. Impact of obstructive sleep apnea on insulin resistance and glucose tolerance in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Oct;93(10):3878-84. Available from: PubMed; PMID 18647805
- Taylor AE. Insulin-lowering medications in polycystic ovary syndrome. *Obstet Gynecol Clin North Am.* 2000 Sep;27(3):583-95. Available from: PubMed; PMID 10958005



- Teede HJ, Meyer C, Norman RJ. Insulin-sensitisers in the treatment of polycystic ovary syndrome. *Expert Opin Pharmacother*. 2005 Nov;6(14):2419-27. Available from: PubMed; PMID 16259573
- Teede HJ, Hutchison S, Zoungas S, Meyer C. Insulin resistance, the metabolic syndrome, diabetes, and cardiovascular disease risk in women with PCOS. *Endocrine*. 2006 Aug;30(1):45-53. Available from: PubMed; PMID 17185791
- Teede HJ, Hutchison SK, Zoungas S. The management of insulin resistance in polycystic ovary syndrome. *Trends Endocrinol Metab*. 2007 Sep;18(7):273-9. Available from: PubMed; PMID 17698366
- Teede HJ, Meyer C, Hutchison SK, Zoungas S, McGrath BP, Moran LJ. Endothelial function and insulin resistance in polycystic ovary syndrome: the effects of medical therapy. *Fertil Steril*. 2010 Jan;93(1):184-91. Available from: PubMed; PMID 19019358
- Tellechea ML, Muzzio DO, Iglesias Molli AE, Belli SH, Graffigna MN, Levalle OA, Frechtel GD, Cerrone GE. Association between beta2-adrenoceptor (ADRB2) haplotypes and insulin resistance in PCOS. *Clin Endocrinol (Oxf)*. 2012 Aug 20. Available from: PubMed; PMID 22900502
- Tfayli H, Arslanian S. Menstrual health and the metabolic syndrome in adolescents. *Ann N Y Acad Sci*. 2008;1135:85-94. Available from: PubMed; PMID 18574212
- Thomann R, Rossinelli N, Keller U, Tirri BF, De Geyter C, Ruiz J, Kranzlin M, Puder JJ. Differences in low-grade chronic inflammation and insulin resistance in women with previous gestational diabetes mellitus and women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Apr;24(4):199-206. Available from: PubMed; PMID 18382906
- Tok EC, Ertunc D, Evruke C, Dilek S. The androgenic profile of women with non-insulin-dependent diabetes mellitus. *J Reprod Med*. 2004 Sep;49(9):746-52. Available from: PubMed; PMID 15493567
- Tomlinson J, Millward A, Stenhouse E, Pinkney J. Type 2 diabetes and cardiovascular disease in polycystic ovary syndrome: what are the risks and can they be reduced? *Diabet Med*. 2010 May;27(5):498-515. Available from: PubMed; PMID 20536945
- Topcu S, Tok D, Caliskan M, Ozcimen EE, Gullu H, Uckuyu A, Erdogan D, Zeyneloglu H, Muderrisoglu H. Metformin therapy improves coronary microvascular function in patients with polycystic ovary syndrome and insulin resistance. *Clin Endocrinol (Oxf)*. 2006 Jul;65(1):75-80. Available from: PubMed; PMID 16817823
- Toprak S, Yonem A, Cakir B, Guler S, Azal O, Ozata M, Corakci A. Insulin resistance in nonobese patients with polycystic ovary syndrome. *Horm Res*. 2001;55(2):65-70. Available from: PubMed; PMID 11509861
- Torun AN, Vural M, Cece H, Camuzcuoglu H, Toy H, Aksoy N. Paraoxonase-1 is not affected in polycystic ovary syndrome without metabolic syndrome and insulin resistance, but oxidative stress is altered. *Gynecol Endocrinol*. 2011 Dec;27(12):988-92. Available from: PubMed; PMID 21557696
- Toscani M, Migliavacca R, Sisson de Castro JA, Spritzer PM. Estimation of truncal adiposity using waist circumference or the sum of trunk skinfolds: a pilot study for insulin resistance screening in hirsute patients with or without polycystic ovary syndrome. *Metabolism*. 2007 Jul;56(7):992-7. Available from: PubMed; PMID 17570263
- Toscani MK, Mario FM, Radavelli-Bagatini S, Spritzer PM. Insulin resistance is not strictly associated with energy intake or dietary macronutrient composition in women with polycystic ovary syndrome. *Nutr Res*. 2011 Feb;31(2):97-103. Available from: PubMed; PMID 21419313
- Tosi F, Dorizzi R, Castello R, Maffei C, Spiazzi G, Zoppini G, Muggeo M, Moghetti P. Body fat and insulin resistance independently predict increased serum C-reactive protein in hyperandrogenic women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Nov;161(5):737-45. Available from: PubMed; PMID 19713424
- Toulis KA, Goulis DG, Kolibianakis EM, Venetis CA, Tarlatzis BC, Papadimas I. Risk of gestational diabetes mellitus in women with polycystic ovary syndrome: a systematic review and a meta-analysis. *Fertil Steril*. 2009 Aug;92(2):667-77. Available from: PubMed; PMID 18710713
- Trolle B, Lauszus FF. Risk factors for glucose intolerance in Danish women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2005 Dec;84(12):1192-6. Available from: PubMed; PMID 16305707
- Trottier A, Battista MC, Geller DH, Moreau B, Carpentier AC, Simoneau-Roy J, Baillargeon JP. Adipose tissue insulin resistance in peripubertal girls with first-degree family history of polycystic ovary syndrome. *Fertil Steril*. 2012 Sep 14. Available from: PubMed; PMID 22985947
- Turhan NO, Seckin NC, Aybar F, Inegol I. Assessment of glucose tolerance and pregnancy outcome of polycystic ovary patients. *Int J Gynaecol Obstet*. 2003 May;81(2):163-8. Available from: PubMed; PMID 12706273
- Ucar B, Noyan V, Caglayan O, Yucel A, Sagsoz N. Plasma adrenomedullin levels in patients with polycystic ovary syndrome. *Fertil Steril*. 2006 Oct;86(4):942-8. Available from: PubMed; PMID 16963041
- Ulloa-Aguirre A, Portocarrero L, Zarinan T, Olivares A, Carranza-Lira S, Veldhuis JD, Lopez-Alvarenga JC. Effects of metformin on inappropriate LH release in women with polycystic ovarian syndrome and insulin

- resistance. *Reprod Biomed Online*. 2006 Jun;12(6):669-83. Available from: PubMed; PMID 16792841
- Uncu G, Ozyurek SE, Uncu Y. ACTH stimulation test in lean polycystic ovary syndrome patients with insulin resistance. *Fertil Steril*. 2007 Sep;88(3):670-4. Available from: PubMed; PMID 17451692
- Unluhizarci K, Kelestimur F, Bayram F. Insulin-sensitizing agents and their effect on adrenal androgens. *Fertil Steril*. 2000 Nov;74(5):1058-9. Available from: PubMed; PMID 11185467
- Unluhizarci K, Ozocak M, Tanriverdi F, Atmaca H, Kelestimur F. Investigation of hypothalamo-pituitary-gonadal axis and glucose intolerance among the first-degree female relatives of women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1377-82. Available from: PubMed; PMID 17336975
- Vaikkakara S, Al-Ozairi E, Lim E, Advani A, Ball SG, James RA, Quinton R. The investigation and management of severe hyperandrogenism pre- and postmenopause: non-tumor disease is strongly associated with metabolic syndrome and typically responds to insulin-sensitization with metformin. *Gynecol Endocrinol*. 2008 Feb;24(2):87-92. Available from: PubMed; PMID 18210332
- Vambergue A, Lautier C, Valat AS, Cortet-Rudelli C, Grigorescu F, Dewailly D. Follow-up study of two sisters with type A syndrome of severe insulin resistance gives a new insight into PCOS pathogenesis in relation to puberty and pregnancy outcome: a case report. *Hum Reprod*. 2006 May;21(5):1274-8. Available from: PubMed; PMID 16410336
- Velling Magnussen L, Mumm H, Andersen M, Glintborg D. Hemoglobin A1c as a tool for the diagnosis of type 2 diabetes in 208 premenopausal women with polycystic ovary syndrome. *Fertil Steril*. 2011 Nov;96(5):1275-80. Available from: PubMed; PMID 21982282
- Veltman-Verhulst SM, van Haeften TW, Eijkemans MJ, de Valk HW, Fauser BC, Goverde AJ. Sex hormone-binding globulin concentrations before conception as a predictor for gestational diabetes in women with polycystic ovary syndrome. *Hum Reprod*. 2010 Dec;25(12):3123-8. Available from: PubMed; PMID 20943702
- Veltman-Verhulst SM, van Rijn BB, Westerveld HE, Franx A, Bruinse HW, Fauser BC, Goverde AJ. Polycystic ovary syndrome and early-onset preeclampsia: reproductive manifestations of increased cardiovascular risk. *Menopause*. 2010 Sep-Oct;17(5):990-6. Available from: PubMed; PMID 20551845
- Venkatesan AM, Dunaif A, Corbould A. Insulin resistance in polycystic ovary syndrome: progress and paradoxes. *Recent Prog Horm Res*. 2001;56:295-308. Available from: PubMed; PMID 11237218
- Verit FF. Dehydroepiandrosterone sulfate and insulin resistance in patients with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):e2; author reply e3. Available from: PubMed; PMID 19362307
- Verit FF. High sensitive serum C-reactive protein and its relationship with other cardiovascular risk factors in normoinsulinemic polycystic ovary patients without metabolic syndrome. *Arch Gynecol Obstet*. 2010 Jun;281(6):1009-14. Available from: PubMed; PMID 19771438
- Verit FF. The prevalence of metabolic syndrome in clomiphene citrate resistant polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 May;28(5):365-9. Available from: PubMed; PMID 22409701
- Vervita V, Saltamavros AD, Adonakis G, Tsapanos V, Decavalas G, Georgopoulos NA. Obesity and insulin resistance increase plasma viscosity in young women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Oct;25(10):640-6. Available from: PubMed; PMID 19557593
- Vgontzas AN, Legro RS, Bixler EO, Grayev A, Kales A, Chrousos GP. Polycystic ovary syndrome is associated with obstructive sleep apnea and daytime sleepiness: role of insulin resistance. *J Clin Endocrinol Metab*. 2001 Feb;86(2):517-20. Available from: PubMed; PMID 11158002
- Victor VM, Rocha M, Banuls C, Sanchez-Serrano M, Sola E, Gomez M, Hernandez-Mijares A. Mitochondrial complex I impairment in leukocytes from polycystic ovary syndrome patients with insulin resistance. *J Clin Endocrinol Metab*. 2009 Sep;94(9):3505-12. Available from: PubMed; PMID 19567514
- Victor VM, Rocha M, Banuls C, Alvarez A, de Pablo C, Sanchez-Serrano M, Gomez M, Hernandez-Mijares A. Induction of oxidative stress and human leukocyte/endothelial cell interactions in polycystic ovary syndrome patients with insulin resistance. *J Clin Endocrinol Metab*. 2011 Oct;96(10):3115-22. Available from: PubMed; PMID 21778215
- Vigil P, Contreras P, Alvarado JL, Godoy A, Salgado AM, Cortes ME. Evidence of subpopulations with different levels of insulin resistance in women with polycystic ovary syndrome. *Hum Reprod*. 2007 Nov;22(11):2974-80. Available from: PubMed; PMID 17895281
- Vignesh JP, Mohan V. Polycystic ovary syndrome: a component of metabolic syndrome? *J Postgrad Med*. 2007 Apr-Jun;53(2):128-34. Available from: PubMed; PMID 17495382
- Vigouroux C. What have we learned from monogenic forms of severe insulin resistance associated with PCOS/HAIRAN? *Ann Endocrinol (Paris)*. 2010 May;71(3):222-4. Available from: PubMed; PMID 20362964

Vlaisavljevic V, Kovac V, Sajko MC. Impact of insulin resistance on the developmental potential of immature oocytes retrieved from human chorionic gonadotropin-primed women with polycystic ovary syndrome undergoing in vitro maturation. *Fertil Steril*. 2009 Mar;91(3):957-9. Available from: PubMed; PMID 18321495

Vollenhoven B, Clark S, Kovacs G, Burger H, Healy D. Prevalence of gestational diabetes mellitus in polycystic ovarian syndrome (PCOS) patients pregnant after ovulation induction with gonadotrophins. *Aust N Z J Obstet Gynaecol*. 2000 Feb;40(1):54-8. Available from: PubMed; PMID 10870780

Vrbiklova J, Hill M, Starka L, Vondra K, Sulcova J, Snajderova M, Cibula D, Pobisova Z, Bendlova B. An analysis of the relationship between insulin resistance and the activity of steroid C17,20-lyase and 3beta-hydroxysteroid dehydrogenase in ovaries and adrenals in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2000;108(7):455-62. Available from: PubMed; PMID 11083066

Vrbikova J, Cibula D, Dvorakova K, Stanicka S, Sindelka G, Hill M, Fanta M, Vondra K, Skrha J. Insulin sensitivity in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Jun;89(6):2942-5. Available from: PubMed; PMID 15181081

Vrbikova J, Hill M, Dvorakova K, Stanicka S, Vondra K, Starka L. Flutamide suppresses adrenal steroidogenesis but has no effect on insulin resistance and secretion and lipid levels in overweight women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2004;58(1):36-41. Available from: PubMed; PMID 15087595

Vrbikova J, Vondra K, Cibula D, Dvorakova K, Stanicka S, Sramkova D, Sindelka G, Hill M, Bendlova B, Skrha J. Metabolic syndrome in young Czech women with polycystic ovary syndrome. *Hum Reprod*. 2005 Dec;20(12):3328-32. Available from: PubMed; PMID 16085666

Vrbikova J, Dvorakova K, Grimmichova T, Hill M, Stanicka S, Cibula D, Bendlova B, Starka L, Vondra K. Prevalence of insulin resistance and prediction of glucose intolerance and type 2 diabetes mellitus in women with polycystic ovary syndrome. *Clin Chem Lab Med*. 2007;45(5):639-44. Available from: PubMed; PMID 17484627

Vrbikova J, Grimmichova T, Dvorakova K, Hill M, Stanicka S, Vondra K. Family history of diabetes mellitus determines insulin sensitivity and beta cell function in polycystic ovary syndrome. *Physiol Res*. 2008;57(4):547-53. Available from: PubMed; PMID 17705674

Vrbikova J, Bendlova B, Vankova M, Dvorakova K, Grimmichova T, Vondra K, Pacini G. Beta cell function and insulin sensitivity in women with polycystic ovary syndrome: influence of the family history of type 2 diabetes

mellitus. *Gynecol Endocrinol*. 2009 Sep;25(9):597-602. Available from: PubMed; PMID 19572227

Vrbikova J, Fanta M, Cibula D, Vondra K, Bendlova B. Impaired glucose metabolism in women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2009;68(3):186-90. Available from: PubMed; PMID 19672087

Vrbikova J, Zamrazilova H, Sedlackova B, Snajderova M. Metabolic syndrome in adolescents with polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Oct;27(10):820-2. Available from: PubMed; PMID 20807165

Vural B, Caliskan E, Turkoz E, Kilic T, Demirci A. Evaluation of metabolic syndrome frequency and premature carotid atherosclerosis in young women with polycystic ovary syndrome. *Hum Reprod*. 2005 Sep;20(9):2409-13. Available from: PubMed; PMID 15919774

Vural P, Kusku-Kiraz Z, Dogru-Abbasoglu S, Cil E, Karadag B, Uysal M. Vascular endothelial growth factor +405 G/C, -460 T/C and -2578 A/C polymorphisms are not associated with insulin resistance in polycystic ovary syndrome. *Int J Immunogenet*. 2010 Aug;37(4):239-43. Available from: PubMed; PMID 20477880

Walch K, Grimm C, Nagele F, Huber J, Wolfler M, Vytiska-Binstorfer E, Unfried G, Hefler L. Impaired glucose tolerance is associated with changes in clinical and biochemical parameters in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2006;85(7):869-73. Available from: PubMed; PMID 16817088

Wang Y, Fedorcsak P, Dale PO, Storeng R, Abyholm T, Tanbo T. Simplification of continuous infusion of glucose with model assessment in the evaluation of insulin resistance in women with PCOS. *Gynecol Endocrinol*. 2001 Jun;15(3):192-7. Available from: PubMed; PMID 11447730

Wang HS, Wang TH. Polycystic ovary syndrome (PCOS), insulin resistance and insulin-like growth factors (IGFs)/IGF-binding proteins (IGFBPs). *Chang Gung Med J*. 2003 Aug;26(8):540-53. Available from: PubMed; PMID 14609034

Wang Y, Sun Y, Qiu H. Expression of resistin mRNA in adipose tissue of rat model with polycystic ovarian syndrome and its implication. *J Huazhong Univ Sci Technolog Med Sci*. 2004;24(6):621-4. Available from: PubMed; PMID 15791860

Wang JG, Anderson RA, Graham GM, 3rd, Chu MC, Sauer MV, Guarnaccia MM, Lobo RA. The effect of cinnamon extract on insulin resistance parameters in polycystic ovary syndrome: a pilot study. *Fertil Steril*. 2007 Jul;88(1):240-3. Available from: PubMed; PMID 17296187

Wang Y, Qu J, Wu X, Hou L, Erkkola R, Wang Y. Different phenotypes of polycystic ovary syndrome by Rotterdam criteria are differently steroidogenic but

- similarly insulin resistant. *Fertil Steril*. 2010 Mar 1;93(4):1362-5. Available from: PubMed; PMID 19782351
- Wang ET, Calderon-Margalit R, Cedars MI, Daviglus ML, Merkin SS, Schreiner PJ, Sternfeld B, Wellons M, Schwartz SM, Lewis CE, Williams OD, Siscovick DS, Bibbins-Domingo K. Polycystic ovary syndrome and risk for long-term diabetes and dyslipidemia. *Obstet Gynecol*. 2011 Jan;117(1):6-13. Available from: PubMed; PMID 21173640
- Wang Q, Guo T, Tao Y, Wang Q, Song Y, Huang W. Association between serum adipocyte factor level and insulin resistance in polycystic ovarian syndrome. *Gynecol Endocrinol*. 2011 Nov;27(11):931-4. Available from: PubMed; PMID 21495802
- Weerakiet S, Srisombut C, Bunnag P, Sangtong S, Chuangsoongnoen N, Rojanasakul A. Prevalence of type 2 diabetes mellitus and impaired glucose tolerance in Asian women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2001 Nov;75(2):177-84. Available from: PubMed; PMID 11684113
- Weerakiet S. Polycystic ovary syndrome and the metabolic syndrome. *J Med Assoc Thai*. 2004 Oct;87 Suppl 3:S189-93. Available from: PubMed; PMID 21213522
- Weerakiet S, Srisombut C, Rojanasakul A, Panburana P, Thakkinstian A, Herabutya Y. Prevalence of gestational diabetes mellitus and pregnancy outcomes in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Sep;19(3):134-40. Available from: PubMed; PMID 15697074
- Weerakiet S, Bunnag P, Phakdeekitcharoen B, Wansumrith S, Chanprasertyothin S, Jultanas R, Thakkinstian A. Prevalence of the metabolic syndrome in Asian women with polycystic ovary syndrome: using the International Diabetes Federation criteria. *Gynecol Endocrinol*. 2007 Mar;23(3):153-60. Available from: PubMed; PMID 17454169
- Weerakiet S, Tingthanatikul Y, Boonnag P, Wansumrith S, Rattanasiri S, Leelaphiwat S. Can adiponectin predict abnormal glucose tolerance in Thai women with polycystic ovary syndrome? *J Obstet Gynaecol Res*. 2008 Feb;34(1):55-61. Available from: PubMed; PMID 18226130
- Wehr E, Moller R, Horejsi R, Giuliani A, Kopera D, Schweighofer N, Groselj-Strele A, Pieber TR, Obermayer-Pietsch B. Subcutaneous adipose tissue topography and metabolic disturbances in polycystic ovary syndrome. *Wien Klin Wochenschr*. 2009;121(7-8):262-9. Available from: PubMed; PMID 19562283
- Wehr E, Pilz S, Schweighofer N, Giuliani A, Kopera D, Pieber TR, Obermayer-Pietsch B. Association of hypovitaminosis D with metabolic disturbances in polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Oct;161(4):575-82. Available from: PubMed; PMID 19628650
- Wehr E, Gruber HJ, Giuliani A, Moller R, Pieber TR, Obermayer-Pietsch B. The lipid accumulation product is associated with impaired glucose tolerance in PCOS women. *J Clin Endocrinol Metab*. 2011 Jun;96(6):E986-90. Available from: PubMed; PMID 21470992
- Wehr E, Trummer O, Giuliani A, Gruber HJ, Pieber TR, Obermayer-Pietsch B. Vitamin D-associated polymorphisms are related to insulin resistance and vitamin D deficiency in polycystic ovary syndrome. *Eur J Endocrinol*. 2011 May;164(5):741-9. Available from: PubMed; PMID 21389086
- Wei HJ, Young R, Kuo IL, Liaw CM, Chiang HS, Yeh CY. Prevalence of insulin resistance and determination of risk factors for glucose intolerance in polycystic ovary syndrome: a cross-sectional study of Chinese infertility patients. *Fertil Steril*. 2009 May;91(5):1864-8. Available from: PubMed; PMID 18565519
- Weiping L, Qingfeng C, Shikun M, Xiurong L, Hua Q, Xiaoshu B, Suhua Z, Qifu L. Elevated serum RBP4 is associated with insulin resistance in women with polycystic ovary syndrome. *Endocrine*. 2006 Dec;30(3):283-7. Available from: PubMed; PMID 17526940
- Wijeyaratne CN, Balen AH, Barth JH, Belchetz PE. Clinical manifestations and insulin resistance (IR) in polycystic ovary syndrome (PCOS) among South Asians and Caucasians: is there a difference? *Clin Endocrinol (Oxf)*. 2002 Sep;57(3):343-50. Available from: PubMed; PMID 12201826
- Wijeyaratne CN, Balen AH, Belchetz PE. Polycystic ovary syndrome and its relevance to women from south Asia. *Ceylon Med J*. 2002 Mar;47(1):22-6. Available from: PubMed; PMID 12001601
- Wijeyaratne CN, Nirantharakumar K, Balen AH, Barth JH, Sheriff R, Belchetz PE. Plasma homocysteine in polycystic ovary syndrome: does it correlate with insulin resistance and ethnicity? *Clin Endocrinol (Oxf)*. 2004 May;60(5):560-7. Available from: PubMed; PMID 15104558
- Wijeyaratne CN, Waduge R, Arandara D, Arasalingam A, Sivasuriam A, Dodampahala SH, Balen AH. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG*. 2006 Oct;113(10):1182-7. Available from: PubMed; PMID 16972862
- Wijeyaratne CN, Seneviratne Rde A, Dahanayake S, Kumarapeli V, Palipane E, Kuruppu N, Yapa C, Seneviratne Rde A, Balen AH. Phenotype and metabolic profile of South Asian women with polycystic ovary syndrome (PCOS): results of a large database from a specialist Endocrine Clinic. *Hum Reprod*. 2011 Jan;26(1):202-13. Available from: PubMed; PMID 21098627

- Wiltgen D, Furtado L, Kohek MB, Spritzer PM. CAPN10 UCSNP-43, UCSNP-19 and UCSNP-63 polymorphisms and metabolic syndrome in polycystic ovary syndrome. *Gynecol Endocrinol*. 2007 Mar;23(3):173-8. Available from: PubMed; PMID 17454172
- Wiwanitkit V. Insulin resistance and polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2011 Apr;24(2):e44. Available from: PubMed; PMID 20493742
- Wongwananuruk T, Rattanachaiyanont M, Indhavivadhana S, Leerasing P, Techatrasak K, Tanmahasamut P, Angsuwathana S, Dangrat C. Prevalence and clinical predictors of insulin resistance in reproductive-aged Thai women with polycystic ovary syndrome. *Int J Endocrinol*. 2012;2012:529184. Available from: PubMed; PMID 22287962
- Wongwananuruk T, Rattanachaiyanont M, Leerasing P, Indhavivadhana S, Techatrasak K, Angsuwathana S, Tanmahasamut P, Dangrat C. The Usefulness of Homeostatic Measurement Assessment-Insulin Resistance (HOMA-IR) for Detection of Glucose Intolerance in Thai Women of Reproductive Age with Polycystic Ovary Syndrome. *Int J Endocrinol*. 2012;2012:571035. Available from: PubMed; PMID 22737168
- Wu XK, Zhou SY, Liu JX, Pollanen P, Sallinen K, Makinen M, Erkkola R. Selective ovary resistance to insulin signaling in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Oct;80(4):954-65. Available from: PubMed; PMID 14556818
- Xiang SK, Hua F, Tang Y, Jiang XH, Zhuang Q, Qian FJ. Relationship between Serum Lipoprotein Ratios and Insulin Resistance in Polycystic Ovary Syndrome. *Int J Endocrinol*. 2012;2012:173281. Available from: PubMed; PMID 22792101
- Xita N, Georgiou I, Chatzikiyriakidou A, Vounatsou M, Papassotiriou GP, Papassotiriou I, Tsatsoulis A. Effect of adiponectin gene polymorphisms on circulating adiponectin and insulin resistance indexes in women with polycystic ovary syndrome. *Clin Chem*. 2005 Feb;51(2):416-23. Available from: PubMed; PMID 15590747
- Xita N, Papassotiriou I, Georgiou I, Vounatsou M, Margeli A, Tsatsoulis A. The adiponectin-to-leptin ratio in women with polycystic ovary syndrome: relation to insulin resistance and proinflammatory markers. *Metabolism*. 2007 Jun;56(6):766-71. Available from: PubMed; PMID 17512308
- Yalamanchi SK, Sam S, Cardenas MO, Holaday LW, Urbanek M, Dunaif A. Association of fibrillin-3 and transcription factor-7-like 2 gene variants with metabolic phenotypes in PCOS. *Obesity (Silver Spring)*. 2012 Jun;20(6):1273-8. Available from: PubMed; PMID 22301903
- Yang S, Li Q, Song Y, Tian B, Cheng Q, Qing H, Zhong L, Xia W. Serum complement C3 has a stronger association with insulin resistance than high-sensitivity C-reactive protein in women with polycystic ovary syndrome. *Fertil Steril*. 2011 Apr;95(5):1749-53. Available from: PubMed; PMID 21316661
- Yang S, Li Q, Zhong L, Song Y, Tian B, Cheng Q, Qing H, Xia W, Luo M, Mei M. Serum pigment epithelium-derived factor is elevated in women with polycystic ovary syndrome and correlates with insulin resistance. *J Clin Endocrinol Metab*. 2011 Mar;96(3):831-6. Available from: PubMed; PMID 21209034
- Yasmin E, Glanville J, Barth J, Balen AH. Effect of dose escalation of metformin on clinical features, insulin sensitivity and androgen profile in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 May;156(1):67-71. Available from: PubMed; PMID 21277073
- Yildir IC, Kutluturk F, Tasliyurt T, Yelken BM, Acu B, Beyhan M, Erkorkmaz U, Yilmaz A. Insulin resistance and cardiovascular risk factors in women with PCOS who have normal glucose tolerance test. *Gynecol Endocrinol*. 2012 Nov 5. Available from: PubMed; PMID 23127112
- Yildiz BO, Gedik O. Insulin resistance in polycystic ovary syndrome: hyperandrogenemia versus normoandrogenemia. *Eur J Obstet Gynecol Reprod Biol*. 2001 Dec 10;100(1):62-6. Available from: PubMed; PMID 11728659
- Yildiz BO, Yarali H, Oguz H, Bayraktar M. Glucose intolerance, insulin resistance, and hyperandrogenemia in first degree relatives of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 May;88(5):2031-6. Available from: PubMed; PMID 12727950
- Yildiz BO, Gedik O. Assessment of glucose intolerance and insulin sensitivity in polycystic ovary syndrome. *Reprod Biomed Online*. 2004 Jun;8(6):649-56. Available from: PubMed; PMID 15169580
- Yildizhan R, Kurdoglu M, Adali E, Kulusari A, Yildizhan B, Sahin HG, Kamaci M. Serum 25-hydroxyvitamin D concentrations in obese and non-obese women with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2009 Oct;280(4):559-63. Available from: PubMed; PMID 19214546
- Yilmaz M, Biri A, Karakoc A, Toruner F, Bingol B, Cakir N, Tiras B, Ayvaz G, Arslan M. The effects of rosiglitazone and metformin on insulin resistance and serum androgen levels in obese and lean patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2005 Dec;28(11):1003-8. Available from: PubMed; PMID 16483179
- Yilmaz M, Bukan N, Ersoy R, Karakoc A, Yetkin I, Ayvaz G, Cakir N, Arslan M. Glucose intolerance, insulin resistance and cardiovascular risk factors in first degree relatives of women with polycystic ovary syndrome. *Hum*

- Reprod. 2005 Sep;20(9):2414-20. Available from: PubMed; PMID 15890734
- Yilmaz M, Ergun MA, Karakoc A, Yurtcu E, Cakir N, Arslan M. Pro12Ala polymorphism of the peroxisome proliferator-activated receptor-gamma gene in women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2006 Jun;22(6):336-42. Available from: PubMed; PMID 16785159
- Yilmaz N, Pektas M, Tonguc E, Kilic S, Gulerman C, Gungor T, Mollamahmutoglu L. The correlation of plasma homocysteine with insulin resistance in polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2008 Jun;34(3):384-91. Available from: PubMed; PMID 18686355
- Yilmaz M, Isaoglu U, Delibas IB, Kadanali S. Anthropometric, clinical and laboratory comparison of four phenotypes of polycystic ovary syndrome based on Rotterdam criteria. *J Obstet Gynaecol Res.* 2011 Aug;37(8):1020-6. Available from: PubMed; PMID 21481088
- Yin Q, Chen X, Li L, Zhou R, Huang J, Yang D. Apolipoprotein B/apolipoprotein A1 ratio is a good predictive marker of metabolic syndrome and pre-metabolic syndrome in Chinese adolescent women with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2012 Jun 4. Available from: PubMed; PMID 22672648
- Yoshida K, Yamaguchi M, Morinaga T, Ikeuchi M, Kinehara M, Ashida H. Genetic modification of *Bacillus subtilis* for production of D-chiro-inositol, an investigational drug candidate for treatment of type 2 diabetes and polycystic ovary syndrome. *Appl Environ Microbiol.* 2006 Feb;72(2):1310-5. Available from: PubMed; PMID 16461681
- Yoshihara K, Yahata T, Kashima K, Mikami T, Tanaka K. Association of single nucleotide polymorphisms in adiponectin and its receptor genes with polycystic ovary syndrome. *J Reprod Med.* 2009 Nov-Dec;54(11-12):669-74. Available from: PubMed; PMID 20120899
- Yucel A, Noyan V, Sagsoz N. The association of serum androgens and insulin resistance with fat distribution in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2006 May 1;126(1):81-6. Available from: PubMed; PMID 16337726
- Yuksel O, Dokmetas HS, Topcu S, Erselcan T, Sencan M. Relationship between bone mineral density and insulin resistance in polycystic ovary syndrome. *J Bone Miner Metab.* 2001;19(4):257-62. Available from: PubMed; PMID 11448019
- Zacur HA. Polycystic ovary syndrome, hyperandrogenism, and insulin resistance. *Obstet Gynecol Clin North Am.* 2001 Mar;28(1):21-33. Available from: PubMed; PMID 11293002
- Zargar AH, Gupta VK, Wani AI, Masoodi SR, Bashir MI, Laway BA, Ganie MA, Salahuddin M. Prevalence of ultrasonography proved polycystic ovaries in North Indian women with type 2 diabetes mellitus. *Reprod Biol Endocrinol.* 2005;3:35. Available from: PubMed; PMID 16095537
- Zhang YF, Yang YS, Hong J, Gu WQ, Shen CF, Xu M, Du PF, Li XY, Ning G. Elevated serum levels of interleukin-18 are associated with insulin resistance in women with polycystic ovary syndrome. *Endocrine.* 2006 Jun;29(3):419-23. Available from: PubMed; PMID 16943580
- Zhang N, Shi YH, Hao CF, Gu HF, Li Y, Zhao YR, Wang LC, Chen ZJ. Association of +45G15G(T/G) and +276(G/T) polymorphisms in the ADIPOQ gene with polycystic ovary syndrome among Han Chinese women. *Eur J Endocrinol.* 2008 Feb;158(2):255-60. Available from: PubMed; PMID 18230834
- Zhang J, Fan P, Liu H, Bai H, Wang Y, Zhang F. Apolipoprotein A-I and B levels, dyslipidemia and metabolic syndrome in south-west Chinese women with PCOS. *Hum Reprod.* 2012 Aug;27(8):2484-93. Available from: PubMed; PMID 22674204
- Zhao S, Qiao J, Li M, Zhang X, Yu J, Li R. Discovery of distinct protein profiles for polycystic ovary syndrome with and without insulin resistance by surface-enhanced laser adsorption/ionization time of flight mass spectrometry. *Fertil Steril.* 2007 Jul;88(1):145-51. Available from: PubMed; PMID 17562338
- Zhao X, Zhong J, Mo Y, Chen X, Chen Y, Yang D. Association of biochemical hyperandrogenism with type 2 diabetes and obesity in Chinese women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2010 Feb;108(2):148-51. Available from: PubMed; PMID 19932893
- Zhao L, Li W, Han F, Hou L, Baillargeon JP, Kuang H, Wang Y, Wu X. Berberine reduces insulin resistance induced by dexamethasone in theca cells in vitro. *Fertil Steril.* 2011 Jan;95(1):461-3. Available from: PubMed; PMID 20840879
- Zulian E, Sartorato P, Benedini S, Baro G, Armanini D, Mantero F, Scaroni C. Spironolactone in the treatment of polycystic ovary syndrome: effects on clinical features, insulin sensitivity and lipid profile. *J Endocrinol Invest.* 2005 Jan;28(1):49-53. Available from: PubMed; PMID 15816371

## Cardiovascular Disease

Case problem: dietary recommendations to combat obesity, insulin resistance, and other concerns related to polycystic ovary syndrome. *J Am Diet Assoc.* 2000 Aug;100(8):955-7; discussion 7-60. Available from: PubMed; PMID 10955058

Irregular periods linked to heart attacks. *Harv Health Lett.* 2002 Nov;28(1):7. Available from: PubMed; PMID 12453752

Polycystic ovary syndrome may raise heart disease risk. *Health News.* 2002 Apr;8(4):7. Available from: PubMed; PMID 11989459

ACOG practice bulletin. Polycystic ovary syndrome. Number 41, December 2002. *Int J Gynaecol Obstet.* 2003 Mar;80(3):335-48. Available from: PubMed; PMID 12688250

American Association of Clinical Endocrinologists Position Statement on Metabolic and Cardiovascular Consequences of Polycystic Ovary Syndrome. *Endocr Pract.* 2005 Mar-Apr;11(2):126-34. Available from: PubMed; PMID 15915567

Retraction: Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res.* 2010 Feb;36(1):218. Available from: PubMed; PMID 20178557

Consensus on women's health aspects of polycystic ovary syndrome (PCOS). *Hum Reprod.* 2012 Jan;27(1):14-24. Available from: PubMed; PMID 22147920

Adali E, Yildizhan R, Kurdoglu M, Bugdayci G, Kulusari A, Sahin HG. Increased plasma thrombin-activatable fibrinolysis inhibitor levels in young obese women with polycystic ovary syndrome. *Fertil Steril.* 2010 Jul;94(2):666-72. Available from: PubMed; PMID 19368913

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. Hyperinsulinemia and uterine perfusion in patients with polycystic ovary syndrome. *Ultrasound Obstet Gynecol.* 2002 Sep;20(3):276-80. Available from: PubMed; PMID 12230452

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. The treatment of polycystic ovary syndrome. *Minerva Ginecol.* 2004 Feb;56(1):15-26. Available from: PubMed; PMID 14973407

Akbarzadeh S, Ghasemi S, Kalantarhormozi M, Nabipour I, Abbasi F, Aminfar A, Jaffari SM, Motamed N, Movahed A, Mirzaei M, Rahbar AR. Relationship among plasma adipokines, insulin and androgens level as well as biochemical glycemic and lipidemic markers with incidence of PCOS in women with normal BMI. *Gynecol*

*Endocrinol.* 2012 Jul;28(7):521-4. Available from: PubMed; PMID 22309615

Akram T, Hasan S, Imran M, Karim A, Arslan M. Association of polycystic ovary syndrome with cardiovascular risk factors. *Gynecol Endocrinol.* 2010 Jan;26(1):47-53. Available from: PubMed; PMID 19639500

Alanbay I, Ercan CM, Sakinci M, Coksuer H, Ozturk M, Tapan S. A macrophage activation marker chitotriosidase in women with PCOS: does low-grade chronic inflammation in PCOS relate to PCOS itself or obesity? *Arch Gynecol Obstet.* 2012 Oct;286(4):1065-71. Available from: PubMed; PMID 22718099

Alanbay I, Mutlu Ercan C, Coksuer H, Sakinci M, Karasahin KE, Ozturk O, Yaman H. Neopterin: a promising marker for the inflammation in polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Nov;28(11):879-83. Available from: PubMed; PMID 22607465

Alemzadeh R, Kichler J, Calhoun M. Spectrum of metabolic dysfunction in relationship with hyperandrogenemia in obese adolescent girls with polycystic ovary syndrome. *Eur J Endocrinol.* 2010 Jun;162(6):1093-9. Available from: PubMed; PMID 20371657

Alemzadeh R, Kansra AR. New adolescent polycystic ovary syndrome perspectives. *Minerva Pediatr.* 2011 Feb;63(1):35-47. Available from: PubMed; PMID 21311428

Alexander CJ, Tangchitnob EP, Lepor NE. Polycystic ovary syndrome: a major unrecognized cardiovascular risk factor in women. *Rev Obstet Gynecol.* 2009 Fall;2(4):232-9. Available from: PubMed; PMID 20111659

Alexander CJ, Tangchitnob EP, Lepor NE. Polycystic ovary syndrome: a major unrecognized cardiovascular risk factor in women. *Rev Cardiovasc Med.* 2009 Spring;10(2):83-90. Available from: PubMed; PMID 19593320

Alexandraki K, Protogerou AD, Papaioannou TG, Piperi C, Mastorakos G, Lekakis J, Panidis D, Diamanti-Kandarakis E. Early microvascular and macrovascular dysfunction is not accompanied by structural arterial injury in polycystic ovary syndrome. *Hormones (Athens).* 2006 Apr-Jun;5(2):126-36. Available from: PubMed; PMID 16807225

Allahbadia GN, Merchant R. Polycystic ovary syndrome in the Indian Subcontinent. *Semin Reprod Med.* 2008 Jan;26(1):22-34. Available from: PubMed; PMID 18181079

Allemand MC, Irving BA, Asmann YW, Klaus KA, Tatpati L, Coddington CC, Nair KS. Effect of testosterone on insulin stimulated IRS1 Ser phosphorylation in primary rat myotubes--a potential model for PCOS-related insulin

- resistance. *PLoS One*. 2009;4(1):e4274. Available from: PubMed; PMID 19169352
- Al-Ojaimi EH. Pregnancy outcomes after laparoscopic ovarian drilling in women with polycystic ovarian syndrome. *Saudi Med J*. 2006 Apr;27(4):519-25. Available from: PubMed; PMID 16598331
- Alpaslan M, Onrat E, Yilmazer M, Fenkci V. QT dispersion in patients with polycystic ovary syndrome. *Jpn Heart J*. 2002 Sep;43(5):487-93. Available from: PubMed; PMID 12452306
- Amato MC, Galluzzo A, Merlino S, Mattina A, Richiusa P, Criscimanna A, Giordano C. Lower insulin sensitivity differentiates hirsute from non-hirsute Sicilian women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Dec;155(6):859-65. Available from: PubMed; PMID 17132756
- Amato MC, Galluzzo A, Finocchiaro S, Criscimanna A, Giordano C. The evaluation of metabolic parameters and insulin sensitivity for a more robust diagnosis of the polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2008 Jul;69(1):52-60. Available from: PubMed; PMID 18034780
- Amato MC, Verghi M, Galluzzo A, Giordano C. The oligomenorrhic phenotypes of polycystic ovary syndrome are characterized by a high visceral adiposity index: a likely condition of cardiometabolic risk. *Hum Reprod*. 2011 Jun;26(6):1486-94. Available from: PubMed; PMID 21447694
- Amato MC, Verghi M, Nucera M, Galluzzo A, Giordano C. Low estradiol-to-testosterone ratio is associated with oligo-anovulatory cycles and atherogenic lipidic pattern in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Aug;27(8):579-86. Available from: PubMed; PMID 20608809
- Amer S, Li TC, Samuelson C, Ledger W. The impact of insulin resistance on the outcome of laparoscopic ovarian diathermy in women with polycystic ovarian syndrome. *Acta Obstet Gynecol Scand*. 2011 Apr;90(4):338-43. Available from: PubMed; PMID 21306324
- Anaforoglu I, Algun E, Incecayir O, Ersoy K. Higher metabolic risk with National Institutes of Health versus Rotterdam diagnostic criteria for polycystic ovarian syndrome in Turkish women. *Metab Syndr Relat Disord*. 2011 Oct;9(5):375-80. Available from: PubMed; PMID 21657888
- Anaforoglu I, Topbas M, Algun E. Relative associations of polycystic ovarian syndrome vs metabolic syndrome with thyroid function, volume, nodularity and autoimmunity. *J Endocrinol Invest*. 2011 Oct;34(9):e259-64. Available from: PubMed; PMID 21521934
- Andiran N, Yordam N. Lipoprotein(a) levels in girls with premature adrenarche. *J Paediatr Child Health*. 2008 Mar;44(3):138-42. Available from: PubMed; PMID 18307419
- Andrejevic S, Bonaci-Nikolic B, Bukilica M, Macut D, Miljic P, Pavlovic M, Djukic P, Nikolic MM, Havelka M. Intracardiac thrombosis and fever possibly triggered by ovulation induction in a patient with antiphospholipid antibodies. *Scand J Rheumatol*. 2002;31(4):249-51. Available from: PubMed; PMID 12369659
- Angioni S, Sanna S, Magnini R, Melis GB, Fulghesu AM. The quantitative insulin sensitivity check index is not able to detect early metabolic alterations in young patients with polycystic ovarian syndrome. *Gynecol Endocrinol*. 2011 Jul;27(7):468-74. Available from: PubMed; PMID 20540677
- Antoine HJ, Pall M, Trader BC, Chen YD, Azziz R, Goodarzi MO. Genetic variants in peroxisome proliferator-activated receptor gamma influence insulin resistance and testosterone levels in normal women, but not those with polycystic ovary syndrome. *Fertil Steril*. 2007 Apr;87(4):862-9. Available from: PubMed; PMID 17141766
- Apridonidze T, Essah PA, Iuorno MJ, Nestler JE. Prevalence and characteristics of the metabolic syndrome in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Apr;90(4):1929-35. Available from: PubMed; PMID 15623819
- Araujo Penna I, Canella PR, Vieira CS, Silva de Sa MF, dos Reis RM, Ferriani RA. Cardiovascular risk factors are reduced with a low dose of acarbose in obese patients with polycystic ovary syndrome. *Fertil Steril*. 2007 Aug;88(2):519-22. Available from: PubMed; PMID 17418836
- Ardabili HR, Gargari BP, Farzadi L. Vitamin D supplementation has no effect on insulin resistance assessment in women with polycystic ovary syndrome and vitamin D deficiency. *Nutr Res*. 2012 Mar;32(3):195-201. Available from: PubMed; PMID 22464806
- Ardawi MS, Rouzi AA. Plasma adiponectin and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2005 Jun;83(6):1708-16. Available from: PubMed; PMID 15950640
- Arıkan S, Akay H, Bahceci M, Tuzcu A, Gokalp D. The evaluation of endothelial function with flow-mediated dilatation and carotid intima media thickness in young nonobese polycystic ovary syndrome patients; existence of insulin resistance alone may not represent an adequate condition for deterioration of endothelial function. *Fertil Steril*. 2009 Feb;91(2):450-5. Available from: PubMed; PMID 18501898
- Armanini D, Pellati D, Fiore C. Polycystic ovary syndrome: implications of corticotropin in the regulation of blood pressure, aldosterone, and androgen secretion.



Hypertension. 2007 Aug;50(2):e24; author reply e5. Available from: PubMed; PMID 17576851

Arslanian SA, Lewy VD, Danadian K. Glucose intolerance in obese adolescents with polycystic ovary syndrome: roles of insulin resistance and beta-cell dysfunction and risk of cardiovascular disease. *J Clin Endocrinol Metab.* 2001 Jan;86(1):66-71. Available from: PubMed; PMID 11231980

Arslanian SA, Lewy V, Danadian K, Saad R. Metformin therapy in obese adolescents with polycystic ovary syndrome and impaired glucose tolerance: amelioration of exaggerated adrenal response to adrenocorticotropin with reduction of insulinemia/insulin resistance. *J Clin Endocrinol Metab.* 2002 Apr;87(4):1555-9. Available from: PubMed; PMID 11932281

Atabekoglu CS, Sonmezer M, Ozmen B, Yarci A, Akbiyik F, Tasci T, Aytac R. Increased monocyte chemoattractant protein-1 levels indicating early vascular damage in lean young PCOS patients. *Fertil Steril.* 2011 Jan;95(1):295-7. Available from: PubMed; PMID 20869052

Atiomo WU, Condon J, Adekanmi O, Friend J, Wilkin TJ, Prentice AG. Are women with polycystic ovary syndrome resistant to activated protein C? *Fertil Steril.* 2000 Dec;74(6):1229-32. Available from: PubMed; PMID 11119756

Atiomo WU, El-Mahdi E, Hardiman P. Familial associations in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Jul;80(1):143-5. Available from: PubMed; PMID 12849816

Attaoua R, Ait El Mkedem S, Radian S, Fica S, Hanzu F, Albu A, Gheorghiu M, Coculescu M, Grigorescu F. FTO gene associates to metabolic syndrome in women with polycystic ovary syndrome. *Biochem Biophys Res Commun.* 2008 Aug 22;373(2):230-4. Available from: PubMed; PMID 18572014

Aydogdu A, Tasci I, Tapan S, Basaran Y, Aydogan U, Meric C, Sonmez A, Aydogdu S, Akbulut H, Taslipinar A, Uckaya G, Azal O. High plasma level of long Pentraxin 3 is associated with insulin resistance in women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Sep;28(9):722-5. Available from: PubMed; PMID 22304663

Aydogdu A, Tasci I, Tapan S, Sonmez A, Aydogan U, Akbulut H, Uckaya G, Aydogdu S, Basaran Y, Meric C, Taslipinar A, Kurt I, Azal O. Women with polycystic ovary syndrome have increased plasma chitotriosidase activity: a pathophysiological link between inflammation and impaired insulin sensitivity? *Exp Clin Endocrinol Diabetes.* 2012 May;120(5):261-5. Available from: PubMed; PMID 22549343

Aziz M, Naver KV, Wissing ML, Mikkelsen AL, Nilas L, Skouby SO. Polycystic ovary syndrome: infertility, cardiovascular, metabolic and obstetrical risks, laboratory

and clinical outcomes -- the PICOLO Study. *Gynecol Endocrinol.* 2012 Apr;28(4):253-8. Available from: PubMed; PMID 22217188

Azziz R. Polycystic ovary syndrome, insulin resistance, and molecular defects of insulin signaling. *J Clin Endocrinol Metab.* 2002 Sep;87(9):4085-7. Available from: PubMed; PMID 12213851

Azziz R. How prevalent is metabolic syndrome in women with polycystic ovary syndrome? *Nat Clin Pract Endocrinol Metab.* 2006 Mar;2(3):132-3. Available from: PubMed; PMID 16932270

Bahceci M, Tuzcu A, Bahceci S, Tuzcu S. Is hyperprolactinemia associated with insulin resistance in non-obese patients with polycystic ovary syndrome? *J Endocrinol Invest.* 2003 Jul;26(7):655-9. Available from: PubMed; PMID 14594118

Bahceci M, Tuzcu A, Canoruc N, Tuzun Y, Kidir V, Aslan C. Serum C-reactive protein (CRP) levels and insulin resistance in non-obese women with polycystic ovarian syndrome, and effect of bicalutamide on hirsutism, CRP levels and insulin resistance. *Horm Res.* 2004;62(6):283-7. Available from: PubMed; PMID 15542929

Bahceci M, Aydemir M, Tuzcu A. Effects of oral fat and glucose tolerance test on serum lipid profile, apolipoprotein, and CRP concentration, and insulin resistance in patients with polycystic ovary syndrome. *Fertil Steril.* 2007 Jun;87(6):1363-8. Available from: PubMed; PMID 17362944

Baillargeon JP. Use of insulin sensitizers in polycystic ovarian syndrome. *Curr Opin Investig Drugs.* 2005 Oct;6(10):1012-22. Available from: PubMed; PMID 16259222

Baillargeon JP, Carpentier AC. Brothers of women with polycystic ovary syndrome are characterised by impaired glucose tolerance, reduced insulin sensitivity and related metabolic defects. *Diabetologia.* 2007 Dec;50(12):2424-32. Available from: PubMed; PMID 17898989

Balen A, Rajkowska M. Polycystic ovary syndrome--a systemic disorder? *Best Pract Res Clin Obstet Gynaecol.* 2003 Apr;17(2):263-74. Available from: PubMed; PMID 12758099

Banaszewska B, Spaczynski RZ, Pelesz M, Pawelczyk L. Incidence of elevated LH/FSH ratio in polycystic ovary syndrome women with normo- and hyperinsulinemia. *Rocz Akad Med Bialymst.* 2003;48:131-4. Available from: PubMed; PMID 14737959

Banaszewska B, Duleba AJ, Spaczynski RZ, Pawelczyk L. Lipids in polycystic ovary syndrome: role of hyperinsulinemia and effects of metformin. *Am J Obstet Gynecol.* 2006 May;194(5):1266-72. Available from: PubMed; PMID 16647909

- Banaszewska B, Pawelczyk L, Spaczynski RZ, Duleba AJ. Comparison of simvastatin and metformin in treatment of polycystic ovary syndrome: prospective randomized trial. *J Clin Endocrinol Metab.* 2009 Dec;94(12):4938-45. Available from: PubMed; PMID 19890022
- Banning M. Symptoms and treatments of polycystic ovary syndrome. *Br J Nurs.* 2006 Jun 22-Jul 12;15(12):635-9. Available from: PubMed; PMID 16835536
- Baranova A, Tran TP, Birerdinc A, Younossi ZM. Systematic review: association of polycystic ovary syndrome with metabolic syndrome and non-alcoholic fatty liver disease. *Aliment Pharmacol Ther.* 2011 Apr;33(7):801-14. Available from: PubMed; PMID 21251033
- Barber TM, McCarthy MI, Franks S, Wass JA. Metabolic syndrome in polycystic ovary syndrome. *Endokrynol Pol.* 2007 Jan-Feb;58(1):34-41. Available from: PubMed; PMID 17354203
- Barber TM, Wass JA, McCarthy MI, Franks S. Metabolic characteristics of women with polycystic ovaries and oligomenorrhoea but normal androgen levels: implications for the management of polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2007 Apr;66(4):513-7. Available from: PubMed; PMID 17371468
- Barcellos CR, Rocha MP, Hayashida SA, Mion Junior D, Lage SG, Marcondes JA. Impact of body mass index on blood pressure levels in patients with polycystic ovary syndrome. *Arq Bras Endocrinol Metabol.* 2007 Oct;51(7):1104-9. Available from: PubMed; PMID 18157386
- Barfield E, Liu YH, Kessler M, Pawelczak M, David R, Shah B. The prevalence of abnormal liver enzymes and metabolic syndrome in obese adolescent females with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2009 Oct;22(5):318-22. Available from: PubMed; PMID 19576817
- Barutcuoglu B, Bozdemir AE, Dereli D, Parildar Z, Mutaf MI, Ozmen D, Bayindir O. Increased serum neopterin levels in women with polycystic ovary syndrome. *Ann Clin Lab Sci.* 2006 Summer;36(3):267-72. Available from: PubMed; PMID 16951267
- Batista JG, Soares-Jr JM, Maganhin CC, Simoes RS, Tomaz G, Baracat EC. Assessing the benefits of rosiglitazone in women with polycystic ovary syndrome through its effects on insulin-like growth factor 1, insulin-like growth factor-binding protein-3 and insulin resistance: a pilot study. *Clinics (Sao Paulo).* 2012;67(3):283-7. Available from: PubMed; PMID 22473412
- Battaglia C, Mancini F, Cianciosi A, Busacchi P, Persico N, Paradisi R, Facchinetti F, de Aloysio D. Cardiovascular risk in normal weight, eumenorrheic, nonhirsute daughters of patients with polycystic ovary syndrome: a pilot study. *Fertil Steril.* 2009 Jul;92(1):240-9. Available from: PubMed; PMID 18692809
- Battaglia C, Mancini F, Fabbri R, Persico N, Busacchi P, Facchinetti F, Venturoli S. Polycystic ovary syndrome and cardiovascular risk in young patients treated with drospirenone-ethinylestradiol or contraceptive vaginal ring. A prospective, randomized, pilot study. *Fertil Steril.* 2010 Sep;94(4):1417-25. Available from: PubMed; PMID 19591981
- Battaglia C, Battaglia B, Mancini F, Paradisi R, Fabbri R, Venturoli S. Ultrasonographic extended-view technique for evaluation of abdominal fat distribution in lean women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2011 Jun;90(6):600-8. Available from: PubMed; PMID 21401530
- Bayrak A, Terbell H, Urwitz-Lane R, Mor E, Stanczyk FZ, Paulson RJ. Acute effects of metformin therapy include improvement of insulin resistance and ovarian morphology. *Fertil Steril.* 2007 Apr;87(4):870-5. Available from: PubMed; PMID 17224152
- Bayram F, Kocer D, Ozsan M, Muhtaroglu S. Evaluation of endothelial dysfunction, lipid metabolism in women with polycystic ovary syndrome: relationship of paraoxonase 1 activity, malondialdehyde levels, low-density lipoprotein subfractions, and endothelial dysfunction. *Gynecol Endocrinol.* 2012 Jul;28(7):497-501. Available from: PubMed; PMID 22703625
- Beckman JA, Goldfine AB, Dunaif A, Gerhard-Herman M, Creager MA. Endothelial function varies according to insulin resistance disease type. *Diabetes Care.* 2007 May;30(5):1226-32. Available from: PubMed; PMID 17261751
- Bekx MT, Connor EC, Allen DB. Characteristics of adolescents presenting to a multidisciplinary clinic for polycystic ovarian syndrome. *J Pediatr Adolesc Gynecol.* 2010 Feb;23(1):7-10. Available from: PubMed; PMID 19648034
- Belli SH, Graffigna MN, Oneto A, Otero P, Schurman L, Levalle OA. Effect of rosiglitazone on insulin resistance, growth factors, and reproductive disturbances in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Mar;81(3):624-9. Available from: PubMed; PMID 15037412
- Ben-Haroush A, Yogeve Y, Fisch B. Insulin resistance and metformin in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Aug 10;115(2):125-33. Available from: PubMed; PMID 15262344
- Ben-Shlomo I. The polycystic ovary syndrome: what does insulin resistance have to do with it? *Reprod Biomed Online.* 2003 Jan-Feb;6(1):36-42. Available from: PubMed; PMID 12626141

- Benson S, Janssen OE, Hahn S, Tan S, Dietz T, Mann K, Pleger K, Schedlowski M, Arck PC, Elsenbruch S. Obesity, depression, and chronic low-grade inflammation in women with polycystic ovary syndrome. *Brain Behav Immun*. 2008 Feb;22(2):177-84. Available from: PubMed; PMID 17716857
- Bentley-Lewis R, Seely E, Dunaif A. Ovarian hypertension: polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2011 Jun;40(2):433-49, ix-x. Available from: PubMed; PMID 21565677
- Berent-Spillson A, Love T, Pop-Busui R, Sowers M, Persad CC, Pennington KP, Eyvazaddeh AD, Padmanabhan V, Zubieta JK, Smith YR. Insulin resistance influences central opioid activity in polycystic ovary syndrome. *Fertil Steril*. 2011 Jun 30;95(8):2494-8. Available from: PubMed; PMID 21486668
- Berneis K, Rizzo M, Hersberger M, Rini GB, Di Fede G, Pepe I, Spinass GA, Carmina E. Atherogenic forms of dyslipidaemia in women with polycystic ovary syndrome. *Int J Clin Pract*. 2009 Jan;63(1):56-62. Available from: PubMed; PMID 19125993
- Bethea SW, Nestler JE. Comorbidities in polycystic ovary syndrome: their relationship to insulin resistance. *Panminerva Med*. 2008 Dec;50(4):295-304. Available from: PubMed; PMID 19078870
- Bhathena RK. Insulin resistance and the long-term consequences of polycystic ovary syndrome. *J Obstet Gynaecol*. 2011;31(2):105-10. Available from: PubMed; PMID 21281021
- Bhatia V. Insulin resistance in polycystic ovarian disease. *South Med J*. 2005 Sep;98(9):903-10; quiz 11-2, 23. Available from: PubMed; PMID 16217983
- Bhattacharya SM. Metabolic syndrome in females with polycystic ovary syndrome and International Diabetes Federation criteria. *J Obstet Gynaecol Res*. 2008 Feb;34(1):62-6. Available from: PubMed; PMID 18226131
- Bhattacharya SM. Prevalence of metabolic syndrome in women with polycystic ovary syndrome, using two proposed definitions. *Gynecol Endocrinol*. 2010 Jul;26(7):516-20. Available from: PubMed; PMID 20540665
- Bhattacharya SM. Insulin resistance and overweight-obese women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 May;26(5):344-7. Available from: PubMed; PMID 19903118
- Bhattacharya SM, Ghosh M. Insulin resistance and adolescent girls with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2010 Jun;23(3):158-61. Available from: PubMed; PMID 19963413
- Bhattacharya SM, Jha A. Prevalence and risk of metabolic syndrome in adolescent Indian girls with polycystic ovary syndrome using the 2009 'joint interim criteria'. *J Obstet Gynaecol Res*. 2011 Oct;37(10):1303-7. Available from: PubMed; PMID 21535308
- Bickerton AS, Clark N, Meeking D, Shaw KM, Crook M, Lumb P, Turner C, Cummings MH. Cardiovascular risk in women with polycystic ovarian syndrome (PCOS). *J Clin Pathol*. 2005 Feb;58(2):151-4. Available from: PubMed; PMID 15677534
- Biyasheva A, Legro RS, Dunaif A, Urbanek M. Evidence for association between polycystic ovary syndrome (PCOS) and TCF7L2 and glucose intolerance in women with PCOS and TCF7L2. *J Clin Endocrinol Metab*. 2009 Jul;94(7):2617-25. Available from: PubMed; PMID 19351735
- Bjercke S, Dale PO, Tanbo T, Storeng R, Ertzeid G, Abyholm T. Impact of insulin resistance on pregnancy complications and outcome in women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2002;54(2):94-8. Available from: PubMed; PMID 12566751
- Blackwell VC, Salis P, Groves RW, Baldeweg SE, Conway GS, Unwin RJ. Partial lipodystrophy, polycystic ovary syndrome and proteinuria: a common link to insulin resistance? *J R Soc Med*. 2001 May;94(5):238-40. Available from: PubMed; PMID 11385092
- Bloomgarden ZT. Second World Congress on the Insulin Resistance Syndrome: mediators, pediatric insulin resistance, the polycystic ovary syndrome, and malignancy. *Diabetes Care*. 2005 Jul;28(7):1821-30. Available from: PubMed; PMID 15983348
- Bonini S, Mantelli F, Moretti C, Lambiase A, Bonini S, Micera A. Itchy-dry eye associated with polycystic ovary syndrome. *Am J Ophthalmol*. 2007 May;143(5):763-71. Available from: PubMed; PMID 17362862
- Boomsma CM, Eijkemans MJ, Hughes EG, Visser GH, Fauser BC, Macklon NS. A meta-analysis of pregnancy outcomes in women with polycystic ovary syndrome. *Hum Reprod Update*. 2006 Nov-Dec;12(6):673-83. Available from: PubMed; PMID 16891296
- Boulman N, Levy Y, Leiba R, Shachar S, Linn R, Zinder O, Blumenfeld Z. Increased C-reactive protein levels in the polycystic ovary syndrome: a marker of cardiovascular disease. *J Clin Endocrinol Metab*. 2004 May;89(5):2160-5. Available from: PubMed; PMID 15126536
- Bowen-Simpkins P. Detecting polycystic ovary syndrome. *Practitioner*. 2007 Mar;251(1692):51-2, 4-6. Available from: PubMed; PMID 17441487
- Bremer AA, Miller WL. The serine phosphorylation hypothesis of polycystic ovary syndrome: a unifying mechanism for hyperandrogenemia and insulin resistance. *Fertil Steril*. 2008 May;89(5):1039-48. Available from: PubMed; PMID 18433749

- Brennan K, Huang A, Azziz R. Dehydroepiandrosterone sulfate and insulin resistance in patients with polycystic ovary syndrome. *Fertil Steril*. 2009 May;91(5):1848-52. Available from: PubMed; PMID 18439591
- Brettenthaler N, De Geyter C, Huber PR, Keller U. Effect of the insulin sensitizer pioglitazone on insulin resistance, hyperandrogenism, and ovulatory dysfunction in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Aug;89(8):3835-40. Available from: PubMed; PMID 15292314
- Brinkworth GD, Noakes M, Moran LJ, Norman R, Clifton PM. Flow-mediated dilatation in overweight and obese women with polycystic ovary syndrome. *BJOG*. 2006 Nov;113(11):1308-14. Available from: PubMed; PMID 17059392
- Broekmans FJ, Fauser BC. Diagnostic criteria for polycystic ovarian syndrome. *Endocrine*. 2006 Aug;30(1):3-11. Available from: PubMed; PMID 17185786
- Brown AJ. Depression and insulin resistance: applications to polycystic ovary syndrome. *Clin Obstet Gynecol*. 2004 Sep;47(3):592-6. Available from: PubMed; PMID 15326421
- Brown AJ, Tendler DA, McMurray RG, Setji TL. Polycystic ovary syndrome and severe nonalcoholic steatohepatitis: beneficial effect of modest weight loss and exercise on liver biopsy findings. *Endocr Pract*. 2005 Sep-Oct;11(5):319-24. Available from: PubMed; PMID 16191492
- Brzozowska MM, Ostapowicz G, Weltman MD. An association between non-alcoholic fatty liver disease and polycystic ovarian syndrome. *J Gastroenterol Hepatol*. 2009 Feb;24(2):243-7. Available from: PubMed; PMID 19215335
- Burchall G, Linden MD, Teede H, Piva TJ. Hemostatic abnormalities and relationships to metabolic and hormonal status in polycystic ovarian syndrome. *Trends Cardiovasc Med*. 2011 Jan;21(1):6-14. Available from: PubMed; PMID 22498014
- Burt Solorzano CM, McCartney CR, Blank SK, Knudsen KL, Marshall JC. Hyperandrogenaemia in adolescent girls: origins of abnormal gonadotropin-releasing hormone secretion. *BJOG*. 2010 Jan;117(2):143-9. Available from: PubMed; PMID 20002394
- Caglar GS, Oztas E, Karadag D, Pabuccu R, Demirtas S. Ischemia-modified albumin and cardiovascular risk markers in polycystic ovary syndrome with or without insulin resistance. *Fertil Steril*. 2011 Jan;95(1):310-3. Available from: PubMed; PMID 20701906
- Caglar GS, Oztas E, Karadag D, Pabuccu R, Eren AA. The association of urinary albumin excretion and metabolic complications in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 Jan;154(1):57-61. Available from: PubMed; PMID 20888116
- Cagnacci A, Paoletti AM, Renzi A, Orru M, Pilloni M, Melis GB, Volpe A. Glucose metabolism and insulin resistance in women with polycystic ovary syndrome during therapy with oral contraceptives containing cyproterone acetate or desogestrel. *J Clin Endocrinol Metab*. 2003 Aug;88(8):3621-5. Available from: PubMed; PMID 12915645
- Cakal E, Ozkaya M, Engin-Ustun Y, Ustun Y. Serum lipocalin-2 as an insulin resistance marker in patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2011 Feb;34(2):97-100. Available from: PubMed; PMID 20511727
- Cakir E, Ozbek M, Ozkaya E, Colak N, Cakal E, Sayki M, Gungunes A, Aliyazicioglu Y, Mentese A, Delibasi T. Oxidative stress markers are not valuable markers in lean and early age of polycystic ovary syndrome patients. *J Endocrinol Invest*. 2011 Jul-Aug;34(7):e178-82. Available from: PubMed; PMID 21088474
- Campbell JM, Poirier BW. Polycystic ovary syndrome: a case presentation. *Clin Excell Nurse Pract*. 2000 Nov;4(6):341-4. Available from: PubMed; PMID 11858316
- Carmassi F, De Negri F, Fioriti R, De Giorgi A, Giannarelli C, Fruzzetti F, Pedrinelli R, Dell'Omo G, Bersi C. Insulin resistance causes impaired vasodilation and hypofibrinolysis in young women with polycystic ovary syndrome. *Thromb Res*. 2005;116(3):207-14. Available from: PubMed; PMID 15935829
- Carmina E, Legro RS, Stamets K, Lowell J, Lobo RA. Difference in body weight between American and Italian women with polycystic ovary syndrome: influence of the diet. *Hum Reprod*. 2003 Nov;18(11):2289-93. Available from: PubMed; PMID 14585875
- Carmina E, Lobo RA. Use of fasting blood to assess the prevalence of insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2004 Sep;82(3):661-5. Available from: PubMed; PMID 15374711
- Carmina E, Chu MC, Longo RA, Rini GB, Lobo RA. Phenotypic variation in hyperandrogenic women influences the findings of abnormal metabolic and cardiovascular risk parameters. *J Clin Endocrinol Metab*. 2005 May;90(5):2545-9. Available from: PubMed; PMID 15728203
- Carmina E. Metabolic syndrome in polycystic ovary syndrome. *Minerva Ginecol*. 2006 Apr;58(2):109-14. Available from: PubMed; PMID 16582867
- Carmina E, Napoli N, Longo RA, Rini GB, Lobo RA. Metabolic syndrome in polycystic ovary syndrome (PCOS): lower prevalence in southern Italy than in the USA and the influence of criteria for the diagnosis of

- PCOS. *Eur J Endocrinol*. 2006 Jan;154(1):141-5. Available from: PubMed; PMID 16382003
- Carmina E. Need for liver evaluation in polycystic ovary syndrome. *J Hepatol*. 2007 Sep;47(3):313-5. Available from: PubMed; PMID 17624467
- Carmina E, Bucchieri S, Esposito A, Del Puente A, Mansueto P, Orio F, Di Fede G, Rini G. Abdominal fat quantity and distribution in women with polycystic ovary syndrome and extent of its relation to insulin resistance. *J Clin Endocrinol Metab*. 2007 Jul;92(7):2500-5. Available from: PubMed; PMID 17405838
- Carmina E. Cardiovascular risk and events in polycystic ovary syndrome. *Climacteric*. 2009;12 Suppl 1:22-5. Available from: PubMed; PMID 19811236
- Cascella T, Palomba S, Tauchmanova L, Manguso F, Di Biase S, Labella D, Giallauria F, Vigorito C, Colao A, Lombardi G, Orio F. Serum aldosterone concentration and cardiovascular risk in women with polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2006 Nov;91(11):4395-400. Available from: PubMed; PMID 16940454
- Cascella T, Palomba S, De Sio I, Manguso F, Giallauria F, De Simone B, Tafuri D, Lombardi G, Colao A, Orio F. Visceral fat is associated with cardiovascular risk in women with polycystic ovary syndrome. *Hum Reprod*. 2008 Jan;23(1):153-9. Available from: PubMed; PMID 18024952
- Castelo-Branco C, Steinvarcel F, Osorio A, Ros C, Balasch J. Atherogenic metabolic profile in PCOS patients: role of obesity and hyperandrogenism. *Gynecol Endocrinol*. 2010 Oct;26(10):736-42. Available from: PubMed; PMID 20569105
- Castillo-Quan JI. Insulin resistance, hypercortisolism, polycystic ovarian syndrome, and depression--nonrandom associations? *Fertil Steril*. 2008 Apr;89(4):1029-30; author reply 30. Available from: PubMed; PMID 18325512
- Cattrall FR, Healy DL. Long-term metabolic, cardiovascular and neoplastic risks with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):803-12. Available from: PubMed; PMID 15380148
- Cekmez F, Cekmez Y, Pirgon O, Canpolat FE, Aydinov S, Metin Ipcioglu O, Karademir F. Evaluation of new adipocytokines and insulin resistance in adolescents with polycystic ovary syndrome. *Eur Cytokine Netw*. 2011 Mar;22(1):32-7. Available from: PubMed; PMID 21411410
- Celik O, Yesilada E, Hascalik S, Celik N, Sahin I, Keskin L, Ozerol E. Angiotensin-converting enzyme gene polymorphism and risk of insulin resistance in PCOS. *Reprod Biomed Online*. 2010 Apr;20(4):492-8. Available from: PubMed; PMID 20138007
- Celik C, Abali R, Tasdemir N, Guzel S, Yuksel A, Aksu E, Yilmaz M. Is subclinical hypothyroidism contributing dyslipidemia and insulin resistance in women with polycystic ovary syndrome? *Gynecol Endocrinol*. 2012 Aug;28(8):615-8. Available from: PubMed; PMID 22329744
- Celik O, Acbay O. Effects of metformin plus rosuvastatin on hyperandrogenism in polycystic ovary syndrome patients with hyperlipidemia and impaired glucose tolerance. *J Endocrinol Invest*. 2012 Apr 18. Available from: PubMed; PMID 22522778
- Cenk Sayin N, Gucer F, Balkanli-Kaplan P, Ali Yuze M, Yardim T. Insulin resistance and lipid profile in women with polycystic appearing ovaries: implications with regard to polycystic ovary syndrome. *Gynecol Endocrinol*. 2003 Oct;17(5):387-96. Available from: PubMed; PMID 14710586
- Cetinkalp S, Karadeniz M, Erdogan M, Zengi A, Cetintas V, Tetik A, Eroglu Z, Kosova B, Ozgen AG, Saygili F, Yilmaz C. Apolipoprotein E gene polymorphism and polycystic ovary syndrome patients in Western Anatolia, Turkey. *J Assist Reprod Genet*. 2009 Jan;26(1):1-6. Available from: PubMed; PMID 19057990
- Cetinkalp S, Erdogan M, Karadeniz M, Berdeli A, Tamsel S, Ozgen AG, Saygili F, Yilmaz C. The relationship of the Fas 670 A/G gene polymorphism with cardiovascular risk factors in polycystic ovary syndrome (PCOS) patients. *Gynecol Endocrinol*. 2010 Mar;26(3):167-72. Available from: PubMed; PMID 19718569
- Chae SJ, Kim JJ, Choi YM, Hwang KR, Jee BC, Ku SY, Suh CS, Kim SH, Kim JG, Moon SY. Clinical and biochemical characteristics of polycystic ovary syndrome in Korean women. *Hum Reprod*. 2008 Aug;23(8):1924-31. Available from: PubMed; PMID 18579512
- Chandrasekar R, Kiran U, Weerakkody AN. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG*. 2007 Mar;114(3):375-6; author reply 6. Available from: PubMed; PMID 17313391
- Chang AY, Wild RA. Characterizing cardiovascular risk in women with polycystic ovary syndrome: more than the sum of its parts? *Semin Reprod Med*. 2009 Jul;27(4):299-305. Available from: PubMed; PMID 19530063
- Chang AY, Ayers C, Minhajuddin A, Jain T, Nurenberg P, de Lemos JA, Wild RA, Auchus RJ. Polycystic ovarian syndrome and subclinical atherosclerosis among women of reproductive age in the Dallas heart study. *Clin Endocrinol (Oxf)*. 2011 Jan;74(1):89-96. Available from: PubMed; PMID 21044112
- Charmandari E, Chrousos GP. Metabolic syndrome manifestations in classic congenital adrenal hyperplasia: do they predispose to atherosclerotic cardiovascular disease and secondary polycystic ovary syndrome? *Ann N Y Acad*

Sci. 2006 Nov;1083:37-53. Available from: PubMed; PMID 17148732

Chazenbalk G, Chen YH, Heneidi S, Lee JM, Pall M, Chen YD, Azziz R. Abnormal expression of genes involved in inflammation, lipid metabolism, and Wnt signaling in the adipose tissue of polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2012 May;97(5):E765-70. Available from: PubMed; PMID 22344199

Cheang KI, Nestler JE, Futterweit W. Risk of cardiovascular events in mothers of women with polycystic ovary syndrome. *Endocr Pract.* 2008 Dec;14(9):1084-94. Available from: PubMed; PMID 19158047

Cheang KI, Huszar JM, Best AM, Sharma S, Essah PA, Nestler JE. Long-term effect of metformin on metabolic parameters in the polycystic ovary syndrome. *Diab Vasc Dis Res.* 2009 Apr;6(2):110-9. Available from: PubMed; PMID 20368201

Chekir C, Nakatsuka M, Kamada Y, Noguchi S, Sasaki A, Hiramatsu Y. Impaired uterine perfusion associated with metabolic disorders in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2005 Feb;84(2):189-95. Available from: PubMed; PMID 15683382

Chen MJ, Yang WS, Yang JH, Hsiao CK, Yang YS, Ho HN. Low sex hormone-binding globulin is associated with low high-density lipoprotein cholesterol and metabolic syndrome in women with PCOS. *Hum Reprod.* 2006 Sep;21(9):2266-71. Available from: PubMed; PMID 16757555

Chen MJ, Yang WS, Yang JH, Chen CL, Ho HN, Yang YS. Relationship between androgen levels and blood pressure in young women with polycystic ovary syndrome. *Hypertension.* 2007 Jun;49(6):1442-7. Available from: PubMed; PMID 17389259

Chen MJ, Yang WS, Chen CL, Wu MY, Yang YS, Ho HN. The relationship between anti-Mullerian hormone, androgen and insulin resistance on the number of antral follicles in women with polycystic ovary syndrome. *Hum Reprod.* 2008 Apr;23(4):952-7. Available from: PubMed; PMID 18256110

Chen MJ, Chen HF, Chen SU, Ho HN, Yang YS, Yang WS. The relationship between follistatin and chronic low-grade inflammation in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Dec;92(6):2041-4. Available from: PubMed; PMID 19591997

Chen X, Ni R, Mo Y, Li L, Yang D. Appropriate BMI levels for PCOS patients in Southern China. *Hum Reprod.* 2010 May;25(5):1295-302. Available from: PubMed; PMID 20172872

Cheung LP, Ma RC, Lam PM, Lok IH, Haines CJ, So WY, Tong PC, Cockram CS, Chow CC, Goggins WB. Cardiovascular risks and metabolic syndrome in Hong

Kong Chinese women with polycystic ovary syndrome. *Hum Reprod.* 2008 Jun;23(6):1431-8. Available from: PubMed; PMID 18359783

Cheung AP. Polycystic ovary syndrome: a contemporary view. *J Obstet Gynaecol Can.* 2010 May;32(5):423-5, 6-8. Available from: PubMed; PMID 20500948

Cho LW, Atkin SL. Cardiovascular risk in women with polycystic ovary syndrome. *Minerva Endocrinol.* 2007 Dec;32(4):263-73. Available from: PubMed; PMID 18091663

Cho LW, Randevara HS, Atkin SL. Cardiometabolic aspects of polycystic ovarian syndrome. *Vasc Health Risk Manag.* 2007;3(1):55-63. Available from: PubMed; PMID 17583175

Cho LW, Jayagopal V, Kilpatrick ES, Atkin SL. The mean and the biological variation of insulin resistance does not differ between polycystic ovary syndrome and type 2 diabetes. *Ann Clin Biochem.* 2009 May;46(Pt 3):218-21. Available from: PubMed; PMID 19389885

Cho LW, Kilpatrick ES, Keevil BG, Coady AM, Atkin SL. Effect of metformin, orlistat and pioglitazone treatment on mean insulin resistance and its biological variability in polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2009 Feb;70(2):233-7. Available from: PubMed; PMID 18547343

Cho LW, Kilpatrick ES, Keevil BG, Jayagopal V, Coady AM, Rigby AS, Atkin SL. Insulin resistance variability in women with anovulatory and ovulatory polycystic ovary syndrome, and normal controls. *Horm Metab Res.* 2011 Feb;43(2):141-5. Available from: PubMed; PMID 21234853

Christakou CD, Diamanti-Kandarakis E. Role of androgen excess on metabolic aberrations and cardiovascular risk in women with polycystic ovary syndrome. *Womens Health (Lond Engl).* 2008 Nov;4(6):583-94. Available from: PubMed; PMID 19072461

Christakou C, Economou F, Livadas S, Piperi C, Adamopoulos C, Marinakis E, Jdiamanti-Kandarakis E. Strong and positive association of endothelin-1 with AGEs in PCOS: a causal relationship or a bystander? *Hormones (Athens).* 2011 Oct-Dec;10(4):292-7. Available from: PubMed; PMID 22281885

Christian RC, Dumesic DA, Behrenbeck T, Oberg AL, Sheedy PF, 2nd, Fitzpatrick LA. Prevalence and predictors of coronary artery calcification in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Jun;88(6):2562-8. Available from: PubMed; PMID 12788855

Chu Y, Cui Q, Feng G, Song Z, Jiang X. The expression of resistin in adipose tissues of patients with polycystic ovary syndrome and insulin resistance. *J Huazhong Univ Sci*

Technol Med Sci. 2009 Oct;29(5):642-5. Available from: PubMed; PMID 19821101

Chun-Sen H, Chien-Hua W, Wan-Chun C, Ching-Tzu L, Chun-Jen C, Ming IH. Obesity and insulin resistance in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 May;27(5):300-6. Available from: PubMed; PMID 20500115

Ciaraldi TP, Aroda V, Mudaliar S, Chang RJ, Henry RR. Polycystic ovary syndrome is associated with tissue-specific differences in insulin resistance. *J Clin Endocrinol Metab*. 2009 Jan;94(1):157-63. Available from: PubMed; PMID 18854391

Cibula D, Cifkova R, Fanta M, Poledne R, Zivny J, Skibova J. Increased risk of non-insulin dependent diabetes mellitus, arterial hypertension and coronary artery disease in perimenopausal women with a history of the polycystic ovary syndrome. *Hum Reprod*. 2000 Apr;15(4):785-9. Available from: PubMed; PMID 10739820

Cibula D. Is insulin resistance an essential component of PCOS?: The influence of confounding factors. *Hum Reprod*. 2004 Apr;19(4):757-9. Available from: PubMed; PMID 15033943

Cibula D, Fanta M, Vrbikova J, Stanicka S, Dvorakova K, Hill M, Skrha J, Zivny J, Skrenkova J. The effect of combination therapy with metformin and combined oral contraceptives (COC) versus COC alone on insulin sensitivity, hyperandrogenaemia, SHBG and lipids in PCOS patients. *Hum Reprod*. 2005 Jan;20(1):180-4. Available from: PubMed; PMID 15576394

Cinar N, Kizilarlanoglu MC, Harmanci A, Aksoy DY, Bozdogan G, Demir B, Yildiz BO. Depression, anxiety and cardiometabolic risk in polycystic ovary syndrome. *Hum Reprod*. 2011 Dec;26(12):3339-45. Available from: PubMed; PMID 21984577

Cittadini E. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):e57; author reply e8. Available from: PubMed; PMID 21514580

Coffey S, Bano G, Mason HD. Health-related quality of life in women with polycystic ovary syndrome: a comparison with the general population using the Polycystic Ovary Syndrome Questionnaire (PCOSQ) and the Short Form-36 (SF-36). *Gynecol Endocrinol*. 2006 Feb;22(2):80-6. Available from: PubMed; PMID 16603432

Coksuer H, Koplay M, Oghan F, Haliloglu B, Keskin N. Evaluation of carotid wall thickness and vertebro-basilar system insufficiency in patients with obese polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2011 Aug;37(8):997-1003. Available from: PubMed; PMID 21463430

Comerford KB, Almario RU, Kim K, Karakas SE. Lean mass and insulin resistance in women with polycystic ovary syndrome. *Metabolism*. 2012 Sep;61(9):1256-60. Available from: PubMed; PMID 22424820

Coney P, Ladson G, Sweet S, Legro RS. Does polycystic ovary syndrome increase the disparity in metabolic syndrome and cardiovascular-related health for African-American women? *Semin Reprod Med*. 2008 Jan;26(1):35-8. Available from: PubMed; PMID 18181080

Connor EL. Adolescent polycystic ovary syndrome. *Adolesc Med State Art Rev*. 2012 Apr;23(1):164-77, xii. Available from: PubMed; PMID 22764561

Corbett SJ, McMichael AJ, Prentice AM. Type 2 diabetes, cardiovascular disease, and the evolutionary paradox of the polycystic ovary syndrome: a fertility first hypothesis. *Am J Hum Biol*. 2009 Sep-Oct;21(5):587-98. Available from: PubMed; PMID 19533615

Corbould A, Kim YB, Youngren JF, Pender C, Kahn BB, Lee A, Dunaif A. Insulin resistance in the skeletal muscle of women with PCOS involves intrinsic and acquired defects in insulin signaling. *Am J Physiol Endocrinol Metab*. 2005 May;288(5):E1047-54. Available from: PubMed; PMID 15613682

Corbould A. Insulin resistance in skeletal muscle and adipose tissue in polycystic ovary syndrome: are the molecular mechanisms distinct from type 2 diabetes? *Panminerva Med*. 2008 Dec;50(4):279-94. Available from: PubMed; PMID 19078869

Corton M, Botella-Carretero JI, Benguria A, Villuendas G, Zaballos A, San Millan JL, Escobar-Morreale HF, Peral B. Differential gene expression profile in omental adipose tissue in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jan;92(1):328-37. Available from: PubMed; PMID 17062763

Cosar E, Cosar M, Koken G, Sahin FK, Caliskan G, Haktanir A, Eser O, Yaman M, Yilmazer M. Polycystic ovary syndrome is related to idiopathic intracranial hypertension according to magnetic resonance imaging and magnetic resonance venography. *Fertil Steril*. 2008 May;89(5):1245-6. Available from: PubMed; PMID 18054923

Costa LO, dos Santos MP, Oliveira M, Viana A. Low-grade chronic inflammation is not accompanied by structural arterial injury in polycystic ovary syndrome. *Diabetes Res Clin Pract*. 2008 Aug;81(2):179-83. Available from: PubMed; PMID 18499295

Costa EC, Sa JC, Soares EM, Lemos TM, Maranhao TM, Azevedo GD. Anthropometric indices of central obesity how discriminators of metabolic syndrome in Brazilian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Jan;28(1):12-5. Available from: PubMed; PMID 21958393

- Costello M, Shrestha B, Eden J, Sjoblom P, Johnson N. Insulin-sensitising drugs versus the combined oral contraceptive pill for hirsutism, acne and risk of diabetes, cardiovascular disease, and endometrial cancer in polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2007 (1):CD005552. Available from: PubMed; PMID 17253562
- Costello MF, Shrestha B, Eden J, Johnson NP, Sjoblom P. Metformin versus oral contraceptive pill in polycystic ovary syndrome: a Cochrane review. *Hum Reprod.* 2007 May;22(5):1200-9. Available from: PubMed; PMID 17261574
- Coviello AD, Legro RS, Dunaif A. Adolescent girls with polycystic ovary syndrome have an increased risk of the metabolic syndrome associated with increasing androgen levels independent of obesity and insulin resistance. *J Clin Endocrinol Metab.* 2006 Feb;91(2):492-7. Available from: PubMed; PMID 16249280
- Coviello AD, Sam S, Legro RS, Dunaif A. High prevalence of metabolic syndrome in first-degree male relatives of women with polycystic ovary syndrome is related to high rates of obesity. *J Clin Endocrinol Metab.* 2009 Nov;94(11):4361-6. Available from: PubMed; PMID 19837913
- Creatas G, Deligeoroglou E. Polycystic ovarian syndrome in adolescents. *Curr Opin Obstet Gynecol.* 2007 Oct;19(5):420-6. Available from: PubMed; PMID 17885456
- Cresswell J, Fraser R, Bruce C, Egger P, Phillips D, Barker DJ. Relationship between polycystic ovaries, body mass index and insulin resistance. *Acta Obstet Gynecol Scand.* 2003 Jan;82(1):61-4. Available from: PubMed; PMID 12580842
- Crisosto N, Echiburua B, Maliqueo M, Perez V, Ladron de Guevara A, Preisler J, Sanchez F, Sir-Petermann T. Improvement of hyperandrogenism and hyperinsulinemia during pregnancy in women with polycystic ovary syndrome: possible effect in the ovarian follicular mass of their daughters. *Fertil Steril.* 2012 Jan;97(1):218-24. Available from: PubMed; PMID 22088206
- Cupisti S, Dittrich R, Binder H, Kajaia N, Hoffmann I, Maltaris T, Beckmann MW, Mueller A. Influence of body mass index on measured and calculated androgen parameters in adult women with hirsutism and PCOS. *Exp Clin Endocrinol Diabetes.* 2007 Jun;115(6):380-6. Available from: PubMed; PMID 17701884
- Cupisti S, Giltay EJ, Gooren LJ, Kronawitter D, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The impact of testosterone administration to female-to-male transsexuals on insulin resistance and lipid parameters compared with women with polycystic ovary syndrome. *Fertil Steril.* 2010 Dec;94(7):2647-53. Available from: PubMed; PMID 20451188
- Cupisti S, Haberle L, Dittrich R, Oppelt PG, Reissmann C, Kronawitter D, Beckmann MW, Mueller A. Smoking is associated with increased free testosterone and fasting insulin levels in women with polycystic ovary syndrome, resulting in aggravated insulin resistance. *Fertil Steril.* 2010 Jul;94(2):673-7. Available from: PubMed; PMID 19394003
- Cupisti S, Haeberle L, Schell C, Richter H, Schulze C, Hildebrandt T, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The different phenotypes of polycystic ovary syndrome: no advantages for identifying women with aggravated insulin resistance or impaired lipids. *Exp Clin Endocrinol Diabetes.* 2011 Sep;119(8):502-8. Available from: PubMed; PMID 21553368
- Cussons AJ, Stuckey BG, Watts GF. Cardiovascular disease in the polycystic ovary syndrome: new insights and perspectives. *Atherosclerosis.* 2006 Apr;185(2):227-39. Available from: PubMed; PMID 16313910
- Cussons AJ, Stuckey BG, Watts GF. Metabolic syndrome and cardiometabolic risk in PCOS. *Curr Diab Rep.* 2007 Feb;7(1):66-73. Available from: PubMed; PMID 17254520
- Cussons AJ, Watts GF, Burke V, Shaw JE, Zimmet PZ, Stuckey BG. Cardiometabolic risk in polycystic ovary syndrome: a comparison of different approaches to defining the metabolic syndrome. *Hum Reprod.* 2008 Oct;23(10):2352-8. Available from: PubMed; PMID 18635531
- Dagre A, Lekakis J, Mihas C, Protogerou A, Thalassinou L, Tryfonopoulos D, Douridas G, Papamichael C, Alevizaki M. Association of dehydroepiandrosterone-sulfate with endothelial function in young women with polycystic ovary syndrome. *Eur J Endocrinol.* 2006 Jun;154(6):883-90. Available from: PubMed; PMID 16728549
- Dahan MH, Goldstein J. Serum sex hormone-binding globulin levels show too much variability to be used effectively as a screening marker for insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Oct;86(4):934-41. Available from: PubMed; PMID 17027360
- Dale PO, Tanbo T, Ertzeid G, Bjerve S, Oldereid N, Fedorcsak P, Abyholm T. The impact of insulin resistance on the outcome of laparoscopic ovarian electrocautery in infertile women with the polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Oct;19(4):182-9. Available from: PubMed; PMID 15724800
- Daneshmand S, Weitsman SR, Navab A, Jakimiuk AJ, Magoffin DA. Overexpression of theca-cell messenger RNA in polycystic ovary syndrome does not correlate with polymorphisms in the cholesterol side-chain cleavage and 17alpha-hydroxylase/C(17-20) lyase promoters. *Fertil Steril.* 2002 Feb;77(2):274-80. Available from: PubMed; PMID 11821083
- Daskalopoulos GN, Karkanaki A, Karagiannis A, Mikhailidis DP, Athyros VG. Is the risk for cardiovascular



disease increased in all phenotypes of the polycystic ovary syndrome? *Angiology*. 2011 May;62(4):285-90. Available from: PubMed; PMID 21474465

de Groot PC, Dekkers OM, Romijn JA, Dieben SW, Helmerhorst FM. PCOS, coronary heart disease, stroke and the influence of obesity: a systematic review and meta-analysis. *Hum Reprod Update*. 2011 Jul-Aug;17(4):495-500. Available from: PubMed; PMID 21335359

de Leo V, la Marca A, Morgante G, Ciotta L, Mencaglia L, Cianci A, Petraglia F. Clomiphene citrate increases insulin-like growth factor binding protein-1 and reduces insulin-like growth factor-I without correcting insulin resistance associated with polycystic ovarian syndrome. *Hum Reprod*. 2000 Nov;15(11):2302-5. Available from: PubMed; PMID 11056123

De Leo V, Musacchio MC, Morgante G, La Marca A, Petraglia F. Polycystic ovary syndrome and type 2 diabetes mellitus. *Minerva Ginecol*. 2004 Feb;56(1):53-62. Available from: PubMed; PMID 14973410

De Leo V, Musacchio MC, Palermo V, Di Sabatino A, Morgante G, Petraglia F. Polycystic ovary syndrome and metabolic comorbidities: therapeutic options. *Drugs Today (Barc)*. 2009 Oct;45(10):763-75. Available from: PubMed; PMID 20069140

De Leo V, Musacchio MC, Piomboni P, Di Sabatino A, Morgante G. The administration of metformin during pregnancy reduces polycystic ovary syndrome related gestational complications. *Eur J Obstet Gynecol Reprod Biol*. 2011 Jul;157(1):63-6. Available from: PubMed; PMID 21530058

de Paula Martins W, Santana LF, Natri CO, Ferriani FA, de Sa MF, Dos Reis RM. Agreement among insulin sensitivity indexes on the diagnosis of insulin resistance in polycystic ovary syndrome and ovulatory women. *Eur J Obstet Gynecol Reprod Biol*. 2007 Aug;133(2):203-7. Available from: PubMed; PMID 17207902

de Sa JC, Costa EC, da Silva E, Zuttin RS, da Silva EP, Lemos TM, De Azevedo GD. Analysis of heart rate variability in polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Jun;27(6):443-7. Available from: PubMed; PMID 20645891

de Sousa G, Schluter B, Menke T, Trowitzsch E, Andler W, Reinehr T. A comparison of polysomnographic variables between adolescents with polycystic ovarian syndrome with and without the metabolic syndrome. *Metab Syndr Relat Disord*. 2011 Jun;9(3):191-6. Available from: PubMed; PMID 21352077

de Sousa G, Schluter B, Buschatz D, Menke T, Trowitzsch E, Andler W, Reinehr T. The impact of insulin resistance and hyperandrogenemia on polysomnographic variables in obese adolescents with polycystic ovarian syndrome. *Sleep Breath*. 2012 Mar;16(1):169-75. Available from: PubMed; PMID 21221823

Dean HJ, Sellers EA. Type 2 diabetes, polycystic ovary syndrome and the insulin resistance syndrome in adolescents: Are they one big iceberg? *Paediatr Child Health*. 2002 May;7(5):333-6. Available from: PubMed; PMID 20046314

Demir B, Pasa S, Demir S, Buyukkaya R, Atay AE, Atamer Y, Gul T. Morphologic and functional vascular alterations in patients with polycystic ovary syndrome. *Clin Exp Obstet Gynecol*. 2011;38(4):401-4. Available from: PubMed; PMID 22268285

Demirci H, Yilmaz M, Ergun MA, Yurtcu E, Bukan N, Ayvaz G. Frequency of adiponectin gene polymorphisms in polycystic ovary syndrome and the association with serum adiponectin, androgen levels, insulin resistance and clinical parameters. *Gynecol Endocrinol*. 2010 May;26(5):348-55. Available from: PubMed; PMID 20388053

Demirel F, Bideci A, Cinaz P, Camurdan MO, Biberoglu G, Yesilkaya E, Hasanoglu A. Serum leptin, oxidized low density lipoprotein and plasma asymmetric dimethylarginine levels and their relationship with dyslipidaemia in adolescent girls with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Jul;67(1):129-34. Available from: PubMed; PMID 17465999

Dereli D, Ozgen G, Buyukkececi F, Guney E, Yilmaz C. Platelet dysfunction in lean women with polycystic ovary syndrome and association with insulin sensitivity. *J Clin Endocrinol Metab*. 2003 May;88(5):2263-8. Available from: PubMed; PMID 12727984

DeUgarte CM, Bartolucci AA, Azziz R. Prevalence of insulin resistance in the polycystic ovary syndrome using the homeostasis model assessment. *Fertil Steril*. 2005 May;83(5):1454-60. Available from: PubMed; PMID 15866584

Dewailly D, Contestin M, Gallo C, Catteau-Jonard S. Metabolic syndrome in young women with the polycystic ovary syndrome: revisiting the threshold for an abnormally decreased high-density lipoprotein cholesterol serum level. *BJOG*. 2010 Jan;117(2):175-80. Available from: PubMed; PMID 19832825

Dhindsa G, Bhatia R, Dhindsa M, Bhatia V. Insulin resistance, insulin sensitization and inflammation in polycystic ovarian syndrome. *J Postgrad Med*. 2004 Apr-Jun;50(2):140-4. Available from: PubMed; PMID 15235215

Diamanti-Kandarakis E, Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Nestler JE. A modern medical quandary: polycystic ovary syndrome, insulin resistance, and oral contraceptive pills. *J Clin Endocrinol Metab*. 2003 May;88(5):1927-32. Available from: PubMed; PMID 12727935

Diamanti-Kandarakis E, Alexandraki K, Bergiele A, Kandarakis H, Mastorakos G, Aessopos A. Presence of

metabolic risk factors in non-obese PCOS sisters: evidence of heritability of insulin resistance. *J Endocrinol Invest*. 2004 Nov;27(10):931-6. Available from: PubMed; PMID 15762040

Diamanti-Kandarakis E, Kouli C, Alexandraki K, Spina G. Failure of mathematical indices to accurately assess insulin resistance in lean, overweight, or obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Mar;89(3):1273-6. Available from: PubMed; PMID 15001622

Diamanti-Kandarakis E, Piperi C, Kalofoutis A, Creasas G. Increased levels of serum advanced glycation end-products in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2005 Jan;62(1):37-43. Available from: PubMed; PMID 15638868

Diamanti-Kandarakis E. Insulin resistance in PCOS. *Endocrine*. 2006 Aug;30(1):13-7. Available from: PubMed; PMID 17185787

Diamanti-Kandarakis E, Alexandraki K, Piperi C, Protogerou A, Katsikis I, Paterakis T, Lekakis J, Panidis D. Inflammatory and endothelial markers in women with polycystic ovary syndrome. *Eur J Clin Invest*. 2006 Oct;36(10):691-7. Available from: PubMed; PMID 16968464

Diamanti-Kandarakis E, Economou F. Stress in women: metabolic syndrome and polycystic ovary syndrome. *Ann N Y Acad Sci*. 2006 Nov;1083:54-62. Available from: PubMed; PMID 17148733

Diamanti-Kandarakis E, Papavassiliou AG. Molecular mechanisms of insulin resistance in polycystic ovary syndrome. *Trends Mol Med*. 2006 Jul;12(7):324-32. Available from: PubMed; PMID 16769248

Diamanti-Kandarakis E, Paterakis T, Alexandraki K, Piperi C, Aessopos A, Katsikis I, Katsilambros N, Kretsas G, Panidis D. Indices of low-grade chronic inflammation in polycystic ovary syndrome and the beneficial effect of metformin. *Hum Reprod*. 2006 Jun;21(6):1426-31. Available from: PubMed; PMID 16497699

Diamanti-Kandarakis E, Paterakis T, Kandarakis HA. Indices of low-grade inflammation in polycystic ovary syndrome. *Ann N Y Acad Sci*. 2006 Dec;1092:175-86. Available from: PubMed; PMID 17308143

Diamanti-Kandarakis E, Piperi C, Spina J, Argyrakopoulou G, Papanastasiou L, Bergiele A, Panidis D. Polycystic ovary syndrome: the influence of environmental and genetic factors. *Hormones (Athens)*. 2006 Jan-Mar;5(1):17-34. Available from: PubMed; PMID 16728382

Diamanti-Kandarakis E, Christakou C, Kandarakis H. Polycystic ovarian syndrome: the commonest cause of hyperandrogenemia in women as a risk factor for metabolic syndrome. *Minerva Endocrinol*. 2007 Mar;32(1):35-47. Available from: PubMed; PMID 17353865

Diamanti-Kandarakis E, Papavassiliou AG, Kandarakis SA, Chrousos GP. Pathophysiology and types of dyslipidemia in PCOS. *Trends Endocrinol Metab*. 2007 Sep;18(7):280-5. Available from: PubMed; PMID 17692530

Diamanti-Kandarakis E, Livadas S, Kandarakis SA, Margeli A, Papassotiriou I. Serum concentrations of atherogenic proteins neutrophil gelatinase-associated lipocalin and its complex with matrix metalloproteinase-9 are significantly lower in women with polycystic ovary syndrome: hint of a protective mechanism? *Eur J Endocrinol*. 2008 Apr;158(4):525-31. Available from: PubMed; PMID 18362300

Diamanti-Kandarakis E, Kandaraki E, Christakou C, Panidis D. The effect of pharmaceutical intervention on lipid profile in polycystic ovary syndrome. *Obes Rev*. 2009 Jul;10(4):431-41. Available from: PubMed; PMID 19413702

Diamanti-Kandarakis E. PCOS in adolescents. *Best Pract Res Clin Obstet Gynaecol*. 2010 Apr;24(2):173-83. Available from: PubMed; PMID 19932060

Diamanti-Kandarakis E, Economou F, Palimeri S, Christakou C. Metformin in polycystic ovary syndrome. *Ann N Y Acad Sci*. 2010 Sep;1205:192-8. Available from: PubMed; PMID 20840272

Diamanti-Kandarakis E, Dunaif A. Insulin Resistance and the Polycystic Ovary Syndrome Revisited: An Update on Mechanisms and Implications. *Endocr Rev*. 2012 Oct 12. Available from: PubMed; PMID 23065822

Diamanti-Kandarakis E, Spritzer PM, Sir-Petermann T, Motta AB. Insulin resistance and polycystic ovary syndrome through life. *Curr Pharm Des*. 2012;18(34):5569-76. Available from: PubMed; PMID 22834924

Dickerson EH, Cho LW, Maguiness SD, Killick SL, Robinson J, Atkin SL. Insulin resistance and free androgen index correlate with the outcome of controlled ovarian hyperstimulation in non-PCOS women undergoing IVF. *Hum Reprod*. 2010 Feb;25(2):504-9. Available from: PubMed; PMID 19920068

Dilbaz B, Ozkaya E, Cinar M, Cakir E, Dilbaz S. Cardiovascular disease risk characteristics of the main polycystic ovary syndrome phenotypes. *Endocrine*. 2011 Jun;39(3):272-7. Available from: PubMed; PMID 21547513

Dittrich R, Kajaia N, Cupisti S, Hoffmann I, Beckmann MW, Mueller A. Association of thyroid-stimulating hormone with insulin resistance and androgen parameters in women with PCOS. *Reprod Biomed Online*. 2009 Sep;19(3):319-25. Available from: PubMed; PMID 19778476

Doi SA, Abbas JM, Parkinson L, Chakraborty J, Akanji AO. LDL species heterogeneity in the atherogenic

dyslipidemia of polycystic ovary syndrome. *Am J Clin Pathol.* 2008 May;129(5):802-10. Available from: PubMed; PMID 18426742

Dokras A, Bochner M, Hollinrake E, Markham S, Vanvoorhis B, Jagasia DH. Screening women with polycystic ovary syndrome for metabolic syndrome. *Obstet Gynecol.* 2005 Jul;106(1):131-7. Available from: PubMed; PMID 15994628

Dokras A, Jagasia DH, Maifeld M, Sinkey CA, VanVoorhis BJ, Haynes WG. Obesity and insulin resistance but not hyperandrogenism mediates vascular dysfunction in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Dec;86(6):1702-9. Available from: PubMed; PMID 17067587

Dokras A. Cardiovascular disease risk factors in polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):39-44. Available from: PubMed; PMID 18181081

Dravecka I, Lazurova I, Habalova V. The prevalence of Gly972Arg and C825T polymorphisms in Slovak women with polycystic ovary syndrome and their relation to the metabolic syndrome. *Gynecol Endocrinol.* 2010 May;26(5):356-60. Available from: PubMed; PMID 20170352

Ducluzeau PH, Cousin P, Malvoisin E, Bornet H, Vidal H, Laville M, Pugeat M. Glucose-to-insulin ratio rather than sex hormone-binding globulin and adiponectin levels is the best predictor of insulin resistance in nonobese women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Aug;88(8):3626-31. Available from: PubMed; PMID 12915646

Duleba AJ, Dokras A. Is PCOS an inflammatory process? *Fertil Steril.* 2012 Jan;97(1):7-12. Available from: PubMed; PMID 22192135

Dunaif A, Lobo RA. Toward optimal health: the experts discuss polycystic ovary syndrome. *J Womens Health Gen Based Med.* 2002 Sep;11(7):579-84. Available from: PubMed; PMID 12396891

Dunaif A. Insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S13-4. Available from: PubMed; PMID 16798274

Dursun P, Demirtas E, Bayrak A, Yarali H. Decreased serum paraoxonase 1 (PON1) activity: an additional risk factor for atherosclerotic heart disease in patients with PCOS? *Hum Reprod.* 2006 Jan;21(1):104-8. Available from: PubMed; PMID 16155079

Duskova M, Cermakova I, Hill M, Vankova M, Samalikova P, Starka L. What may be the markers of the male equivalent of polycystic ovary syndrome? *Physiol Res.* 2004;53(3):287-94. Available from: PubMed; PMID 15209536

Echiburu B, Perez-Bravo F, Maliqueo M, Sanchez F, Crisosto N, Sir-Petermann T. Polymorphism T --> C (-34 base pairs) of gene CYP17 promoter in women with polycystic ovary syndrome is associated with increased body weight and insulin resistance: a preliminary study. *Metabolism.* 2008 Dec;57(12):1765-71. Available from: PubMed; PMID 19013303

Economou F, Xyrafis X, Christakou C, Diamanti-Kandarakis E. The pluripotential effects of hypolipidemic treatment for polycystic ovary syndrome (PCOS): dyslipidemia, cardiovascular risk factors and beyond. *Curr Pharm Des.* 2011;17(9):908-21. Available from: PubMed; PMID 21418035

Ehrmann DA. Glucose intolerance in the polycystic ovary syndrome: role of the pancreatic beta-cell. *J Pediatr Endocrinol Metab.* 2000;13 Suppl 5:1299-301. Available from: PubMed; PMID 11117674

Ehrmann DA. Insulin resistance and polycystic ovary syndrome. *Curr Diab Rep.* 2002 Feb;2(1):71-6. Available from: PubMed; PMID 12643125

Ehrmann DA. Genetic contributions to glucose intolerance in polycystic ovary syndrome. *Reprod Biomed Online.* 2004 Jul;9(1):28-34. Available from: PubMed; PMID 15257813

Ehrmann DA. Polycystic ovary syndrome. *N Engl J Med.* 2005 Mar 24;352(12):1223-36. Available from: PubMed; PMID 15788499

Ehrmann DA, Liljenquist DR, Kasza K, Azziz R, Legro RS, Ghazzi MN. Prevalence and predictors of the metabolic syndrome in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 Jan;91(1):48-53. Available from: PubMed; PMID 16249284

Ehrmann DA. Metabolic dysfunction in pcpos: Relationship to obstructive sleep apnea. *Steroids.* 2012 Mar 10;77(4):290-4. Available from: PubMed; PMID 22178788

Ek I, Arner P, Ryden M, Holm C, Thorne A, Hoffstedt J, Wahrenberg H. A unique defect in the regulation of visceral fat cell lipolysis in the polycystic ovary syndrome as an early link to insulin resistance. *Diabetes.* 2002 Feb;51(2):484-92. Available from: PubMed; PMID 11812759

El Mkaem SA, Lautier C, Macari F, Molinari N, Lefebvre P, Renard E, Gris JC, Cros G, Daures JP, Bringer J, White MF, Grigorescu F. Role of allelic variants Gly972Arg of IRS-1 and Gly1057Asp of IRS-2 in moderate-to-severe insulin resistance of women with polycystic ovary syndrome. *Diabetes.* 2001 Sep;50(9):2164-8. Available from: PubMed; PMID 11522686

Elghblawi E. Polycystic ovary syndrome and female reproduction. *Br J Nurs.* 2007 Oct 11-24;16(18):1118-21. Available from: PubMed; PMID 18073681

- El-Mazny A, Abou-Salem N, El-Sherbiny W, El-Mazny A. Insulin resistance, dyslipidemia, and metabolic syndrome in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2010 Jun;109(3):239-41. Available from: PubMed; PMID 20199774
- Elting MW, Korsen TJ, Bezemer PD, Schoemaker J. Prevalence of diabetes mellitus, hypertension and cardiac complaints in a follow-up study of a Dutch PCOS population. *Hum Reprod.* 2001 Mar;16(3):556-60. Available from: PubMed; PMID 11228228
- Elting MW, Korsen TJ, Schoemaker J. Obesity, rather than menstrual cycle pattern or follicle cohort size, determines hyperinsulinaemia, dyslipidaemia and hypertension in ageing women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2001 Dec;55(6):767-76. Available from: PubMed; PMID 11895219
- Engin-Ustun Y, Ustun Y, Meydanli MM, Kafkasli A, Yetkin G. Are polycystic ovaries associated with cardiovascular disease risk as polycystic ovary syndrome? *Gynecol Endocrinol.* 2006 Jun;22(6):324-8. Available from: PubMed; PMID 16785157
- Erdogan M, Karadeniz M, Alper GE, Tamsel S, Uluer H, Caglayan O, Saygili F, Yilmaz C. Thrombin-activatable fibrinolysis inhibitor and cardiovascular risk factors in polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2008 Mar;116(3):143-7. Available from: PubMed; PMID 18350479
- Erdogan M, Karadeniz M, Berdeli A, Tamsel S, Yilmaz C. The relationship of the interleukin-6 -174 G>C gene polymorphism with cardiovascular risk factors in Turkish polycystic ovary syndrome patients. *Int J Immunogenet.* 2009 Oct;36(5):283-8. Available from: PubMed; PMID 19744034
- Erel CT, Senturk LM, Kaleli S, Gezer A, Baysal B, Tasan E. Is serum leptin level regulated by thyroid functions, lipid metabolism and insulin resistance in polycystic ovary syndrome? *Gynecol Endocrinol.* 2003 Jun;17(3):223-9. Available from: PubMed; PMID 12857430
- Eriksen M, Porneki AD, Skov V, Burns JS, Beck-Nielsen H, Glintborg D, Gaster M. Insulin resistance is not conserved in myotubes established from women with PCOS. *PLoS One.* 2010;5(12):e14469. Available from: PubMed; PMID 21209881
- Escobar-Morreale HF, Villuendas G, Botella-Carretero JJ, Sancho J, San Millan JL. Obesity, and not insulin resistance, is the major determinant of serum inflammatory cardiovascular risk markers in pre-menopausal women. *Diabetologia.* 2003 May;46(5):625-33. Available from: PubMed; PMID 12739017
- Escobar-Morreale HF, Botella-Carretero JJ, Villuendas G, Sancho J, San Millan JL. Serum interleukin-18 concentrations are increased in the polycystic ovary syndrome: relationship to insulin resistance and to obesity. *J Clin Endocrinol Metab.* 2004 Feb;89(2):806-11. Available from: PubMed; PMID 14764799
- Escobar-Morreale HF, Luque-Ramirez M, Gonzalez F. Circulating inflammatory markers in polycystic ovary syndrome: a systematic review and metaanalysis. *Fertil Steril.* 2011 Mar 1;95(3):1048-58 e1-2. Available from: PubMed; PMID 21168133
- Espinosa-Gomez JJ, Rodriguez-Espinosa J, Ordonez-Llanos J, Calaf-Alsina J. Metabolic syndrome in Mediterranean women with polycystic ovary syndrome: when and how to predict its onset. *Gynecol Endocrinol.* 2012 Apr;28(4):264-8. Available from: PubMed; PMID 21962027
- Essah PA, Nestler JE. Metabolic syndrome in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S18-9. Available from: PubMed; PMID 16798277
- Essah PA, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *J Endocrinol Invest.* 2006 Mar;29(3):270-80. Available from: PubMed; PMID 16682845
- Essah PA, Wickham EP, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):205-25. Available from: PubMed; PMID 17304037
- Essah PA, Nestler JE, Carmina E. Differences in dyslipidemia between American and Italian women with polycystic ovary syndrome. *J Endocrinol Invest.* 2008 Jan;31(1):35-41. Available from: PubMed; PMID 18296903
- Fan P, Liu HW, Wan DH, Li Y, Song Q, Bai H. Altered distribution of plasma platelet-activating factor acetylhydrolase between high-density lipoprotein and low-density lipoprotein in patients with polycystic ovary syndrome. *Fertil Steril.* 2009 Dec;92(6):2054-7. Available from: PubMed; PMID 19596311
- Farrell K, Antoni MH. Insulin resistance, obesity, inflammation, and depression in polycystic ovary syndrome: biobehavioral mechanisms and interventions. *Fertil Steril.* 2010 Oct;94(5):1565-74. Available from: PubMed; PMID 20471009
- Fausser BC, Bouchard P. Uncertainty remains in women with PCOS regarding the increased incidence of cardiovascular disease later in life, despite the indisputable presence of multiple cardiovascular risk factors at a young age. *J Clin Endocrinol Metab.* 2011 Dec;96(12):3675-7. Available from: PubMed; PMID 22143833
- Fausser BC, Tarlatzis BC, Rebar RW, Legro RS, Balen AH, Lobo R, Carmina E, Chang J, Yildiz BO, Laven JS, Boivin J, Petraglia F, Wijeyeratne CN, Norman RJ, Dunaif A, Franks S, Wild RA, Dumesic D, Barnhart K. Consensus on women's health aspects of polycystic ovary syndrome (PCOS): the Amsterdam ESHRE/ASRM-Sponsored 3rd PCOS Consensus Workshop Group. *Fertil Steril.* 2012

Jan;97(1):28-38 e25. Available from: PubMed; PMID 22153789

Fedorcsak P, Storeng R, Dale PO, Tanbo T, Abyholm T. Impaired insulin action on granulosa-lutein cells in women with polycystic ovary syndrome and insulin resistance. *Gynecol Endocrinol*. 2000 Oct;14(5):327-36. Available from: PubMed; PMID 11109972

Fedorcsak P, Dale PO, Storeng R, Tanbo T, Abyholm T. The impact of obesity and insulin resistance on the outcome of IVF or ICSI in women with polycystic ovarian syndrome. *Hum Reprod*. 2001 Jun;16(6):1086-91. Available from: PubMed; PMID 11387273

Fenkci V, Fenkci S, Yilmazer M, Serteser M. Decreased total antioxidant status and increased oxidative stress in women with polycystic ovary syndrome may contribute to the risk of cardiovascular disease. *Fertil Steril*. 2003 Jul;80(1):123-7. Available from: PubMed; PMID 12849813

Fenkci IV, Serteser M, Fenkci S, Kose S. Paraoxonase levels in women with polycystic ovary syndrome. *J Reprod Med*. 2007 Oct;52(10):879-83. Available from: PubMed; PMID 17977159

Fernandes AR, de Sa Rosa e Silva AC, Romao GS, Pata MC, dos Reis RM. Insulin resistance in adolescents with menstrual irregularities. *J Pediatr Adolesc Gynecol*. 2005 Aug;18(4):269-74. Available from: PubMed; PMID 16171731

Fica S, Albu A, Constantin M, Dobri GA. Insulin resistance and fertility in polycystic ovary syndrome. *J Med Life*. 2008 Oct-Dec;1(4):415-22. Available from: PubMed; PMID 20108521

Fleischman A, Mansfield J. Diagnosis and treatment of polycystic ovarian syndrome and insulin resistance. *Pediatr Ann*. 2005 Sep;34(9):733-8, 41-2. Available from: PubMed; PMID 16222950

Fleming R. The use of insulin sensitising agents in ovulation induction in women with polycystic ovary syndrome. *Hormones (Athens)*. 2006 Jul-Sep;5(3):171-8. Available from: PubMed; PMID 16950750

Foltyn W, Strzelczyk J, Marek B, Kajdaniuk D, Sieminska L, Zemczak A, Blicharz-Dorniak J, Kos-Kudla B. Selected markers of endothelial dysfunction in women with polycystic ovary syndrome. *Endokrynol Pol*. 2011;62(3):243-8. Available from: PubMed; PMID 21717407

Fornes R, Ormazabal P, Rosas C, Gabler F, Vantman D, Romero C, Vega M. Changes in the expression of insulin signaling pathway molecules in endometria from polycystic ovary syndrome women with or without hyperinsulinemia. *Mol Med*. 2010 Mar;16(3-4):129-36. Available from: PubMed; PMID 20011249

Franks S. Are women with polycystic ovary syndrome at increased risk of cardiovascular disease? Too early to be sure, but not too early to act! *Am J Med*. 2001 Dec 1;111(8):665-6. Available from: PubMed; PMID 11755513

Freeman R, Pollack R, Rosenbloom E. Assessing impaired glucose tolerance and insulin resistance in polycystic ovarian syndrome with a muffin test: an alternative to the glucose tolerance test. *Endocr Pract*. 2010 Sep-Oct;16(5):810-7. Available from: PubMed; PMID 20439247

Freemark M. Management of adolescents with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3354-6. Available from: PubMed; PMID 22058379

Fruzzetti F, Perini D, Lazzarini V, Parrini D, Genazzani AR. Hyperandrogenemia influences the prevalence of the metabolic syndrome abnormalities in adolescents with the polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 May;25(5):335-43. Available from: PubMed; PMID 19903040

Fruzzetti F, Perini D, Lazzarini V, Parrini D, Gambacciani M, Genazzani AR. Comparison of effects of 3 mg drospirenone plus 20 mug ethinyl estradiol alone or combined with metformin or cyproterone acetate on classic metabolic cardiovascular risk factors in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Oct;94(5):1793-8. Available from: PubMed; PMID 19931080

Fulghesu AM, Sanna F, Uda S, Magnini R, Portoghese E, Batetta B. IL-6 serum levels and production is related to an altered immune response in polycystic ovary syndrome girls with insulin resistance. *Mediators Inflamm*. 2011;2011:389317. Available from: PubMed; PMID 21547256

Futterweit W. Polycystic ovary syndrome: a common reproductive and metabolic disorder necessitating early recognition and treatment. *Prim Care*. 2007 Dec;34(4):761-89, vi. Available from: PubMed; PMID 18061817

Galluzzo A, Amato MC, Giordano C. Insulin resistance and polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis*. 2008 Sep;18(7):511-8. Available from: PubMed; PMID 18657405

Gambineri A, Pelusi C, Manicardi E, Vicennati V, Cacciari M, Morselli-Labate AM, Pagotto U, Pasquali R. Glucose intolerance in a large cohort of mediterranean women with polycystic ovary syndrome: phenotype and associated factors. *Diabetes*. 2004 Sep;53(9):2353-8. Available from: PubMed; PMID 15331545

Gambineri A, Semple RK, Forlani G, Genghini S, Grassi I, Hyden CS, Pagotto U, O'Rahilly S, Pasquali R. Monogenic polycystic ovary syndrome due to a mutation in the lamin A/C gene is sensitive to thiazolidinediones but not to

- metformin. *Eur J Endocrinol.* 2008 Sep;159(3):347-53. Available from: PubMed; PMID 18728124
- Gambineri A, Repaci A, Patton L, Grassi I, Pocognoli P, Cognigni GE, Pasqui F, Pagotto U, Pasquali R. Prominent role of low HDL-cholesterol in explaining the high prevalence of the metabolic syndrome in polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis.* 2009 Dec;19(11):797-804. Available from: PubMed; PMID 19359152
- Gambineri A, Tomassoni F, Munarini A, Stimson RH, Mioni R, Pagotto U, Chapman KE, Andrew R, Mantovani V, Pasquali R, Walker BR. A combination of polymorphisms in HSD11B1 associates with in vivo 11  $\beta$ -HSD1 activity and metabolic syndrome in women with and without polycystic ovary syndrome. *Eur J Endocrinol.* 2011 Aug;165(2):283-92. Available from: PubMed; PMID 21622477
- Gangale MF, Miele L, Lanzone A, Sagnella F, Martinez D, Tropea A, Moro F, Morciano A, Ciardulli A, Palla C, Pompili M, Cefalo C, Grieco A, Apa R. Long-term metformin treatment is able to reduce the prevalence of metabolic syndrome and its hepatic involvement in young hyperinsulinaemic overweight patients with polycystic ovarian syndrome. *Clin Endocrinol (Oxf).* 2011 Oct;75(4):520-7. Available from: PubMed; PMID 21569072
- Ganie MA, Laway BA, Wani TA, Zargar MA, Nisar S, Ahamed F, Khurana ML, Ahmed S. Association of subclinical hypothyroidism and phenotype, insulin resistance, and lipid parameters in young women with polycystic ovary syndrome. *Fertil Steril.* 2011 May;95(6):2039-43. Available from: PubMed; PMID 21333983
- Garruti G, Depalo R, Vita MG, Lorusso F, Giampetruzzi F, Damato AB, Giorgino F. Adipose tissue, metabolic syndrome and polycystic ovary syndrome: from pathophysiology to treatment. *Reprod Biomed Online.* 2009 Oct;19(4):552-63. Available from: PubMed; PMID 19909598
- Garry R. Is insulin resistance an essential component of PCOS?: The endometriosis syndromes: a clinical classification in the presence of aetiological confusion and therapeutic anarchy. *Hum Reprod.* 2004 Apr;19(4):760-8. Available from: PubMed; PMID 15033944
- Gateva A, Kamenov Z. Cardiovascular Risk Factors in Bulgarian Patients with Polycystic Ovary Syndrome and/or Obesity. *Obstet Gynecol Int.* 2012;2012:306347. Available from: PubMed; PMID 22262974
- Gen R, Akbay E, Muslu N, Sezer K, Cayan F. Plasma visfatin level in lean women with PCOS: relation to proinflammatory markers and insulin resistance. *Gynecol Endocrinol.* 2009 Apr;25(4):241-5. Available from: PubMed; PMID 19408173
- Genazzani AD, Lanzoni C, Ricchieri F, Baraldi E, Casarosa E, Jasonni VM. Metformin administration is more effective when non-obese patients with polycystic ovary syndrome show both hyperandrogenism and hyperinsulinemia. *Gynecol Endocrinol.* 2007 Mar;23(3):146-52. Available from: PubMed; PMID 17454168
- Genazzani AD, Lanzoni C, Ricchieri F, Jasonni VM. Myo-inositol administration positively affects hyperinsulinemia and hormonal parameters in overweight patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2008 Mar;24(3):139-44. Available from: PubMed; PMID 18335328
- Gennarelli G, Holte J, Berglund L, Berne C, Massobrio M, Lithell H. Prediction models for insulin resistance in the polycystic ovary syndrome. *Hum Reprod.* 2000 Oct;15(10):2098-102. Available from: PubMed; PMID 11006180
- Georgopoulos NA, Katsikis I, Florakis D, Panidis D, Kandarakis ED. Effect of sibutramine on weight reduction and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Jun;91(6):e1. Available from: PubMed; PMID 19362719
- Georgopoulos NA, Saltamavros AD, Vervita V, Karkoulas K, Adonakis G, Decavalas G, Kourounis G, Markou KB, Kyriazopoulou V. Basal metabolic rate is decreased in women with polycystic ovary syndrome and biochemical hyperandrogenemia and is associated with insulin resistance. *Fertil Steril.* 2009 Jul;92(1):250-5. Available from: PubMed; PMID 18678372
- Ghazeeri GS, Nassar AH, Younes Z, Awwad JT. Pregnancy outcomes and the effect of metformin treatment in women with polycystic ovary syndrome: an overview. *Acta Obstet Gynecol Scand.* 2012 Jun;91(6):658-78. Available from: PubMed; PMID 22375613
- Giallauria F, Orio F, Palomba S, Lombardi G, Colao A, Vigorito C. Cardiovascular risk in women with polycystic ovary syndrome. *J Cardiovasc Med (Hagerstown).* 2008 Oct;9(10):987-92. Available from: PubMed; PMID 18799960
- Giallauria F, Palomba S, Manguso F, Vitelli A, Maresca L, Tafuri D, Lombardi G, Colao A, Vigorito C, Orio F. Abnormal heart rate recovery after maximal cardiopulmonary exercise stress testing in young overweight women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2008 Jan;68(1):88-93. Available from: PubMed; PMID 17803701
- Giallauria F, Palomba S, Maresca L, Vuolo L, Tafuri D, Lombardi G, Colao A, Vigorito C, Francesco O. Exercise training improves autonomic function and inflammatory pattern in women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf).* 2008 Nov;69(5):792-8. Available from: PubMed; PMID 18505468

- Giallauria F, Orio F, Lombardi G, Colao A, Vigorito C, Tafuri MG, Palomba S. Relationship between heart rate recovery and inflammatory markers in patients with polycystic ovary syndrome: a cross-sectional study. *J Ovarian Res.* 2009;2:3. Available from: PubMed; PMID 19187547
- Giallauria F, Palomba S, De Sio I, Maresca L, Vuolo L, Savastano S, Lombardi G, Colao A, Vigorito C, Orio F. Inflammatory markers and visceral fat are inversely associated with maximal oxygen consumption in women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf).* 2009 Mar;70(3):394-400. Available from: PubMed; PMID 18616717
- Gillett MJ, Burnett JR, Yeap D. Clomiphene-associated combined hyperlipidemia: a case report. *J Reprod Med.* 2006 Jul;51(7):587-90. Available from: PubMed; PMID 16913553
- Glass KB, Czik MJ. Diagnosing insulin resistance--a clarification. *Fertil Steril.* 2005 Feb;83(2):521-2; author reply 2. Available from: PubMed; PMID 15705414
- Glintborg D, Andersen M, Hagen C, Frystyk J, Hulstrom V, Flyvbjerg A, Hermann AP. Evaluation of metabolic risk markers in polycystic ovary syndrome (PCOS). Adiponectin, ghrelin, leptin and body composition in hirsute PCOS patients and controls. *Eur J Endocrinol.* 2006 Aug;155(2):337-45. Available from: PubMed; PMID 16868149
- Glintborg D, Hojlund K, Andersen M, Henriksen JE, Beck-Nielsen H, Handberg A. Soluble CD36 and risk markers of insulin resistance and atherosclerosis are elevated in polycystic ovary syndrome and significantly reduced during pioglitazone treatment. *Diabetes Care.* 2008 Feb;31(2):328-34. Available from: PubMed; PMID 18000176
- Glintborg D, Andersen M, Richelsen B, Bruun JM. Plasma monocyte chemoattractant protein-1 (MCP-1) and macrophage inflammatory protein-1alpha are increased in patients with polycystic ovary syndrome (PCOS) and associated with adiposity, but unaffected by pioglitazone treatment. *Clin Endocrinol (Oxf).* 2009 Nov;71(5):652-8. Available from: PubMed; PMID 19170716
- Glintborg D, Andersen M. Thiazolidinedione treatment in PCOS--an update. *Gynecol Endocrinol.* 2010 Nov;26(11):791-803. Available from: PubMed; PMID 20528570
- Glintborg D, Andersen M. An update on the pathogenesis, inflammation, and metabolism in hirsutism and polycystic ovary syndrome. *Gynecol Endocrinol.* 2010 Apr;26(4):281-96. Available from: PubMed; PMID 20141388
- Glueck CJ, Iyengar S, Goldenberg N, Smith LS, Wang P. Idiopathic intracranial hypertension: associations with coagulation disorders and polycystic-ovary syndrome. *J Lab Clin Med.* 2003 Jul;142(1):35-45. Available from: PubMed; PMID 12878984
- Glueck CJ, Papanna R, Wang P, Goldenberg N, Sieve-Smith L. Incidence and treatment of metabolic syndrome in newly referred women with confirmed polycystic ovarian syndrome. *Metabolism.* 2003 Jul;52(7):908-15. Available from: PubMed; PMID 12870169
- Glueck CJ, Goldenberg N, Wang P, Loftspring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. *Hum Reprod.* 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944
- Glueck CJ, Aregawi D, Goldenberg N, Golnik KC, Sieve L, Wang P. Idiopathic intracranial hypertension, polycystic-ovary syndrome, and thrombophilia. *J Lab Clin Med.* 2005 Feb;145(2):72-82. Available from: PubMed; PMID 15746649
- Glueck CJ, Dharashivkar S, Wang P, Zhu B, Gartside PS, Tracy T, Sieve L. Obesity and extreme obesity, manifest by ages 20-24 years, continuing through 32-41 years in women, should alert physicians to the diagnostic likelihood of polycystic ovary syndrome as a reversible underlying endocrinopathy. *Eur J Obstet Gynecol Reprod Biol.* 2005 Oct 1;122(2):206-12. Available from: PubMed; PMID 16219521
- Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. *MedGenMed.* 2005;7(4):41. Available from: PubMed; PMID 16614663
- Glueck CJ, Aregawi D, Agloria M, Winiarska M, Sieve L, Wang P. Sustainability of 8% weight loss, reduction of insulin resistance, and amelioration of atherogenic-metabolic risk factors over 4 years by metformin-diet in women with polycystic ovary syndrome. *Metabolism.* 2006 Dec;55(12):1582-9. Available from: PubMed; PMID 17142128
- Glueck CJ, Aregawi D, Winiarska M, Agloria M, Luo G, Sieve L, Wang P. Metformin-diet ameliorates coronary heart disease risk factors and facilitates resumption of regular menses in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2006 Jun;19(6):831-42. Available from: PubMed; PMID 16886591
- Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Changes in weight, papilledema, headache, visual field, and life status in response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. *Transl Res.* 2006

Nov;148(5):215-22. Available from: PubMed; PMID 17145568

Glueck CJ, Morrison JA, Friedman LA, Goldenberg N, Stroop DM, Wang P. Obesity, free testosterone, and cardiovascular risk factors in adolescents with polycystic ovary syndrome and regularly cycling adolescents. *Metabolism*. 2006 Apr;55(4):508-14. Available from: PubMed; PMID 16546482

Glueck CJ, Goldenberg N, Sieve L, Wang P. An observational study of reduction of insulin resistance and prevention of development of type 2 diabetes mellitus in women with polycystic ovary syndrome treated with metformin and diet. *Metabolism*. 2008 Jul;57(7):954-60. Available from: PubMed; PMID 18555837

Glueck CJ, Morrison JA, Wang P. Insulin resistance, obesity, hypofibrinolysis, hyperandrogenism, and coronary heart disease risk factors in 25 pre-perimenarchal girls age < or =14 years, 13 with precocious puberty, 23 with a first-degree relative with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2008 Oct;21(10):973-84. Available from: PubMed; PMID 19209619

Glueck CJ, Goldenberg N, Wang P. Metformin-diet ameliorates coronary heart disease risk factors and facilitates resumption of regular menses in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2009 Sep;22(9):815-26. Available from: PubMed; PMID 19960891

Glueck CJ, Morrison JA, Goldenberg N, Wang P. Coronary heart disease risk factors in adult premenopausal white women with polycystic ovary syndrome compared with a healthy female population. *Metabolism*. 2009 May;58(5):714-21. Available from: PubMed; PMID 19375597

Glueck CJ, Morrison JA, Daniels S, Wang P, Stroop D. Sex hormone-binding globulin, oligomenorrhea, polycystic ovary syndrome, and childhood insulin at age 14 years predict metabolic syndrome and class III obesity at age 24 years. *J Pediatr*. 2011 Aug;159(2):308-13 e2. Available from: PubMed; PMID 21362574

Gode F, Karagoz C, Posaci C, Saatli B, Uysal D, Secil M, Akdeniz B. Alteration of cardiovascular risk parameters in women with polycystic ovary syndrome who were prescribed to ethinyl estradiol-cyproterone acetate. *Arch Gynecol Obstet*. 2011 Oct;284(4):923-9. Available from: PubMed; PMID 21140159

Godoy-Matos AF, Vaisman F, Pedrosa AP, Farias ML, Mendonca LM, Pinheiro MF. Central-to-peripheral fat ratio, but not peripheral body fat, is related to insulin resistance and androgen markers in polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Dec;25(12):793-8. Available from: PubMed; PMID 19905998

Gokcel A, Bagis T, Zeyneloglu HB. Polycystic ovarian syndrome and insulin resistance in white and Mexican

American women. *Am J Obstet Gynecol*. 2003 Jun;188(6):1661; author reply -2. Available from: PubMed; PMID 12825010

Golbahar J, Al-Ayadhi M, Das NM, Gumaa K. Sensitive and specific markers for insulin resistance, hyperandrogenemia, and inappropriate gonadotrophin secretion in women with polycystic ovary syndrome: a case-control study from Bahrain. *Int J Womens Health*. 2012;4:201-6. Available from: PubMed; PMID 22654525

Goldenberg N, Glueck CJ, Loftspring M, Sherman A, Wang P. Metformin-diet benefits in women with polycystic ovary syndrome in the bottom and top quintiles for insulin resistance. *Metabolism*. 2005 Jan;54(1):113-21. Available from: PubMed; PMID 15562389

Gonzalez A, Saez ME, Aragon MJ, Galan JJ, Vettori P, Molina L, Rubio C, Real LM, Ruiz A, Ramirez-Lorca R. Specific haplotypes of the CALPAIN-5 gene are associated with polycystic ovary syndrome. *Hum Reprod*. 2006 Apr;21(4):943-51. Available from: PubMed; PMID 16396936

Gonzalez F, Rote NS, Minium J, Kirwan JP. In vitro evidence that hyperglycemia stimulates tumor necrosis factor-alpha release in obese women with polycystic ovary syndrome. *J Endocrinol*. 2006 Mar;188(3):521-9. Available from: PubMed; PMID 16522732

Gonzalez F, Rote NS, Minium J, Kirwan JP. Increased activation of nuclear factor kappaB triggers inflammation and insulin resistance in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Apr;91(4):1508-12. Available from: PubMed; PMID 16464947

Gonzalez F, Rote NS, Minium J, Kirwan JP. Reactive oxygen species-induced oxidative stress in the development of insulin resistance and hyperandrogenism in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Jan;91(1):336-40. Available from: PubMed; PMID 16249279

Gonzalez F, Rote NS, Minium J, Kirwan JP. Evidence of proatherogenic inflammation in polycystic ovary syndrome. *Metabolism*. 2009 Jul;58(7):954-62. Available from: PubMed; PMID 19375763

Gonzalez F. Inflammation in Polycystic Ovary Syndrome: underpinning of insulin resistance and ovarian dysfunction. *Steroids*. 2012 Mar 10;77(4):300-5. Available from: PubMed; PMID 22178787

Gonzalez F, Sia CL, Shepard MK, Rote NS, Minium J. Inflammation in response to glucose ingestion is independent of excess abdominal adiposity in normal-weight women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2012 Nov;97(11):4071-9. Available from: PubMed; PMID 22904174

Gonzalez F, Sia CL, Stanczyk FZ, Blair HE, Krupa ME. Hyperandrogenism exerts an anti-inflammatory effect in



- obese women with polycystic ovary syndrome. *Endocrine*. 2012 Jul 1. Available from: PubMed; PMID 22752961
- Goodarzi MO, Erickson S, Port SC, Jennrich RI, Korenman SG. Relative impact of insulin resistance and obesity on cardiovascular risk factors in polycystic ovary syndrome. *Metabolism*. 2003 Jun;52(6):713-9. Available from: PubMed; PMID 12800096
- Goodarzi MO, Korenman SG. The importance of insulin resistance in polycystic ovary syndrome. *Fertil Steril*. 2003 Aug;80(2):255-8. Available from: PubMed; PMID 12909480
- Goodarzi MO, Quinones MJ, Azziz R, Rotter JI, Hsueh WA, Yang H. Polycystic ovary syndrome in Mexican-Americans: prevalence and association with the severity of insulin resistance. *Fertil Steril*. 2005 Sep;84(3):766-9. Available from: PubMed; PMID 16169421
- Gottschalk ME. Adolescents, polycystic ovary syndrome, and insulin resistance syndrome. *Endocr Pract*. 2003 Sep-Oct;9 Suppl 2:81-5. Available from: PubMed; PMID 14698982
- Goverde AJ, van Koert AJ, Eijkemans MJ, Knauff EA, Westerveld HE, Fauser BC, Broekmans FJ. Indicators for metabolic disturbances in anovulatory women with polycystic ovary syndrome diagnosed according to the Rotterdam consensus criteria. *Hum Reprod*. 2009 Mar;24(3):710-7. Available from: PubMed; PMID 19095675
- Grodnitskaya EE, Kurtser MA. Homocysteine metabolism in polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Mar;28(3):186-9. Available from: PubMed; PMID 21793705
- Gulcelik NE, Aral Y, Serter R, Demir Y, Culha C. Adiponectin is an independent determinant of insulin resistance in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2006 Sep;22(9):511-5. Available from: PubMed; PMID 17071536
- Gulcelik NE, Aral Y, Serter R, Koc G. Association of hypoadiponectinemia with metabolic syndrome in patients with polycystic ovary syndrome. *J Natl Med Assoc*. 2008 Jan;100(1):64-8. Available from: PubMed; PMID 18277810
- Gunebakmaz O, Kaya MG, Duran M. PCOS must be kept in mind in young females especially those without traditional risk factors but suffered from coronary events. *Int J Cardiol*. 2012 Sep 17. Available from: PubMed; PMID 22995419
- Guo M, Chen ZJ, Macklon NS, Shi YH, Westerveld HE, Eijkemans MJ, Fauser BC, Goverde AJ. Cardiovascular and metabolic characteristics of infertile Chinese women with PCOS diagnosed according to the Rotterdam consensus criteria. *Reprod Biomed Online*. 2010 Oct;21(4):572-80. Available from: PubMed; PMID 20800551
- Guven S, Karahan SC, Bayram C, Ucar U, Ozeren M. Elevated concentrations of serum ischaemia-modified albumin in PCOS, a novel ischaemia marker of coronary artery disease. *Reprod Biomed Online*. 2009 Oct;19(4):493-500. Available from: PubMed; PMID 19909589
- Guzelmeric K, Alkan N, Pirimoglu M, Unal O, Turan C. Chronic inflammation and elevated homocysteine levels are associated with increased body mass index in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2007 Sep;23(9):505-10. Available from: PubMed; PMID 17852421
- Guzick DS. Cardiovascular risk in PCOS. *J Clin Endocrinol Metab*. 2004 Aug;89(8):3694-5. Available from: PubMed; PMID 15292290
- Guzick DS. Do cardiovascular risk factors in polycystic ovarian syndrome result in more cardiovascular events? *J Clin Endocrinol Metab*. 2008 Apr;93(4):1170-1. Available from: PubMed; PMID 18390812
- Haakova L, Cibula D, Rezabek K, Hill M, Fanta M, Zivny J. Pregnancy outcome in women with PCOS and in controls matched by age and weight. *Hum Reprod*. 2003 Jul;18(7):1438-41. Available from: PubMed; PMID 12832369
- Hacihanefioglu B, Seyisoglu H, Karsidag K, Elter K, Aksu F, Yilmaz T, Gurol AO. Influence of insulin resistance on total renin level in normotensive women with polycystic ovary syndrome. *Fertil Steril*. 2000 Feb;73(2):261-5. Available from: PubMed; PMID 10685525
- Hacihanefioglu B, Somunkiran A, Mahmutoglu I, Sercelik A, Toptani S, Kervancioglu E. Effect of hypertension therapy with the angiotensin-converting enzyme inhibitor lisinopril on hyperandrogenism in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Mar;77(3):526-8. Available from: PubMed; PMID 11872207
- Hahn S, Tan S, Elsenbruch S, Quadbeck B, Herrmann BL, Mann K, Janssen OE. Clinical and biochemical characterization of women with polycystic ovary syndrome in North Rhine-Westphalia. *Horm Metab Res*. 2005 Jul;37(7):438-44. Available from: PubMed; PMID 16034717
- Hahn S, Frey UH, Siffert W, Tan S, Mann K, Janssen OE. The CC genotype of the GNAS T393C polymorphism is associated with obesity and insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Nov;155(5):763-70. Available from: PubMed; PMID 17062894
- Hahn S, Haselhorst U, Tan S, Quadbeck B, Schmidt M, Roesler S, Kimmig R, Mann K, Janssen OE. Low serum 25-hydroxyvitamin D concentrations are associated with

insulin resistance and obesity in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2006 Nov;14(10):577-83. Available from: PubMed; PMID 17177140

Hahn S, Tan S, Sack S, Kimmig R, Quadbeck B, Mann K, Janssen OE. Prevalence of the metabolic syndrome in German women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2007 Feb;115(2):130-5. Available from: PubMed; PMID 17318774

Halperin IJ, Kumar SS, Stroup DF, Laredo SE. The association between the combined oral contraceptive pill and insulin resistance, dysglycemia and dyslipidemia in women with polycystic ovary syndrome: a systematic review and meta-analysis of observational studies. *Hum Reprod*. 2011 Jan;26(1):191-201. Available from: PubMed; PMID 21059754

Hara M, Alcoser SY, Qadir A, Beiswenger KK, Cox NJ, Ehrmann DA. Insulin resistance is attenuated in women with polycystic ovary syndrome with the Pro(12)Ala polymorphism in the PPARgamma gene. *J Clin Endocrinol Metab*. 2002 Feb;87(2):772-5. Available from: PubMed; PMID 11836319

Hara S, Takahashi T, Amita M, Igarashi H, Kurachi H. Usefulness of bezafibrate for ovulation induction in clomiphene citrate-resistant polycystic ovary syndrome patients with dyslipidemia: a prospective pilot study of seven cases. *Gynecol Obstet Invest*. 2010;70(3):166-72. Available from: PubMed; PMID 20558990

Harborne L, Fleming R, Lyall H, Norman J, Sattar N. Descriptive review of the evidence for the use of metformin in polycystic ovary syndrome. *Lancet*. 2003 May 31;361(9372):1894-901. Available from: PubMed; PMID 12788588

Harrison CL, Stepto NK, Hutchison SK, Teede HJ. The impact of intensified exercise training on insulin resistance and fitness in overweight and obese women with and without polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Mar;76(3):351-7. Available from: PubMed; PMID 21711376

Hart R, Norman R. Polycystic ovarian syndrome--prognosis and outcomes. *Best Pract Res Clin Obstet Gynaecol*. 2006 Oct;20(5):751-78. Available from: PubMed; PMID 16766228

Hart R. Polycystic ovarian syndrome--prognosis and treatment outcomes. *Curr Opin Obstet Gynecol*. 2007 Dec;19(6):529-35. Available from: PubMed; PMID 18007129

Hart R, Doherty DA, Mori T, Huang RC, Norman RJ, Franks S, Sloboda D, Beilin L, Hickey M. Extent of metabolic risk in adolescent girls with features of polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):2347-53, 53 e1. Available from: PubMed; PMID 21450287

Hashimoto S, Yatabe J, Midorikawa S, Sanada H, Watanabe T. Inhibition of growth hormone excess reduces insulin resistance and ovarian dysfunction in a lean case of polycystic ovary syndrome with a growth-hormone-producing pituitary adenoma. *Horm Res*. 2003;59(3):149-55. Available from: PubMed; PMID 12637795

Heald A, Whitehead S, Anderson S, Cruickshank K, Riste L, Laing I, Rudenski A, Buckler H. Screening for insulin resistance in women with polycystic ovarian syndrome. *Gynecol Endocrinol*. 2005 Feb;20(2):84-91. Available from: PubMed; PMID 15823827

Hernandez-Yero A, Santana Perez F, Ovies Carballo G, Cabrera-Rode E. Diamel therapy in polycystic ovary syndrome reduces hyperinsulinaemia, insulin resistance, and hyperandrogenaemia. *Int J Endocrinol*. 2012;2012:382719. Available from: PubMed; PMID 22778733

Heutling D, Schulz H, Nickel I, Kleinstein J, Kaltwasser P, Westphal S, Mittermayer F, Wolzt M, Krzyzanowska K, Randevo H, Scherthaner G, Lehnert H. Asymmetrical dimethylarginine, inflammatory and metabolic parameters in women with polycystic ovary syndrome before and after metformin treatment. *J Clin Endocrinol Metab*. 2008 Jan;93(1):82-90. Available from: PubMed; PMID 17986642

Hill KM. Update: The pathogenesis and treatment of PCOS. *Nurse Pract*. 2003 Jul;28(7 Pt 1):8-17, 22-3, table of contents; quiz 3-5. Available from: PubMed; PMID 12861090

Hoeger KM. Role of lifestyle modification in the management of polycystic ovary syndrome. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):293-310. Available from: PubMed; PMID 16772159

Hoeger KM. Obesity and lifestyle management in polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):277-94. Available from: PubMed; PMID 17304042

Hoeger KM. Polycystic ovary syndrome, inflammation, and statins: do we have the right target? *J Clin Endocrinol Metab*. 2009 Jan;94(1):35-7. Available from: PubMed; PMID 19126632

Hoffman LK, Ehrmann DA. Cardiometabolic features of polycystic ovary syndrome. *Nat Clin Pract Endocrinol Metab*. 2008 Apr;4(4):215-22. Available from: PubMed; PMID 18250636

Homburg R. Should patients with polycystic ovarian syndrome be treated with metformin? A note of cautious optimism. *Hum Reprod*. 2002 Apr;17(4):853-6. Available from: PubMed; PMID 11925372

- Homburg R. Pregnancy complications in PCOS. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):281-92. Available from: PubMed; PMID 16772158
- Hong Y, Yang D, Liu W, Zhao X, Chen X, Li L. Dyslipidemia in relation to body mass index and insulin resistance in Chinese women with polycystic ovary syndrome. *J Biol Regul Homeost Agents.* 2011 Jul-Sep;25(3):365-74. Available from: PubMed; PMID 22023761
- Hong Y, Zhao XM, Huang LL, Li L, Chen XL, Yang DZ. Serum visfatin is elevated in Chinese women with polycystic ovary syndrome, but might not be a reliable predictor of their glucose intolerance. *J Biol Regul Homeost Agents.* 2012 Apr-Jun;26(2):221-9. Available from: PubMed; PMID 22824749
- Hossain N, Stepanova M, Afendy A, Nader F, Younossi Y, Rafiq N, Goodman Z, Younossi ZM. Non-alcoholic steatohepatitis (NASH) in patients with polycystic ovarian syndrome (PCOS). *Scand J Gastroenterol.* 2011 Apr;46(4):479-84. Available from: PubMed; PMID 21114431
- Hosseinpanah F, Barzin M, Tehrani FR, Azizi F. The lack of association between polycystic ovary syndrome and metabolic syndrome: Iranian PCOS prevalence study. *Clin Endocrinol (Oxf).* 2011 Nov;75(5):692-7. Available from: PubMed; PMID 21592169
- Hoyt KL, Schmidt MC. Polycystic ovary (Stein-Leventhal) syndrome: etiology, complications, and treatment. *Clin Lab Sci.* 2004 Summer;17(3):155-63. Available from: PubMed; PMID 15314890
- Hu S, Leonard A, Seifalian A, Hardiman P. Vascular dysfunction during pregnancy in women with polycystic ovary syndrome. *Hum Reprod.* 2007 Jun;22(6):1532-9. Available from: PubMed; PMID 17369295
- Hu W, Qiao J. Expression and regulation of adipocyte fatty acid binding protein in granulosa cells and its relation with clinical characteristics of polycystic ovary syndrome. *Endocrine.* 2011 Oct;40(2):196-202. Available from: PubMed; PMID 21720879
- Hu W, Qiao J, Yang Y, Wang L, Li R. Elevated C-reactive protein and monocyte chemoattractant protein-1 in patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jul;157(1):53-6. Available from: PubMed; PMID 21530057
- Huang J, Ni R, Chen X, Huang L, Mo Y, Yang D. Metabolic abnormalities in adolescents with polycystic ovary syndrome in south China. *Reprod Biol Endocrinol.* 2010;8:142. Available from: PubMed; PMID 21083920
- Huang G, Coviello A. Clinical update on screening, diagnosis and management of metabolic disorders and cardiovascular risk factors associated with polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes.* 2012 Dec;19(6):512-9. Available from: PubMed; PMID 23108199
- Hudecova M, Holte J, Olovsson M, Lind L, Poromaa IS. Endothelial function in patients with polycystic ovary syndrome: a long-term follow-up study. *Fertil Steril.* 2010 Dec;94(7):2654-8. Available from: PubMed; PMID 20378107
- Hudecova M, Holte J, Olovsson M, Larsson A, Berne C, Sundstrom-Poromaa I. Prevalence of the metabolic syndrome in women with a previous diagnosis of polycystic ovary syndrome: long-term follow-up. *Fertil Steril.* 2011 Nov;96(5):1271-4. Available from: PubMed; PMID 21872228
- Hunter A, Vimplis S, Sharma A, Eid N, Atiomo W. To determine whether first-degree male relatives of women with polycystic ovary syndrome are at higher risk of developing cardiovascular disease and type II diabetes mellitus. *J Obstet Gynaecol.* 2007 Aug;27(6):591-6. Available from: PubMed; PMID 17896258
- Hurd WW, Abdel-Rahman MY, Ismail SA, Abdellah MA, Schmotzer CL, Sood A. Comparison of diabetes mellitus and insulin resistance screening methods for women with polycystic ovary syndrome. *Fertil Steril.* 2011 Oct;96(4):1043-7. Available from: PubMed; PMID 21813121
- Hutchison SK, Zoungas S, Teede HJ. Insulin levels, insulin resistance and the use of metformin in polycystic ovary syndrome. *Med J Aust.* 2007 Mar 5;186(5):268-9; author reply 71-2. Available from: PubMed; PMID 17391092
- Hutchison SK, Harrison C, Stepto N, Meyer C, Teede HJ. Retinol-binding protein 4 and insulin resistance in polycystic ovary syndrome. *Diabetes Care.* 2008 Jul;31(7):1427-32. Available from: PubMed; PMID 18390799
- Hutchison SK, Stepto NK, Harrison CL, Moran LJ, Strauss BJ, Teede HJ. Effects of exercise on insulin resistance and body composition in overweight and obese women with and without polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Jan;96(1):E48-56. Available from: PubMed; PMID 20926534
- Iatrakis G, Tsionis C, Adonakis G, Stoikidou M, Anthouli-Anagnostopoulou F, Parava M, Vouxinou A, Georgopoulos NA, Kourounis G. Polycystic ovarian syndrome, insulin resistance and thickness of the endometrium. *Eur J Obstet Gynecol Reprod Biol.* 2006 Aug;127(2):218-21. Available from: PubMed; PMID 16517043
- Ibanez L, Valls C, Potau N, Marcos MV, de Zegher F. Polycystic ovary syndrome after precocious pubarche: ontogeny of the low-birthweight effect. *Clin Endocrinol (Oxf).* 2001 Nov;55(5):667-72. Available from: PubMed; PMID 11894979

- Ibanez L, de Zegher F. Low-dose combination of flutamide, metformin and an oral contraceptive for non-obese, young women with polycystic ovary syndrome. *Hum Reprod.* 2003 Jan;18(1):57-60. Available from: PubMed; PMID 12525441
- Ibanez L, Ong K, Ferrer A, Amin R, Dunger D, de Zegher F. Low-dose flutamide-metformin therapy reverses insulin resistance and reduces fat mass in nonobese adolescents with ovarian hyperandrogenism. *J Clin Endocrinol Metab.* 2003 Jun;88(6):2600-6. Available from: PubMed; PMID 12788862
- Ibanez L, Valls C, Cabre S, De Zegher F. Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of early, low-dose flutamide. *J Clin Endocrinol Metab.* 2004 Sep;89(9):4716-20. Available from: PubMed; PMID 15356085
- Ibanez L, de Zegher F. Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of metformin at the start and after more than one year of therapy. *J Clin Endocrinol Metab.* 2005 Jan;90(1):39-43. Available from: PubMed; PMID 15483105
- Iftikhar S, Collazo-Clavell ML, Roger VL, St Sauver J, Brown RD, Jr., Cha S, Rhodes DJ. Risk of cardiovascular events in patients with polycystic ovary syndrome. *Neth J Med.* 2012 Mar;70(2):74-80. Available from: PubMed; PMID 22418753
- Indhavivadhana S, Wongwananuruk T, Rattanachaiyanont M, Techatraisak K, Leerasing P, Tanmahasamut P, Popijian M. Prevalence of metabolic syndrome in reproductive-aged polycystic ovary syndrome Thai women. *J Med Assoc Thai.* 2010 Jun;93(6):653-60. Available from: PubMed; PMID 20572369
- Insenser M, Martinez-Garcia MA, Montes R, San-Millan JL, Escobar-Morreale HF. Proteomic analysis of plasma in the polycystic ovary syndrome identifies novel markers involved in iron metabolism, acute-phase response, and inflammation. *J Clin Endocrinol Metab.* 2010 Aug;95(8):3863-70. Available from: PubMed; PMID 20484478
- Ireland K, Child T. Polycystic ovary syndrome and the postmenopausal woman. *J Br Menopause Soc.* 2006 Dec;12(4):143-8. Available from: PubMed; PMID 17178014
- Isojarvi JI, Tauboll E, Pakarinen AJ, van Parys J, Rattya J, Harbo HF, Dale PO, Fauser BC, Gjerstad L, Koivunen R, Knip M, Tapanainen JS. Altered ovarian function and cardiovascular risk factors in valproate-treated women. *Am J Med.* 2001 Sep;111(4):290-6. Available from: PubMed; PMID 11566460
- Iyengar S, Schafer M, Haas G. Difficult cases in heart failure: polycystic ovary syndrome and heart failure. *Congest Heart Fail.* 2005 Jan-Feb;11(1):49-50. Available from: PubMed; PMID 15722670
- Jain M, Pandey P, Tiwary NK, Jain S. MTHFR C677T polymorphism is associated with hyperlipidemia in women with polycystic ovary syndrome. *J Hum Reprod Sci.* 2012 Jan;5(1):52-6. Available from: PubMed; PMID 22870016
- Jatzko B, Ott J. Circulating inflammatory markers in polycystic ovary syndrome: a systematic review and meta-analysis. *Fertil Steril.* 2011 Oct;96(4):e158. Available from: PubMed; PMID 21839436
- Jayagopal V, Kilpatrick ES, Holding S, Jennings PE, Atkin SL. The biological variation of insulin resistance in polycystic ovarian syndrome. *J Clin Endocrinol Metab.* 2002 Apr;87(4):1560-2. Available from: PubMed; PMID 11932282
- Jayagopal V, Kilpatrick ES, Jennings PE, Hepburn DA, Atkin SL. The biological variation of testosterone and sex hormone-binding globulin (SHBG) in polycystic ovarian syndrome: implications for SHBG as a surrogate marker of insulin resistance. *J Clin Endocrinol Metab.* 2003 Apr;88(4):1528-33. Available from: PubMed; PMID 12679434
- Jensterle M, Janez A, Vrtovec B, Meden-Vrtovec H, Pfeifer M, Prezelj J, Kocjan T. Decreased androgen levels and improved menstrual pattern after angiotensin II receptor antagonist telmisartan treatment in four hypertensive patients with polycystic ovary syndrome: case series. *Croat Med J.* 2007 Dec;48(6):864-70. Available from: PubMed; PMID 18074422
- Jensterle M, Sebestjen M, Janez A, Prezelj J, Kocjan T, Keber I, Pfeifer M. Improvement of endothelial function with metformin and rosiglitazone treatment in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2008 Oct;159(4):399-406. Available from: PubMed; PMID 18653546
- Jensterle M, Weber M, Pfeifer M, Prezelj J, Pflutzner A, Janez A. Assessment of insulin resistance in young women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2008 Aug;102(2):137-40. Available from: PubMed; PMID 18504045
- Jinno M, Kondou K, Teruya K. Low-dose metformin improves pregnancy rate in in vitro fertilization repeaters without polycystic ovary syndrome: prediction of effectiveness by multiple parameters related to insulin resistance. *Hormones (Athens).* 2010 Apr-Jun;9(2):161-70. Available from: PubMed; PMID 20687400
- Joharatnam J, Barber TM, Webber L, Conway GS, McCarthy MI, Franks S. Determinants of dyslipidaemia in probands with polycystic ovary syndrome and their sisters. *Clin Endocrinol (Oxf).* 2011 Jun;74(6):714-9. Available from: PubMed; PMID 21521255

Johnsen S, Dolan SE, Fitch KV, Killilea KM, Shifren JL, Grinspoon SK. Absence of polycystic ovary syndrome features in human immunodeficiency virus-infected women despite significant hyperinsulinemia and truncal adiposity. *J Clin Endocrinol Metab.* 2005 Oct;90(10):5596-604. Available from: PubMed; PMID 16076939

Jones H, Sprung VS, Pugh CJ, Daousi C, Irwin A, Aziz N, Adams VL, Thomas EL, Bell JD, Kemp GJ, Cuthbertson DJ. Polycystic Ovary Syndrome with Hyperandrogenism Is Characterized by an Increased Risk of Hepatic Steatosis Compared to Nonhyperandrogenic PCOS Phenotypes and Healthy Controls, Independent of Obesity and Insulin Resistance. *J Clin Endocrinol Metab.* 2012 Oct;97(10):3709-16. Available from: PubMed; PMID 22837189

Jones MR, Chua AK, Mengesha EA, Taylor KD, Chen YD, Li X, Krauss RM, Rotter JI, Legro RS, Azziz R, Goodarzi MO. Metabolic and cardiovascular genes in polycystic ovary syndrome: a candidate-wide association study (CWAS). *Steroids.* 2012 Mar 10;77(4):317-22. Available from: PubMed; PMID 22178785

Jovanovic VP, Carmina E, Lobo RA. Not all women diagnosed with PCOS share the same cardiovascular risk profiles. *Fertil Steril.* 2010 Aug;94(3):826-32. Available from: PubMed; PMID 19501355

Kajaia N, Binder H, Dittrich R, Oppelt PG, Flor B, Cupisti S, Beckmann MW, Mueller A. Low sex hormone-binding globulin as a predictive marker for insulin resistance in women with hyperandrogenic syndrome. *Eur J Endocrinol.* 2007 Oct;157(4):499-507. Available from: PubMed; PMID 17893265

Kalgaonkar S, Almario RU, Gurusinge D, Garamendi EM, Buchan W, Kim K, Karakas SE. Differential effects of walnuts vs almonds on improving metabolic and endocrine parameters in PCOS. *Eur J Clin Nutr.* 2011 Mar;65(3):386-93. Available from: PubMed; PMID 21157477

Kalra A, Nair S, Rai L. Association of obesity and insulin resistance with dyslipidemia in Indian women with polycystic ovarian syndrome. *Indian J Med Sci.* 2006 Nov;60(11):447-53. Available from: PubMed; PMID 17090865

Kalra P, Bansal B, Nag P, Singh JK, Gupta RK, Kumar S, Rathore RK, Bhatia V, Bhatia E. Abdominal fat distribution and insulin resistance in Indian women with polycystic ovarian syndrome. *Fertil Steril.* 2009 Apr;91(4 Suppl):1437-40. Available from: PubMed; PMID 18722605

Kandaraki E, Christakou C, Diamanti-Kandarakis E. Metabolic syndrome and polycystic ovary syndrome... and vice versa. *Arq Bras Endocrinol Metabol.* 2009 Mar;53(2):227-37. Available from: PubMed; PMID 19466215

Kanmaz-Ozer M, Vural P, Dogru-Abbasoglu S, Gedikbasi A, Cil E, Karadag B, Uysal M. Polymorphisms of vascular cell adhesion molecule1 (VCAM1) in polycystic ovary syndrome determined by quantitative real-time polymerase chain reaction and melting curve analysis. *Eur J Obstet Gynecol Reprod Biol.* 2012 Feb;160(2):174-8. Available from: PubMed; PMID 22137570

Karabulut A, Demirlenk S, Sevket O. Effects of ethinyl estradiol-cyproterone acetate treatment on metabolic syndrome, fat distribution and carotid intima media thickness in polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Apr;28(4):245-8. Available from: PubMed; PMID 21961995

Karabulut A, Yaylali GF, Demirlenk S, Sevket O, Acun A. Evaluation of body fat distribution in PCOS and its association with carotid atherosclerosis and insulin resistance. *Gynecol Endocrinol.* 2012 Feb;28(2):111-4. Available from: PubMed; PMID 21770828

Karaer A, Cavkaytar S, Mert I, Buyukkagnici U, Batioglu S. Cardiovascular risk factors in polycystic ovary syndrome. *J Obstet Gynaecol.* 2010 May;30(4):387-92. Available from: PubMed; PMID 20455724

Karakas SE, Kim K, Duleba AJ. Determinants of impaired fasting glucose versus glucose intolerance in polycystic ovary syndrome. *Diabetes Care.* 2010 Apr;33(4):887-93. Available from: PubMed; PMID 20067969

Karakurt F, Gumus, II, Bavbek N, Kargili A, Koca C, Selcoki Y, Ozbek M, Kosar A, Akcay A. Increased thrombin-activatable fibrinolysis inhibitor antigen levels as a clue for prothrombotic state in polycystic ovary syndrome. *Gynecol Endocrinol.* 2008 Sep;24(9):491-7. Available from: PubMed; PMID 18958767

Kargili A, Karakurt F, Kasapoglu B, Derbent A, Koca C, Selcoki Y. Association of polycystic ovary syndrome and a non-dipping blood pressure pattern in young women. *Clinics (Sao Paulo).* 2010 May;65(5):475-9. Available from: PubMed; PMID 20535365

Kashyap S, Claman P. Polycystic ovary disease and the risk of pregnancy-induced hypertension. *J Reprod Med.* 2000 Dec;45(12):991-4. Available from: PubMed; PMID 11153260

Kasperlik-Zaluska AA, Stopinska-Gluzak U, Powolny M. Severe virilisation in a 71-year-old acromegalic woman with probable polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2007 Sep;134(1):134-5. Available from: PubMed; PMID 16996195

Kassi E, Diamanti-Kandarakis E. The effects of insulin sensitizers on the cardiovascular risk factors in women with polycystic ovary syndrome. *J Endocrinol Invest.* 2008 Dec;31(12):1124-31. Available from: PubMed; PMID 19246981

- Katsikis I, Mouslech T, Kourtis A, Panidis D, Georgopoulos NA. Oligo-ovulation or anovulation and hyperandrogenemia contribute to the decreased serum adiponectin levels in normal-weight women with PCOS with obesity and insulin resistance. *Fertil Steril*. 2009 Apr;91(4):e3; author reply e4. Available from: PubMed; PMID 19243758
- Katsikis I, Karkanaki A, Misichronis G, Delkos D, Kandaraki EA, Panidis D. Phenotypic expression, body mass index and insulin resistance in relation to LH levels in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 Jun;156(2):181-5. Available from: PubMed; PMID 21353371
- Kauffman RP, Baker VM, Dimarino P, Gimpel T, Castracane VD. Polycystic ovarian syndrome and insulin resistance in white and Mexican American women: a comparison of two distinct populations. *Am J Obstet Gynecol*. 2002 Nov;187(5):1362-9. Available from: PubMed; PMID 12439532
- Kauffman RP, Baker VM, DiMarino P, Castracane VD. Hyperinsulinemia and circulating dehydroepiandrosterone sulfate in white and Mexican American women with polycystic ovary syndrome. *Fertil Steril*. 2006 Apr;85(4):1010-6. Available from: PubMed; PMID 16580388
- Kauffman RP, Tullar PE, Nipp RD, Castracane VD. Serum magnesium concentrations and metabolic variables in polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2011 May;90(5):452-8. Available from: PubMed; PMID 21306320
- Kaur S, Archer KJ, Devi MG, Kriplani A, Strauss JF, 3rd, Singh R. Differential Gene Expression in Granulosa Cells from Polycystic Ovary Syndrome Patients with and without Insulin Resistance: Identification of Susceptibility Gene Sets through Network Analysis. *J Clin Endocrinol Metab*. 2012 Oct;97(10):E2016-21. Available from: PubMed; PMID 22904171
- Kaushal R, Parchure N, Bano G, Kaski JC, Nussey SS. Insulin resistance and endothelial dysfunction in the brothers of Indian subcontinent Asian women with polycystic ovaries. *Clin Endocrinol (Oxf)*. 2004 Mar;60(3):322-8. Available from: PubMed; PMID 15008997
- Kaya C, Cengiz SD, Satiroglu H. Obesity and insulin resistance associated with lower plasma vitamin B12 in PCOS. *Reprod Biomed Online*. 2009 Nov;19(5):721-6. Available from: PubMed; PMID 20021721
- Kaya C, Erkan AF, Cengiz SD, Dunder I, Demirel OE, Bilgihan A. Advanced oxidation protein products are increased in women with polycystic ovary syndrome: relationship with traditional and nontraditional cardiovascular risk factors in patients with polycystic ovary syndrome. *Fertil Steril*. 2009 Oct;92(4):1372-7. Available from: PubMed; PMID 18976759
- Kaya C, Akgul E, Pabuccu R. C-reactive protein and homocysteine levels are associated with abnormal heart rate recovery in women with polycystic ovary syndrome. *Fertil Steril*. 2010 Jun;94(1):230-5. Available from: PubMed; PMID 19362308
- Kaya C, Pabuccu R, Berker B, Satiroglu H. Plasma interleukin-18 levels are increased in the polycystic ovary syndrome: relationship of carotid intima-media wall thickness and cardiovascular risk factors. *Fertil Steril*. 2010 Mar 1;93(4):1200-7. Available from: PubMed; PMID 19131059
- Kaya C, Pabuccu R, Cengiz SD, Dunder I. Comparison of the effects of atorvastatin and simvastatin in women with polycystic ovary syndrome: A prospective, randomized study. *Exp Clin Endocrinol Diabetes*. 2010 Mar;118(3):161-6. Available from: PubMed; PMID 20146169
- Kaya MG, Gunebakmaz O, Zencir C, Yilmazsoy A, Karadag M, Topsakal R, Ergin A, Kelestimur F. An assessment of the elastic properties of the aorta in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Nov;94(6):2402-5. Available from: PubMed; PMID 20493476
- Kazerooni T, Asadi N, Dehbashi S, Zolghadri J. Effect of folic acid in women with and without insulin resistance who have hyperhomocysteinemic polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2008 May;101(2):156-60. Available from: PubMed; PMID 18313674
- Kelly CJ, Connell JM, Cameron IT, Gould GW, Lyall H. The long term health consequences of polycystic ovary syndrome. *BJOG*. 2000 Nov;107(11):1327-38. Available from: PubMed; PMID 11117758
- Kelly CC, Lyall H, Petrie JR, Gould GW, Connell JM, Sattar N. Low grade chronic inflammation in women with polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2001 Jun;86(6):2453-5. Available from: PubMed; PMID 11397838
- Kenna HA, Jiang B, Rasgon NL. Reproductive and metabolic abnormalities associated with bipolar disorder and its treatment. *Harv Rev Psychiatry*. 2009;17(2):138-46. Available from: PubMed; PMID 19373621
- Kent SC, Legro RS. Polycystic ovary syndrome in adolescents. *Adolesc Med*. 2002 Feb;13(1):73-88, vi. Available from: PubMed; PMID 11841956
- Ketel II, Stehouwer CD, Serne EH, Korsen TJ, Hompes PG, Smulders YM, de Jongh RT, Homburg R, Lambalk CB. Obese but not normal-weight women with polycystic ovary syndrome are characterized by metabolic and microvascular insulin resistance. *J Clin Endocrinol Metab*. 2008 Sep;93(9):3365-72. Available from: PubMed; PMID 18593766

- Ketel IJ, Stehouwer CD, Henry RM, Serne EH, Hompes P, Homburg R, Smulders YM, Lambalk CB. Greater arterial stiffness in polycystic ovary syndrome (PCOS) is an obesity--but not a PCOS-associated phenomenon. *J Clin Endocrinol Metab*. 2010 Oct;95(10):4566-75. Available from: PubMed; PMID 20660051
- Khan KA, Stas S, Kurukulasuriya LR. Polycystic ovarian syndrome. *J Cardiometab Syndr*. 2006 Spring;1(2):125-30; quiz 31-2. Available from: PubMed; PMID 17679815
- Kilic S, Yilmaz N, Zulfikaroglu E, Erdogan G, Aydin M, Batioglu S. Inflammatory-metabolic parameters in obese and nonobese normoandrogenemic polycystic ovary syndrome during metformin and oral contraceptive treatment. *Gynecol Endocrinol*. 2011 Sep;27(9):622-9. Available from: PubMed; PMID 21105835
- Kilic-Okman T, Guldiken S, Kucuk M. Relationship between homocysteine and insulin resistance in women with polycystic ovary syndrome. *Endocr J*. 2004 Oct;51(5):505-8. Available from: PubMed; PMID 15516786
- King AJ, Olivier NB, Mohankumar PS, Lee JS, Padmanabhan V, Fink GD. Hypertension caused by prenatal testosterone excess in female sheep. *Am J Physiol Endocrinol Metab*. 2007 Jun;292(6):E1837-41. Available from: PubMed; PMID 17327368
- Klenke S, Tan S, Hahn S, Mann K, Hauner H, Manthey I, Peters J, Siffert W, Frey UH. A functional GNAQ promoter haplotype is associated with altered Gq expression and with insulin resistance and obesity in women with polycystic ovary syndrome. *Pharmacogenet Genomics*. 2010 Aug;20(8):476-84. Available from: PubMed; PMID 20562673
- Knebel B, Janssen OE, Hahn S, Jacob S, Gleich J, Kotzka J, Muller-Wieland D. Increased low grade inflammatory serum markers in patients with Polycystic ovary syndrome (PCOS) and their relationship to PPARgamma gene variants. *Exp Clin Endocrinol Diabetes*. 2008 Aug;116(8):481-6. Available from: PubMed; PMID 18680073
- Knebel B, Lehr S, Janssen OE, Hahn S, Nitzgen U, Jacob S, Haas J, Muller-Wieland D, Kotzka J. Genetic variants in central metabolic genes influence some but not all relations of inflammatory markers in a collective with polycystic ovary syndrome. *Arch Physiol Biochem*. 2012 Oct;118(4):219-29. Available from: PubMed; PMID 22738153
- Kocak I, Ustun C. Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res*. 2006 Jun;32(3):292-8. Available from: PubMed; PMID 16764619
- Kodaman PH, Duleba AJ. Statins in the treatment of polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):127-38. Available from: PubMed; PMID 18181091
- Koika V, Georgopoulos NA, Piouka A, Roupas ND, Karela A, Armeni AK, Katsantoni E, Panidis D. Increased frequency of the DI genotype of the angiotensin-I converting enzyme and association of the II genotype with insulin resistance in polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Apr;166(4):695-702. Available from: PubMed; PMID 22223701
- Kolodziejczyk B, Duleba AJ, Spaczynski RZ, Pawelczyk L. Metformin therapy decreases hyperandrogenism and hyperinsulinemia in women with polycystic ovary syndrome. *Fertil Steril*. 2000 Jun;73(6):1149-54. Available from: PubMed; PMID 10856473
- Kong GW, Cheung LP, Lok IH. Effects of laparoscopic ovarian drilling in treating infertile anovulatory polycystic ovarian syndrome patients with and without metabolic syndrome. *Hong Kong Med J*. 2011 Feb;17(1):5-10. Available from: PubMed; PMID 21282820
- Korhonen S, Hippelainen M, Niskanen L, Vanhala M, Saarikoski S. Relationship of the metabolic syndrome and obesity to polycystic ovary syndrome: a controlled, population-based study. *Am J Obstet Gynecol*. 2001 Feb;184(3):289-96. Available from: PubMed; PMID 11228476
- Kosmala W, O'Moore-Sullivan TM, Plaksej R, Kuliczowska-Plaksej J, Przewlocka-Kosmala M, Marwick TH. Subclinical impairment of left ventricular function in young obese women: contributions of polycystic ovary disease and insulin resistance. *J Clin Endocrinol Metab*. 2008 Oct;93(10):3748-54. Available from: PubMed; PMID 18682502
- Kousta E, Tolis G, Franks S. Polycystic ovary syndrome. Revised diagnostic criteria and long-term health consequences. *Hormones (Athens)*. 2005 Jul-Sep;4(3):133-47. Available from: PubMed; PMID 16613823
- Kovacs G, Wood C. The current status of polycystic ovary syndrome. *Aust N Z J Obstet Gynaecol*. 2001 Feb;41(1):65-8. Available from: PubMed; PMID 11284649
- Koval KW, Setji TL, Reyes E, Brown AJ. Higher high-density lipoprotein cholesterol in African-American women with polycystic ovary syndrome compared with Caucasian counterparts. *J Clin Endocrinol Metab*. 2010 Sep;95(9):E49-53. Available from: PubMed; PMID 20534766
- Kowalska I, Strackowski M, Nikolajuk A, Adamska A, Karczewska-Kupczewska M, Otiomek E, Wolczynski S, Gorska M. Serum visfatin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Hum Reprod*.

2007 Jul;22(7):1824-9. Available from: PubMed; PMID 17582143

Kowalska I, Fernandez-Real JM, Straczkowski M, Kozłowska A, Adamska A, Ortega F, Nikolajuk A, Karczewska-Kupczewska M, Wolczynski S, Gorska M. Insulin resistance is associated with decreased circulating mannan-binding lectin concentrations in women with polycystic ovary syndrome. *Diabetes Care*. 2008 Apr;31(4):e20. Available from: PubMed; PMID 18375421

Krentz AJ, von Muhlen D, Barrett-Connor E. Searching for polycystic ovary syndrome in postmenopausal women: evidence of a dose-effect association with prevalent cardiovascular disease. *Menopause*. 2007 Mar-Apr;14(2):284-92. Available from: PubMed; PMID 17245231

Kurdoglu Z, Ozkol H, Tuluçe Y, Koyuncu I. Oxidative status and its relation with insulin resistance in young non-obese women with polycystic ovary syndrome. *J Endocrinol Invest*. 2012 Mar;35(3):317-21. Available from: PubMed; PMID 21521935

Kurioka H, Takahashi K, Miyazaki K. Glucose intolerance in Japanese patients with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2007 Mar;275(3):169-73. Available from: PubMed; PMID 16972071

la Marca A, Egbe TO, Morgante G, Paglia T, Cianci A, De Leo V. Metformin treatment reduces ovarian cytochrome P-450c17alpha response to human chorionic gonadotrophin in women with insulin resistance-related polycystic ovary syndrome. *Hum Reprod*. 2000 Jan;15(1):21-3. Available from: PubMed; PMID 10611182

Lajunen TK, Purhonen AK, Haapea M, Ruokonen A, Puukka K, Hartikainen AL, Savolainen MJ, Morin-Papunen L, Tapanainen JS, Franks S, Jarvelin MR, Herzig KH. Full-length visfatin levels are associated with inflammation in women with polycystic ovary syndrome. *Eur J Clin Invest*. 2012 Mar;42(3):321-8. Available from: PubMed; PMID 21913913

Lakhani K, Constantinovici N, Purcell WM, Fernando R, Hardiman P. Internal carotid-artery response to 5% carbon dioxide in women with polycystic ovaries. *Lancet*. 2000 Sep 30;356(9236):1166-7. Available from: PubMed; PMID 11030301

Lakhani K, Hardiman P, Seifalian AM. Intima-media thickness of elastic and muscular arteries of young women with polycystic ovaries. *Atherosclerosis*. 2004 Aug;175(2):353-9. Available from: PubMed; PMID 15262192

Lakhani K, Prelevic GM, Seifalian AM, Atiomo WU, Hardiman P. Polycystic ovary syndrome, diabetes and cardiovascular disease: risks and risk factors. *J Obstet Gynaecol*. 2004 Sep;24(6):613-21. Available from: PubMed; PMID 16147598

Lakhani K, Leonard A, Seifalian AM, Hardiman P. Microvascular dysfunction in women with polycystic ovary syndrome. *Hum Reprod*. 2005 Nov;20(11):3219-24. Available from: PubMed; PMID 16037109

Lam PM, Cheung LP, Haines C. Revisit of metformin treatment in polycystic ovarian syndrome. *Gynecol Endocrinol*. 2004 Jul;19(1):33-9. Available from: PubMed; PMID 15625771

Lam PM, Tam WH, Cheung LP. Higher metabolic risk in Chinese women fulfilling the NIH diagnostic criteria for polycystic ovarian syndrome. *Fertil Steril*. 2009 Apr;91(4 Suppl):1493-5. Available from: PubMed; PMID 18851848

Lambrinoudaki I. Cardiovascular risk in postmenopausal women with the polycystic ovary syndrome. *Maturitas*. 2011 Jan;68(1):13-6. Available from: PubMed; PMID 20943333

Landay M, Huang A, Azziz R. Degree of hyperinsulinemia, independent of androgen levels, is an important determinant of the severity of hirsutism in PCOS. *Fertil Steril*. 2009 Aug;92(2):643-7. Available from: PubMed; PMID 18722607

Lankarani M, Valizadeh N, Heshmat R, Peimani M, Sohrabvand F. Evaluation of insulin resistance and metabolic syndrome in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Aug;25(8):504-7. Available from: PubMed; PMID 19499403

Lass N, Kleber M, Winkel K, Wunsch R, Reinehr T. Effect of lifestyle intervention on features of polycystic ovarian syndrome, metabolic syndrome, and intima-media thickness in obese adolescent girls. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3533-40. Available from: PubMed; PMID 21880803

Lecke SB, Morsch DM, Spritzer PM. CYP19 gene expression in subcutaneous adipose tissue is associated with blood pressure in women with polycystic ovary syndrome. *Steroids*. 2011 Nov;76(12):1383-8. Available from: PubMed; PMID 21807013

Lee F, Patel HR, Copland P, Kahn L. Fowler's syndrome: cause or consequence of insulin resistance? *BJU Int*. 2002 Jan;89(1):138. Available from: PubMed; PMID 11849180

Lee H, Oh JY, Sung YA, Chung H, Cho WY. The prevalence and risk factors for glucose intolerance in young Korean women with polycystic ovary syndrome. *Endocrine*. 2009 Oct;36(2):326-32. Available from: PubMed; PMID 19688613

Legro RS. Polycystic ovary syndrome: the new millenium. *Mol Cell Endocrinol*. 2001 Nov 26;184(1-2):87-93. Available from: PubMed; PMID 11694344

Legro RS, Kunselman AR, Dunaif A. Prevalence and predictors of dyslipidemia in women with polycystic ovary



- syndrome. *Am J Med.* 2001 Dec 1;111(8):607-13. Available from: PubMed; PMID 11755503
- Legro RS. Detection of insulin resistance and its treatment in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2002 Dec;15 Suppl 5:1367-78. Available from: PubMed; PMID 12510993
- Legro RS. Polycystic ovary syndrome. Long term sequelae and management. *Minerva Ginecol.* 2002 Apr;54(2):97-114. Available from: PubMed; PMID 12032449
- Legro RS, Bentley-Lewis R, Driscoll D, Wang SC, Dunaif A. Insulin resistance in the sisters of women with polycystic ovary syndrome: association with hyperandrogenemia rather than menstrual irregularity. *J Clin Endocrinol Metab.* 2002 May;87(5):2128-33. Available from: PubMed; PMID 11994352
- Legro RS. Polycystic ovary syndrome and cardiovascular disease: a premature association? *Endocr Rev.* 2003 Jun;24(3):302-12. Available from: PubMed; PMID 12788801
- Legro RS, Azziz R, Ehrmann D, Fereshetian AG, O'Keefe M, Ghazzi MN. Minimal response of circulating lipids in women with polycystic ovary syndrome to improvement in insulin sensitivity with troglitazone. *J Clin Endocrinol Metab.* 2003 Nov;88(11):5137-44. Available from: PubMed; PMID 14602740
- Legro RS, Castracane VD, Kauffman RP. Detecting insulin resistance in polycystic ovary syndrome: purposes and pitfalls. *Obstet Gynecol Surv.* 2004 Feb;59(2):141-54. Available from: PubMed; PMID 14752302
- Leibel NI, Baumann EE, Kocherginsky M, Rosenfield RL. Relationship of adolescent polycystic ovary syndrome to parental metabolic syndrome. *J Clin Endocrinol Metab.* 2006 Apr;91(4):1275-83. Available from: PubMed; PMID 16449341
- Lemay A, Dodin S, Turcot L, Dechene F, Forest JC. Rosiglitazone and ethinyl estradiol/cyproterone acetate as single and combined treatment of overweight women with polycystic ovary syndrome and insulin resistance. *Hum Reprod.* 2006 Jan;21(1):121-8. Available from: PubMed; PMID 16199428
- Lembo G, Grassi G. A lesson from polycystic ovarian syndrome: untangling the role of renal sympathetic nervous system on hypertension and insulin resistance. *J Hypertens.* 2011 May;29(5):836-7. Available from: PubMed; PMID 21475046
- Lenarcik A, Bidzinska-Speichert B. Cardiopulmonary functional capacity and the role of exercise in improving maximal oxygen consumption in women with PCOS. *Endokrynol Pol.* 2010 Mar-Apr;61(2):207-9. Available from: PubMed; PMID 20464708
- Lenarcik A, Bidzinska-Speichert B, Tworowska-Bardzinska U. The role of chronic inflammation and Leu55Met PON1 polymorphism in the pathogenesis of polycystic ovary syndrome. *Gynecol Endocrinol.* 2010 Sep;26(9):673-83. Available from: PubMed; PMID 20334584
- Lerchbaum E, Trummer O, Giuliani A, Gruber HJ, Pieber TR, Obermayer-Pietsch B. Susceptibility loci for polycystic ovary syndrome on chromosome 2p16.3, 2p21, and 9q33.3 in a cohort of Caucasian women. *Horm Metab Res.* 2011 Oct;43(11):743-7. Available from: PubMed; PMID 22009367
- Lewandowski KC, Szosland K, O'Callaghan C, Tan BK, Randeve HS, Lewinski A. Adiponectin and resistin serum levels in women with polycystic ovary syndrome during oral glucose tolerance test: a significant reciprocal correlation between adiponectin and resistin independent of insulin resistance indices. *Mol Genet Metab.* 2005 May;85(1):61-9. Available from: PubMed; PMID 15862282
- Li Q, Huang DM, Lu FE, Xie Y, Xu LJ, Zou X, Gong D, Wang ZS. Effects of Bushen Tongmai Recipe on protein kinase B $\alpha$  expression in polycystic ovary rats with insulin resistance. *Chin J Integr Med.* 2010 Aug;16(4):324-30. Available from: PubMed; PMID 20697943
- Li HW, Brereton RE, Anderson RA, Wallace AM, Ho CK. Vitamin D deficiency is common and associated with metabolic risk factors in patients with polycystic ovary syndrome. *Metabolism.* 2011 Oct;60(10):1475-81. Available from: PubMed; PMID 21550088
- Li W, Ma L, Li Q. Insulin resistance but not impaired beta-cell function: a key feature in Chinese normal-weight PCOS women with normal glucose regulation. *Gynecol Endocrinol.* 2012 Aug;28(8):598-601. Available from: PubMed; PMID 22309514
- Liang F, Koya D. Acupuncture: is it effective for treatment of insulin resistance? *Diabetes Obes Metab.* 2010 Jul;12(7):555-69. Available from: PubMed; PMID 20590731
- Lin TC, Yen JM, Gong KB, Kuo TC, Ku DC, Liang SF, Wu MJ. Abnormal glucose tolerance and insulin resistance in polycystic ovary syndrome amongst the Taiwanese population- not correlated with insulin receptor substrate-1 Gly972Arg/Ala513Pro polymorphism. *BMC Med Genet.* 2006;7:36. Available from: PubMed; PMID 16603055
- Lin YH, Chiu WC, Wu CH, Tzeng CR, Hsu CS, Hsu MI. Antimullerian hormone and polycystic ovary syndrome. *Fertil Steril.* 2011 Jul;96(1):230-5. Available from: PubMed; PMID 21549367
- Lin YS, Tsai SJ, Lin MW, Yang CT, Huang MF, Wu MH. Interleukin-6 as an early chronic inflammatory marker in polycystic ovary syndrome with insulin receptor substrate-2 polymorphism. *Am J Reprod Immunol.* 2011

Dec;66(6):527-33. Available from: PubMed; PMID 21801267

Lindholm A, Andersson L, Eliasson M, Bixo M, Sundstrom-Poromaa I. Prevalence of symptoms associated with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2008 Jul;102(1):39-43. Available from: PubMed; PMID 18321516

Lindholm A, Bixo M, Bjorn I, Wolner-Hanssen P, Eliasson M, Larsson A, Johnson O, Poromaa IS. Effect of sibutramine on weight reduction in women with polycystic ovary syndrome: a randomized, double-blind, placebo-controlled trial. *Fertil Steril*. 2008 May;89(5):1221-8. Available from: PubMed; PMID 17603048

Lindholm A, Blomquist C, Bixo M, Dahlbom I, Hansson T, Sundstrom Poromaa I, Buren J. No difference in markers of adipose tissue inflammation between overweight women with polycystic ovary syndrome and weight-matched controls. *Hum Reprod*. 2011 Jun;26(6):1478-85. Available from: PubMed; PMID 21478181

Liu KE, Tataryn IV, Sagle M. Use of metformin for ovulation induction in women who have polycystic ovary syndrome with or without evidence of insulin resistance. *J Obstet Gynaecol Can*. 2006 Jul;28(7):595-9. Available from: PubMed; PMID 16916482

Lo JC, Feigenbaum SL, Yang J, Pressman AR, Selby JV, Go AS. Epidemiology and adverse cardiovascular risk profile of diagnosed polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Apr;91(4):1357-63. Available from: PubMed; PMID 16434451

Lobo RA, Carmina E. The importance of diagnosing the polycystic ovary syndrome. *Ann Intern Med*. 2000 Jun 20;132(12):989-93. Available from: PubMed; PMID 10858183

Lobo RA. Priorities in polycystic ovary syndrome. *Med J Aust*. 2001 Jun 4;174(11):554-5. Available from: PubMed; PMID 11453323

Lord J, Thomas R, Fox B, Acharya U, Wilkin T. The effect of metformin on fat distribution and the metabolic syndrome in women with polycystic ovary syndrome--a randomised, double-blind, placebo-controlled trial. *BJOG*. 2006 Jul;113(7):817-24. Available from: PubMed; PMID 16827766

Lord J, Thomas R, Fox B, Acharya U, Wilkin T. The central issue? Visceral fat mass is a good marker of insulin resistance and metabolic disturbance in women with polycystic ovary syndrome. *BJOG*. 2006 Oct;113(10):1203-9. Available from: PubMed; PMID 16753044

Lorenz LB, Wild RA. Polycystic ovarian syndrome: an evidence-based approach to evaluation and management of diabetes and cardiovascular risks for today's clinician. *Clin*

*Obstet Gynecol*. 2007 Mar;50(1):226-43. Available from: PubMed; PMID 17304038

Loucks TL, Talbott EO, McHugh KP, Keelan M, Berga SL, Guzick DS. Do polycystic-appearing ovaries affect the risk of cardiovascular disease among women with polycystic ovary syndrome? *Fertil Steril*. 2000 Sep;74(3):547-52. Available from: PubMed; PMID 10973653

Loverro G, Lorusso F, Mei L, Depalo R, Cormio G, Selvaggi L. The plasma homocysteine levels are increased in polycystic ovary syndrome. *Gynecol Obstet Invest*. 2002;53(3):157-62. Available from: PubMed; PMID 12053100

Loverro G. Polycystic ovary syndrome and cardiovascular disease. *Minerva Endocrinol*. 2004 Sep;29(3):129-38. Available from: PubMed; PMID 15282445

Lowenstein L, Damti A, Pillar G, Shott S, Blumenfeld Z. Evaluation of endothelial function in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2007 Oct;134(2):208-12. Available from: PubMed; PMID 17374431

Lucidi RS, Thyer AC, Easton CA, Holden AE, Schenken RS, Brzyski RG. Effect of chromium supplementation on insulin resistance and ovarian and menstrual cyclicality in women with polycystic ovary syndrome. *Fertil Steril*. 2005 Dec;84(6):1755-7. Available from: PubMed; PMID 16359984

Luef G, Abraham I, Haslinger M, Trinkla E, Seppi K, Unterberger I, Alge A, Windisch J, Lechleitner M, Bauer G. Polycystic ovaries, obesity and insulin resistance in women with epilepsy. A comparative study of carbamazepine and valproic acid in 105 women. *J Neurol*. 2002 Jul;249(7):835-41. Available from: PubMed; PMID 12140666

Lunde O, Tanbo T. Polycystic ovary syndrome: a follow-up study on diabetes mellitus, cardiovascular disease and malignancy 15-25 years after ovarian wedge resection. *Gynecol Endocrinol*. 2007 Dec;23(12):704-9. Available from: PubMed; PMID 18075845

Lungu AO, Zadeh ES, Goodling A, Cochran E, Gorden P. Insulin resistance is a sufficient basis for hyperandrogenism in lipodystrophic women with polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2012 Feb;97(2):563-7. Available from: PubMed; PMID 22090274

Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JI, Martinez-Bermejo E, Lasuncion MA, Escobar-Morreale HF. Comparison of ethinyl-estradiol plus cyproterone acetate versus metformin effects on classic metabolic cardiovascular risk factors in women with the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jul;92(7):2453-61. Available from: PubMed; PMID 17426085

- Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JI, Sanchon R, San Millan JL, Escobar-Morreale HF. Increased body iron stores of obese women with polycystic ovary syndrome are a consequence of insulin resistance and hyperinsulinism and are not a result of reduced menstrual losses. *Diabetes Care*. 2007 Sep;30(9):2309-13. Available from: PubMed; PMID 17536071
- Luque-Ramirez M, Alvarez-Blasco F, Mendieta-Azcona C, Botella-Carretero JI, Escobar-Morreale HF. Obesity is the major determinant of the abnormalities in blood pressure found in young women with the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jun;92(6):2141-8. Available from: PubMed; PMID 17389696
- Luque-Ramirez M, Mendieta-Azcona C, Alvarez-Blasco F, Escobar-Morreale HF. Androgen excess is associated with the increased carotid intima-media thickness observed in young women with polycystic ovary syndrome. *Hum Reprod*. 2007 Dec;22(12):3197-203. Available from: PubMed; PMID 17933750
- Luque-Ramirez M, Alvarez-Blasco F, Uriol Rivera MG, Escobar-Morreale HF. Serum uric acid concentration as non-classic cardiovascular risk factor in women with polycystic ovary syndrome: effect of treatment with ethinyl-estradiol plus cyproterone acetate versus metformin. *Hum Reprod*. 2008 Jul;23(7):1594-601. Available from: PubMed; PMID 18375410
- Luque-Ramirez M, Mendieta-Azcona C, Alvarez-Blasco F, Escobar-Morreale HF. Effects of metformin versus ethinyl-estradiol plus cyproterone acetate on ambulatory blood pressure monitoring and carotid intima media thickness in women with the polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):2527-36. Available from: PubMed; PMID 18565522
- Luque-Ramirez M, Escobar-Morreale HF. Treatment of polycystic ovary syndrome (PCOS) with metformin ameliorates insulin resistance in parallel with the decrease of serum interleukin-6 concentrations. *Horm Metab Res*. 2010 Oct;42(11):815-20. Available from: PubMed; PMID 20730705
- Lv L, Liu Y. Effect of rosiglitazone on endocrine, metabolism and ovulatory performance in patients with polycystic ovary syndrome and insulin resistance. *J Huazhong Univ Sci Technolog Med Sci*. 2004;24(5):480-2. Available from: PubMed; PMID 15641698
- Ma F, Qiao L, Yue H, Xie S, Zhou X, Jiang M, Zhang W, Qi J, Wang L, Xu K. Homeostasis model assessment-insulin resistance (HOMA-IR), a key role for assessing the ovulation function in polycystic ovary syndrome (PCOS) patients with insulin resistance. *Endocr J*. 2008 Oct;55(5):943-5. Available from: PubMed; PMID 18552461
- Maciel GA, Hayashida SA, da Costa LC, Marcondes JA, da Fonseca AM, Soares JM, Jr., Baracat EC. Influence of LH and high-density lipoprotein cholesterol (HDL-C) on metformin response in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 Aug;157(2):180-4. Available from: PubMed; PMID 21530060
- Macut D, Micic D, Cvijovic G, Sumarac M, Kendereski A, Zoric S, Pejkoic D. Cardiovascular risk in adolescent and young adult obese females with polycystic ovary syndrome (PCOS). *J Pediatr Endocrinol Metab*. 2001;14 Suppl 5:1353-59; discussion 65. Available from: PubMed; PMID 11964034
- Macut D, Micic D, Parapid B, Cvijovic G, Sumarac M, Kendereski A, Milic N, Tulic L, Muharemagic A, Zoric S, Pejkoic D. Age and body mass related changes of cardiovascular risk factors in women with polycystic ovary syndrome. *Vojnosanit Pregl*. 2002 Nov-Dec;59(6):593-9. Available from: PubMed; PMID 12557616
- Macut D, Panidis D, Glisic B, Spanos N, Petakov M, Bjekic J, Stanojlovic O, Rousso D, Kourtis A, Bozic I, Damjanovic S. Lipid and lipoprotein profile in women with polycystic ovary syndrome. *Can J Physiol Pharmacol*. 2008 Apr;86(4):199-204. Available from: PubMed; PMID 18418429
- Macut D, Simic T, Lissounov A, Pljesa-Ercegovac M, Bozic I, Djukic T, Bjekic-Macut J, Matic M, Petakov M, Suvakov S, Damjanovic S, Savic-Radojevic A. Insulin resistance in non-obese women with polycystic ovary syndrome: relation to byproducts of oxidative stress. *Exp Clin Endocrinol Diabetes*. 2011 Jul;119(7):451-5. Available from: PubMed; PMID 21667435
- Maggio MC, Liotta A, De Grazia E, Cimador M, Di Pace R, Corsello G. Polycystic ovary and gonadoblastoma in Turner's syndrome. *Minerva Pediatr*. 2007 Aug;59(4):397-401. Available from: PubMed; PMID 17947845
- Mahmoudi T, Gourabi H, Ashrafi M, Yazdi RS, Ezabadi Z. Calcitropic hormones, insulin resistance, and the polycystic ovary syndrome. *Fertil Steril*. 2010 Mar 1;93(4):1208-14. Available from: PubMed; PMID 19230880
- Maitra A, Pingle RR, Menon PS, Naik V, Gokral JS, Meherji PK. Dyslipidemia with particular regard to apolipoprotein profile in association with polycystic ovary syndrome: a study among Indian women. *Int J Fertil Womens Med*. 2001 Sep-Oct;46(5):271-7. Available from: PubMed; PMID 11720200
- Mak W, Dokras A. Polycystic ovarian syndrome and the risk of cardiovascular disease and thrombosis. *Semin Thromb Hemost*. 2009 Oct;35(7):613-20. Available from: PubMed; PMID 20013528
- Mancini F, Cianciosi A, Reggiani GM, Facchinetti F, Battaglia C, de Aloysio D. Endothelial function and its relationship to leptin, homocysteine, and insulin resistance in lean and overweight eumenorrheic women and PCOS

patients: a pilot study. *Fertil Steril*. 2009 Jun;91(6):2537-44. Available from: PubMed; PMID 18462732

Mancini F, Cianciosi A, Persico N, Facchinetti F, Busacchi P, Battaglia C. Drospirenone and cardiovascular risk in lean and obese polycystic ovary syndrome patients: a pilot study. *Am J Obstet Gynecol*. 2010 Feb;202(2):169 e1-8. Available from: PubMed; PMID 19913778

Mandrelle K, Kamath MS, Bondu DJ, Chandy A, Aleyamma T, George K. Prevalence of metabolic syndrome in women with polycystic ovary syndrome attending an infertility clinic in a tertiary care hospital in south India. *J Hum Reprod Sci*. 2012 Jan;5(1):26-31. Available from: PubMed; PMID 22870011

Mani H, Levy MJ, Davies MJ, Morris DH, Gray LJ, Bankart J, Blackledge H, Khunti K, Howlett TA. Diabetes and cardiovascular events in women with polycystic ovary syndrome; a 20 years retrospective cohort study. *Clin Endocrinol (Oxf)*. 2012 Oct 9. Available from: PubMed; PMID 23046078

Manneras-Holm L, Leonhardt H, Kullberg J, Jennische E, Oden A, Holm G, Hellstrom M, Lonn L, Olivecrona G, Stener-Victorin E, Lonn M. Adipose tissue has aberrant morphology and function in PCOS: enlarged adipocytes and low serum adiponectin, but not circulating sex steroids, are strongly associated with insulin resistance. *J Clin Endocrinol Metab*. 2011 Feb;96(2):E304-11. Available from: PubMed; PMID 21084397

Marasinghe JP, Amarasinghe AA. Visceral fat mass as a marker of insulin resistance and metabolic disturbance in women with polycystic ovary syndrome. *BJOG*. 2007 Feb;114(2):235; author reply 6. Available from: PubMed; PMID 17305898

Marciniak A, Nawrocka-Rutkowska J, Brodowska A, Sienkiewicz R, Szydłowska I, Starczewski A. Leptin concentrations in patients with polycystic ovary syndrome before and after met-formin treatment depending on insulin resistance, body mass index and androgen concentrations--introductory report. *Folia Histochem Cytobiol*. 2009;47(2):323-8. Available from: PubMed; PMID 19995720

Marcondes JA, Hayashida SA, Barcellos CR, Rocha MP, Maciel GA, Baracat EC. Metabolic syndrome in women with polycystic ovary syndrome: prevalence, characteristics and predictors. *Arq Bras Endocrinol Metabol*. 2007 Aug;51(6):972-9. Available from: PubMed; PMID 17934665

Margolin E, Zhornitzki T, Kopernik G, Kogan S, Schattner A, Knobler H. Polycystic ovary syndrome in post-menopausal women--marker of the metabolic syndrome. *Maturitas*. 2005 Apr 11;50(4):331-6. Available from: PubMed; PMID 15780534

Marino JS, Iler J, Dowling AR, Chua S, Bruning JC, Coppari R, Hill JW. Adipocyte Dysfunction in a Mouse

Model of Polycystic Ovary Syndrome (PCOS): Evidence of Adipocyte Hypertrophy and Tissue-Specific Inflammation. *PLoS One*. 2012;7(10):e48643. Available from: PubMed; PMID 23119079

Mario FM, do Amarante F, Toscani MK, Spritzer PM. Lean Muscle Mass in Classic or Ovulatory PCOS: Association with Central Obesity and Insulin Resistance. *Exp Clin Endocrinol Diabetes*. 2012 Oct;120(9):511-6. Available from: PubMed; PMID 22576259

Marsh K, Brand-Miller J. The optimal diet for women with polycystic ovary syndrome? *Br J Nutr*. 2005 Aug;94(2):154-65. Available from: PubMed; PMID 16115348

Marsh KA, Steinbeck KS, Atkinson FS, Petocz P, Brand-Miller JC. Effect of a low glycemic index compared with a conventional healthy diet on polycystic ovary syndrome. *Am J Clin Nutr*. 2010 Jul;92(1):83-92. Available from: PubMed; PMID 20484445

Marshall JC. Obesity in adolescent girls: is excess androgen the real bad actor? *J Clin Endocrinol Metab*. 2006 Feb;91(2):393-5. Available from: PubMed; PMID 16461952

Marshall JC, Dunaif A. Should all women with PCOS be treated for insulin resistance? *Fertil Steril*. 2012 Jan;97(1):18-22. Available from: PubMed; PMID 22192137

Martinez-Bermejo E, Luque-Ramirez M, Escobar-Morreale HF. Obesity and the polycystic ovary syndrome. *Minerva Endocrinol*. 2007 Sep;32(3):129-40. Available from: PubMed; PMID 17912153

Martinez-Garcia MA, Luque-Ramirez M, San-Millan JL, Escobar-Morreale HF. Body iron stores and glucose intolerance in premenopausal women: role of hyperandrogenism, insulin resistance, and genomic variants related to inflammation, oxidative stress, and iron metabolism. *Diabetes Care*. 2009 Aug;32(8):1525-30. Available from: PubMed; PMID 19401444

Masi AT, Chrousos GP. Polycystic ovarian syndrome and rheumatoid arthritis: possible physiopathogenetic clues to hormonal influences on chronic inflammation. *Semin Arthritis Rheum*. 2003 Oct;33(2):67-71. Available from: PubMed; PMID 14625815

Mason H, Colao A, Blume-Peytavi U, Rice S, Qureshi A, Pellatt L, Orio F, Atkin SL. Polycystic ovary syndrome (PCOS) trilogy: a translational and clinical review. *Clin Endocrinol (Oxf)*. 2008 Dec;69(6):831-44. Available from: PubMed; PMID 18616705

Mather KJ, Kwan F, Corenblum B. Hyperinsulinemia in polycystic ovary syndrome correlates with increased cardiovascular risk independent of obesity. *Fertil Steril*. 2000 Jan;73(1):150-6. Available from: PubMed; PMID 10632431

Mather KJ, Verma S, Corenblum B, Anderson TJ. Normal endothelial function despite insulin resistance in healthy women with the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2000 May;85(5):1851-6. Available from: PubMed; PMID 10843164

McGowan MP. Polycystic ovary syndrome: a common endocrine disorder and risk factor for vascular disease. *Curr Treat Options Cardiovasc Med.* 2011 Aug;13(4):289-301. Available from: PubMed; PMID 21562798

Meden-Vrtovec H, Vrtovec B, Osredkar J. Metabolic and cardiovascular changes in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2007 Nov;99(2):87-90. Available from: PubMed; PMID 17900581

Mehrabian F, Khani B, Kelishadi R, Kermani N. The prevalence of metabolic syndrome and insulin resistance according to the phenotypic subgroups of polycystic ovary syndrome in a representative sample of Iranian females. *J Res Med Sci.* 2011 Jun;16(6):763-9. Available from: PubMed; PMID 22091305

Mellati AA, Sharifi F, Sajadinejad M, Sohrabi D, Mazloomzadeh S. The relationship between retinol-binding protein 4 levels, insulin resistance, androgen hormones and polycystic ovary syndrome. *Scand J Clin Lab Invest.* 2012 Feb;72(1):39-44. Available from: PubMed; PMID 22023042

Melo AS, Vieira CS, Romano LG, Ferriani RA, Navarro PA. The frequency of metabolic syndrome is higher among PCOS Brazilian women with menstrual irregularity plus hyperandrogenism. *Reprod Sci.* 2011 Dec;18(12):1230-6. Available from: PubMed; PMID 22096008

Meyer MF, Gerresheim F, Pfeiffer A, Epplen JT, Schatz H. Association of polycystic ovary syndrome with an interstitial deletion of the long arm of chromosome 11. *Exp Clin Endocrinol Diabetes.* 2000;108(8):519-23. Available from: PubMed; PMID 11149629

Meyer C, McGrath BP, Cameron J, Kotsopoulos D, Teede HJ. Vascular dysfunction and metabolic parameters in polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Aug;90(8):4630-5. Available from: PubMed; PMID 15870132

Meyer C, McGrath BP, Teede HJ. Overweight women with polycystic ovary syndrome have evidence of subclinical cardiovascular disease. *J Clin Endocrinol Metab.* 2005 Oct;90(10):5711-6. Available from: PubMed; PMID 16046590

Meyer C, Talbot M, Teede H. Effect of Implanon on insulin resistance in women with Polycystic Ovary Syndrome. *Aust N Z J Obstet Gynaecol.* 2005 Apr;45(2):155-8. Available from: PubMed; PMID 15760320

Meyer C, McGrath BP, Teede HJ. Effects of medical therapy on insulin resistance and the cardiovascular system in polycystic ovary syndrome. *Diabetes Care.* 2007 Mar;30(3):471-8. Available from: PubMed; PMID 17327307

Mlinar B, Pfeifer M, Vrtacnik-Bokal E, Jensterle M, Marc J. Decreased lipin 1 beta expression in visceral adipose tissue is associated with insulin resistance in polycystic ovary syndrome. *Eur J Endocrinol.* 2008 Dec;159(6):833-9. Available from: PubMed; PMID 18829900

Mohamadin AM, Habib FA, Al-Saggaf AA. Cardiovascular disease markers in women with polycystic ovary syndrome with emphasis on asymmetric dimethylarginine and homocysteine. *Ann Saudi Med.* 2010 Jul-Aug;30(4):278-83. Available from: PubMed; PMID 20622344

Mohlig M, Spranger J, Osterhoff M, Ristow M, Pfeiffer AF, Schill T, Schlosser HW, Brabant G, Schofl C. The polycystic ovary syndrome per se is not associated with increased chronic inflammation. *Eur J Endocrinol.* 2004 Apr;150(4):525-32. Available from: PubMed; PMID 15080783

Mohlig M, Jurgens A, Spranger J, Hoffmann K, Weickert MO, Schlosser HW, Schill T, Brabant G, Schuring A, Pfeiffer AF, Gromoll J, Schofl C. The androgen receptor CAG repeat modifies the impact of testosterone on insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2006 Jul;155(1):127-30. Available from: PubMed; PMID 16793958

Mohlig M, Weickert MO, Ghadamgadi E, Machlitt A, Pfuller B, Arafat AM, Pfeiffer AF, Schofl C. Adipocyte fatty acid-binding protein is associated with markers of obesity, but is an unlikely link between obesity, insulin resistance, and hyperandrogenism in polycystic ovary syndrome women. *Eur J Endocrinol.* 2007 Aug;157(2):195-200. Available from: PubMed; PMID 17656598

Mohlig M, Weickert MO, Ghadamgahi E, Arafat AM, Spranger J, Pfeiffer AF, Schofl C. Retinol-binding protein 4 is associated with insulin resistance, but appears unsuited for metabolic screening in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2008 Apr;158(4):517-23. Available from: PubMed; PMID 18362299

Moini A, Eslami B. Familial associations between polycystic ovarian syndrome and common diseases. *J Assist Reprod Genet.* 2009 Mar;26(2-3):123-7. Available from: PubMed; PMID 19205868

Moradi S, Mollabashi M, Kerman SR. Relation between C-reactive protein and body mass index in patients with polycystic ovarian syndrome. *Gynecol Endocrinol.* 2011 Jul;27(7):480-5. Available from: PubMed; PMID 20836727

Moran C, Garcia-Hernandez E, Barahona E, Gonzalez S, Bermudez JA. Relationship between insulin resistance and gonadotropin dissociation in obese and nonobese women

- with polycystic ovary syndrome. *Fertil Steril*. 2003 Dec;80(6):1466-72. Available from: PubMed; PMID 14667885
- Moran LJ, Noakes M, Clifton PM, Norman RJ, Fenech MF. Genome instability is increased in lymphocytes of women with polycystic ovary syndrome and is correlated with insulin resistance. *Mutat Res*. 2008 Mar 1;639(1-2):55-63. Available from: PubMed; PMID 18178226
- Moran L, Teede H. Metabolic features of the reproductive phenotypes of polycystic ovary syndrome. *Hum Reprod Update*. 2009 Jul-Aug;15(4):477-88. Available from: PubMed; PMID 19279045
- Moran LJ, Hutchison SK, Meyer C, Zoungas S, Teede HJ. A comprehensive assessment of endothelial function in overweight women with and without polycystic ovary syndrome. *Clin Sci (Lond)*. 2009 May;116(10):761-70. Available from: PubMed; PMID 18851710
- Moran LJ, Meyer C, Hutchison SK, Zoungas S, Teede HJ. Novel inflammatory markers in overweight women with and without polycystic ovary syndrome and following pharmacological intervention. *J Endocrinol Invest*. 2010 Apr;33(4):258-65. Available from: PubMed; PMID 19834313
- Moran LJ, Misso ML, Wild RA, Norman RJ. Impaired glucose tolerance, type 2 diabetes and metabolic syndrome in polycystic ovary syndrome: a systematic review and meta-analysis. *Hum Reprod Update*. 2010 Jul-Aug;16(4):347-63. Available from: PubMed; PMID 20159883
- Moran LJ, Noakes M, Clifton PM, Norman RJ. The effect of modifying dietary protein and carbohydrate in weight loss on arterial compliance and postprandial lipidemia in overweight women with polycystic ovary syndrome. *Fertil Steril*. 2010 Nov;94(6):2451-4. Available from: PubMed; PMID 20385380
- Moran LJ, Cameron JD, Strauss BJ, Teede HJ. Vascular function in the diagnostic categories of polycystic ovary syndrome. *Hum Reprod*. 2011 Aug;26(8):2192-9. Available from: PubMed; PMID 21616917
- Moran LJ, Noakes M, Wittert GA, Clifton PM, Norman RJ. Weight loss and vascular inflammatory markers in overweight women with and without polycystic ovary syndrome. *Reprod Biomed Online*. 2012 Nov;25(5):500-3. Available from: PubMed; PMID 22995747
- Morgante G, Orvieto R, Di Sabatino A, Musacchio MC, De Leo V. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):2642-4. Available from: PubMed; PMID 21300338
- Moro F, Morciano A, Tropea A, Sagnella F, Palla C, Scarinci E, Cosentino N, Niccoli G, Liuzzo G, Crea F, Lanzone A, Apa R. CD4(+)CD28(null) T lymphocyte frequency, a new marker of cardiovascular risk: relationship with polycystic ovary syndrome phenotypes. *Fertil Steril*. 2012 Sep 7. Available from: PubMed; PMID 22963806
- Motta AB. Report of the international symposium: polycystic ovary syndrome: first Latin-American consensus. *Int J Clin Pract*. 2010 Apr;64(5):544-57. Available from: PubMed; PMID 20456209
- Mueller A, Schofl C, Dittrich R, Cupisti S, Oppelt PG, Schild RL, Beckmann MW, Haberland L. Thyroid-stimulating hormone is associated with insulin resistance independently of body mass index and age in women with polycystic ovary syndrome. *Hum Reprod*. 2009 Nov;24(11):2924-30. Available from: PubMed; PMID 19654109
- Mukherjee S, Shaikh N, Khavale S, Shinde G, Meherji P, Shah N, Maitra A. Genetic variation in exon 17 of INSR is associated with insulin resistance and hyperandrogenemia among lean Indian women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 May;160(5):855-62. Available from: PubMed; PMID 19211708
- Mukherjee S, Maitra A. Molecular & genetic factors contributing to insulin resistance in polycystic ovary syndrome. *Indian J Med Res*. 2010 Jun;131:743-60. Available from: PubMed; PMID 20571162
- Muneyirci-Delale O, Nacharaju VL, Dalloul M, Jalou S, Rahman M, Altura BM, Altura BT. Divalent cations in women with PCOS: implications for cardiovascular disease. *Gynecol Endocrinol*. 2001 Jun;15(3):198-201. Available from: PubMed; PMID 11447731
- Munson BL. Myths and facts...about polycystic ovarian syndrome. *Nursing*. 2002 Nov;32(11 Pt 1):78. Available from: PubMed; PMID 12518752
- Murray R. Polycystic ovary syndrome, obesity and insulin resistance: the new female triad. *Adv Nurse Pract*. 2004 Aug;12(8):22-35; quiz 6. Available from: PubMed; PMID 15354503
- Muscogiuri G, Policola C, Prioletta A, Sorice G, Mezza T, Lassandro A, Della Casa S, Pontecorvi A, Giaccari A. Low levels of 25(OH)D and insulin-resistance: 2 unrelated features or a cause-effect in PCOS? *Clin Nutr*. 2012 Aug;31(4):476-80. Available from: PubMed; PMID 22260937
- Muthukrishnan J, Harikumar KV, Modi KD. Re: Premicroalbuminuria in polycystic ovary syndrome. *Endocr Pract*. 2008 Jul-Aug;14(5):648-9; author reply 9. Available from: PubMed; PMID 18756626
- Nacul AP, Andrade CD, Schwarz P, de Bittencourt PI, Jr., Spritzer PM. Nitric oxide and fibrinogen in polycystic ovary syndrome: associations with insulin resistance and obesity. *Eur J Obstet Gynecol Reprod Biol*. 2007

Aug;133(2):191-6. Available from: PubMed; PMID 17049715

Nafiye Y, Sevtap K, Muammer D, Emre O, Senol K, Leyla M. The effect of serum and intrafollicular insulin resistance parameters and homocysteine levels of nonobese, nonhyperandrogenemic polycystic ovary syndrome patients on in vitro fertilization outcome. *Fertil Steril*. 2010 Apr;93(6):1864-9. Available from: PubMed; PMID 19171332

Naka KK, Kalantaridou SN, Kravariti M, Bechlioulis A, Kazakos N, Calis KA, Makrigiannakis A, Katsouras CS, Chrousos GP, Tsatsoulis A, Michalis LK. Effect of the insulin sensitizers metformin and pioglitazone on endothelial function in young women with polycystic ovary syndrome: a prospective randomized study. *Fertil Steril*. 2011 Jan;95(1):203-9. Available from: PubMed; PMID 20684955

Nakamura A, Shimizu C, Nagai S, Taniguchi S, Umetsu M, Atsumi T, Wada N, Yoshioka N, Ono Y, Sasano H, Koike T. Unilateral adrenalectomy improves insulin resistance and polycystic ovaries in a middle-aged woman with virilizing adrenocortical adenoma complicated with Cushing's syndrome. *J Endocrinol Invest*. 2007 Jan;30(1):65-9. Available from: PubMed; PMID 17318025

Nakatsuka M. Response to comment on 'Increased arterial stiffness in mildly-hypertensive women with polycystic ovary syndrome'. *J Obstet Gynaecol Res*. 2012 Mar;38(3):613. Available from: PubMed; PMID 22353191

Nandalike K, Strauss T, Agarwal C, Coupey SM, Sin S, Rajpathak S, Cohen HW, Arens R. Screening for sleep-disordered breathing and excessive daytime sleepiness in adolescent girls with polycystic ovarian syndrome. *J Pediatr*. 2011 Oct;159(4):591-6. Available from: PubMed; PMID 21645911

Nardo LG, Yates AP, Roberts SA, Pemberton P, Laing I. The relationships between AMH, androgens, insulin resistance and basal ovarian follicular status in non-obese subfertile women with and without polycystic ovary syndrome. *Hum Reprod*. 2009 Nov;24(11):2917-23. Available from: PubMed; PMID 19617605

Narsing Rao L, Jacob JJ, Paul TV, Rajarathinam S, Thomas N, Seshadri MS. Effects of pioglitazone on menstrual frequency, hyperandrogenism and insulin resistance in adolescents and young adults with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2009 Apr;22(2):91-5. Available from: PubMed; PMID 19345914

Nawaz FH, Rizvi J. Continuation of metformin reduces early pregnancy loss in obese Pakistani women with polycystic ovarian syndrome. *Gynecol Obstet Invest*. 2010;69(3):184-9. Available from: PubMed; PMID 20029224

Nawrocka J, Starczewski A. Effects of metformin treatment in women with polycystic ovary syndrome depends on

insulin resistance. *Gynecol Endocrinol*. 2007 Apr;23(4):231-7. Available from: PubMed; PMID 17505944

Nazli Y, Colak N, Aksoy ON, Cakir O. Thyroid vein thrombosis in a young woman with methylenetetrahydrofolate reductase gene mutation receiving cyproterone acetate/ethinylestradiol treatment for polycystic ovary syndrome: a case report. *Blood Coagul Fibrinolysis*. 2011 Jun;22(4):331-3. Available from: PubMed; PMID 21415709

Nestler JE. Insulin resistance syndrome and polycystic ovary syndrome. *Endocr Pract*. 2003 Sep-Oct;9 Suppl 2:86-9. Available from: PubMed; PMID 14698983

Nestler JE. The Androgen Excess Society guidelines on glucose intolerance in the polycystic ovary syndrome: what do they mean and what should we do? *Pol Arch Med Wewn*. 2008 May;118(5):264-6. Available from: PubMed; PMID 18619175

Ni RM, Mo Y, Chen X, Zhong J, Liu W, Yang D. Low prevalence of the metabolic syndrome but high occurrence of various metabolic disorders in Chinese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Sep;161(3):411-8. Available from: PubMed; PMID 19542239

Niccoli G, Apa R, Lanzone A, Liuzzo G, Spaziani C, Sagnella F, Cosentino N, Moro F, Martinez D, Morciano A, Baca M, Pazzano V, Gangale MF, Tropea A, Crea F. CD4+CD28 null T lymphocytes are expanded in young women with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun 30;95(8):2651-4. Available from: PubMed; PMID 21324454

Nordio M, Proietti E. The combined therapy with myo-inositol and D-chiro-inositol reduces the risk of metabolic disease in PCOS overweight patients compared to myo-inositol supplementation alone. *Eur Rev Med Pharmacol Sci*. 2012 May;16(5):575-81. Available from: PubMed; PMID 22774396

Norman RJ, Kidson WJ, Cuneo RC, Zacharin MR. Metformin and intervention in polycystic ovary syndrome. Endocrine Society of Australia, the Australian Diabetes Society and the Australian Paediatric Endocrine Group. *Med J Aust*. 2001 Jun 4;174(11):580-3. Available from: PubMed; PMID 11453331

Noyan V, Yucel A, Sagsoz N. The association of bone mineral density with insulin resistance in patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2004 Aug 10;115(2):200-5. Available from: PubMed; PMID 15262356

O'Brien RF, Emans SJ. Polycystic ovary syndrome in adolescents. *J Pediatr Adolesc Gynecol*. 2008 Jun;21(3):119-28. Available from: PubMed; PMID 18549963

- O'Connor A, Phelan N, Tun TK, Boran G, Gibney J, Roche HM. High-molecular-weight adiponectin is selectively reduced in women with polycystic ovary syndrome independent of body mass index and severity of insulin resistance. *J Clin Endocrinol Metab.* 2010 Mar;95(3):1378-85. Available from: PubMed; PMID 20080859
- Oh JY, Lee JA, Lee H, Oh JY, Sung YA, Chung H. Serum C-reactive protein levels in normal-weight polycystic ovary syndrome. *Korean J Intern Med.* 2009 Dec;24(4):350-5. Available from: PubMed; PMID 19949734
- Oh JY, Sung YA, Lee HJ, Oh JY, Chung HW, Park H. Optimal waist circumference for prediction of metabolic syndrome in young Korean women with polycystic ovary syndrome. *Obesity (Silver Spring).* 2010 Mar;18(3):593-7. Available from: PubMed; PMID 19763092
- Ohgi S, Nakagawa K, Kojima R, Ito M, Horikawa T, Saito H. Insulin resistance in oligomenorrheic infertile women with non-polycystic ovary syndrome. *Fertil Steril.* 2008 Aug;90(2):373-7. Available from: PubMed; PMID 17923132
- Ojaniemi M, Tapanainen P, Morin-Papunen L. Management of polycystic ovary syndrome in childhood and adolescence. *Horm Res Paediatr.* 2010;74(5):372-5. Available from: PubMed; PMID 20861609
- Oktem M, Ozcimen EE, Uckuyu A, Esinler I, Pamuk B, Bayraktar N, Kulaksizoglu S, Zeyneloglu HB. Polycystic ovary syndrome is associated with elevated plasma soluble CD40 ligand, a marker of coronary artery disease. *Fertil Steril.* 2009 Jun;91(6):2545-50. Available from: PubMed; PMID 18554599
- Olszanecka-Glinianowicz M, Banas M, Zahorska-Markiewicz B, Janowska J, Kocelak P, Madej P, Klimek K. Is the polycystic ovary syndrome associated with chronic inflammation per se? *Eur J Obstet Gynecol Reprod Biol.* 2007 Aug;133(2):197-202. Available from: PubMed; PMID 17224231
- Olszanecka-Glinianowicz M, Zahorska-Markiewicz B, Kocelak P, Janowska J, Semik-Grabarczyk E. The effect of weight loss on inflammation in obese women with polycystic ovary syndrome. *Endokrynol Pol.* 2008 Jan-Feb;59(1):13-7. Available from: PubMed; PMID 18335395
- Olszanecka-Glinianowicz M, Kuglin D, Dabkowska-Huc A, Skalba P. Serum adiponectin and resistin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jan;154(1):51-6. Available from: PubMed; PMID 20889251
- Oner G, Muderris, II. Clinical, endocrine and metabolic effects of metformin vs N-acetyl-cysteine in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):127-31. Available from: PubMed; PMID 21831508
- Orbetzova MM, Shigarminova RG, Genchev GG, Milcheva BA, Lozanov LB, Genov NS, Zacharieva SZ. Role of 24-hour monitoring in assessing blood pressure changes in polycystic ovary syndrome. *Folia Med (Plovdiv).* 2003;45(3):21-5. Available from: PubMed; PMID 15366662
- Orio F, Jr., Palomba S, Cascella T, Tauchmanova L, Nardo LG, Di Biase S, Labella D, Russo T, Savastano S, Tolino A, Zullo F, Colao A, Lombardi G. Is plasminogen activator inhibitor-1 a cardiovascular risk factor in young women with polycystic ovary syndrome? *Reprod Biomed Online.* 2004 Nov;9(5):505-10. Available from: PubMed; PMID 15588467
- Orio F, Jr., Palomba S, Spinelli L, Cascella T, Tauchmanova L, Zullo F, Lombardi G, Colao A. The cardiovascular risk of young women with polycystic ovary syndrome: an observational, analytical, prospective case-control study. *J Clin Endocrinol Metab.* 2004 Aug;89(8):3696-701. Available from: PubMed; PMID 15292291
- Orio F, Jr., Palomba S, Cascella T, De Simone B, Manguso F, Savastano S, Russo T, Tolino A, Zullo F, Lombardi G, Azziz R, Colao A. Improvement in endothelial structure and function after metformin treatment in young normal-weight women with polycystic ovary syndrome: results of a 6-month study. *J Clin Endocrinol Metab.* 2005 Nov;90(11):6072-6. Available from: PubMed; PMID 16118336
- Orio F, Jr., Palomba S, Cascella T, Di Biase S, Manguso F, Tauchmanova L, Nardo LG, Labella D, Savastano S, Russo T, Zullo F, Colao A, Lombardi G. The increase of leukocytes as a new putative marker of low-grade chronic inflammation and early cardiovascular risk in polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Jan;90(1):2-5. Available from: PubMed; PMID 15483098
- Orio F, Palomba S, Colao A. Cardiovascular risk in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S20-1. Available from: PubMed; PMID 16798279
- Orio F, Jr., Palomba S, Giallauria F, Colao A, Vigorito C. Impaired cardiopulmonary parameters in young women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2007 Jan;66(1):152-3. Available from: PubMed; PMID 17201818
- Orio F, Vuolo L, Palomba S, Lombardi G, Colao A. Metabolic and cardiovascular consequences of polycystic ovary syndrome. *Minerva Ginecol.* 2008 Feb;60(1):39-51. Available from: PubMed; PMID 18277351
- Ortega-Gonzalez C, Luna S, Hernandez L, Crespo G, Aguayo P, Arteaga-Troncoso G, Parra A. Responses of serum androgen and insulin resistance to metformin and pioglitazone in obese, insulin-resistant women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Mar;90(3):1360-5. Available from: PubMed; PMID 15598674



Ovalle F, Azziz R. Insulin resistance, polycystic ovary syndrome, and type 2 diabetes mellitus. *Fertil Steril*. 2002 Jun;77(6):1095-105. Available from: PubMed; PMID 12057712

Ozcaka O, Ozturk Ceyhan B, Akcali A, Bicakci N, Lappin DF, Buduneli N. Is there an Interaction Between Polycystic Ovary Syndrome and Gingival Inflammation? *J Periodontol*. 2012 Apr 17. Available from: PubMed; PMID 22509751

Ozdemir S, Ozdemir M, Gorkemli H, Kiyici A, Bodur S. Specific dermatologic features of the polycystic ovary syndrome and its association with biochemical markers of the metabolic syndrome and hyperandrogenism. *Acta Obstet Gynecol Scand*. 2010;89(2):199-204. Available from: PubMed; PMID 19900078

Pagotto U, Gambineri A, Vicennati V, Heiman ML, Tschop M, Pasquali R. Plasma ghrelin, obesity, and the polycystic ovary syndrome: correlation with insulin resistance and androgen levels. *J Clin Endocrinol Metab*. 2002 Dec;87(12):5625-9. Available from: PubMed; PMID 12466363

Palep-Singh M, Picton HM, Barth JH, Balen AH. Ethnic variations in the distribution of obesity and biochemical metabolic abnormalities in fertility clinic attendees. *J Reprod Med*. 2008 Feb;53(2):117-23. Available from: PubMed; PMID 18357803

Palomba S, Falbo A, Zullo F, Orto F, Jr. Evidence-based and potential benefits of metformin in the polycystic ovary syndrome: a comprehensive review. *Endocr Rev*. 2009 Feb;30(1):1-50. Available from: PubMed; PMID 19056992

Pandolfi C, Zugaro A, Lattanzio F, Necozone S, Barbonetti A, Colangeli MS, Francavilla S, Francavilla F. Low birth weight and later development of insulin resistance and biochemical/clinical features of polycystic ovary syndrome. *Metabolism*. 2008 Jul;57(7):999-1004. Available from: PubMed; PMID 18555843

Pangaribuan B, Yusuf I, Mansyur M, Wijaya A. Serum adiponectin and resistin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Ther Adv Endocrinol Metab*. 2011 Dec;2(6):235-45. Available from: PubMed; PMID 23148188

Panidis D, Rousso D, Koliakos G, Kourtis A, Katsikis I, Farmakiotis D, Votsi E, Diamanti-Kandarakis E. Plasma metastatin levels are negatively correlated with insulin resistance and free androgens in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jun;85(6):1778-83. Available from: PubMed; PMID 16650418

Panidis D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Krassas G. Obesity, weight loss, and the polycystic ovary syndrome: effect of treatment with diet and orlistat for 24 weeks on insulin resistance and androgen levels. *Fertil*

*Steril*. 2008 Apr;89(4):899-906. Available from: PubMed; PMID 17980364

Panidis D, Macut D, Tziomalos K, Papadakis E, Mikhailidis K, Kandarakis EA, Tsourdi EA, Tantanasis T, Mavromatidis G, Katsikis I. Prevalence of metabolic syndrome in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Aug 13. Available from: PubMed; PMID 22888988

Panidis D, Tziomalos K, Misichronis G, Papadakis E, Betsas G, Katsikis I, Macut D. Insulin resistance and endocrine characteristics of the different phenotypes of polycystic ovary syndrome: a prospective study. *Hum Reprod*. 2012 Feb;27(2):541-9. Available from: PubMed; PMID 22144419

Pantasri T, Vutyavanich T, Sreshthaputra O, Srisupundit K, Piromlertamorn W. Metabolic syndrome and insulin resistance in Thai women with polycystic ovary syndrome. *J Med Assoc Thai*. 2010 Apr;93(4):406-12. Available from: PubMed; PMID 20462081

Park KH, Kim JY, Ahn CW, Song YD, Lim SK, Lee HC. Polycystic ovarian syndrome (PCOS) and insulin resistance. *Int J Gynaecol Obstet*. 2001 Sep;74(3):261-7. Available from: PubMed; PMID 11543750

Park HR, Choi Y, Lee HJ, Oh JY, Hong YS, Sung YA. The metabolic syndrome in young Korean women with polycystic ovary syndrome. *Diabetes Res Clin Pract*. 2007 Sep;77 Suppl 1:S243-6. Available from: PubMed; PMID 17610984

Park HT, Cho GJ, Ahn KH, Shin JH, Kim YT, Hur JY, Kim SH, Lee KW, Kim T. Association of insulin resistance with anti-Mullerian hormone levels in women without polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2010 Jan;72(1):26-31. Available from: PubMed; PMID 19438903

Parsanezhad ME, Alborzi S, Zarei A, Dehbashi S, Omrani G. Insulin resistance in clomiphene responders and non-responders with polycystic ovarian disease and therapeutic effects of metformin. *Int J Gynaecol Obstet*. 2001 Oct;75(1):43-50. Available from: PubMed; PMID 11597618

Pasquali R, Gambineri A. Role of changes in dietary habits in polycystic ovary syndrome. *Reprod Biomed Online*. 2004 Apr;8(4):431-9. Available from: PubMed; PMID 15149567

Pasquali R, Patton L, Pagotto U, Gambineri A. Metabolic alterations and cardiovascular risk factors in the polycystic ovary syndrome. *Minerva Ginecol*. 2005 Feb;57(1):79-85. Available from: PubMed; PMID 15758867

Pasquali R, Gambineri A. Insulin-sensitizing agents in polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Jun;154(6):763-75. Available from: PubMed; PMID 16728533

- Patel SM, Nestler JE. Fertility in polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2006 Mar;35(1):137-55, vii. Available from: PubMed; PMID 16310646
- Patel AA, Bloomgarden ZT, Futterweit W. Premicroalbuminuria in women with polycystic ovary syndrome: a metabolic risk marker. *Endocr Pract*. 2008 Mar;14(2):193-200. Available from: PubMed; PMID 18308657
- Pauli JM, Raja-Khan N, Wu X, Legro RS. Current perspectives of insulin resistance and polycystic ovary syndrome. *Diabet Med*. 2011 Dec;28(12):1445-54. Available from: PubMed; PMID 21950959
- Pehlivanov B, Orbetzova M. Characteristics of different phenotypes of polycystic ovary syndrome in a Bulgarian population. *Gynecol Endocrinol*. 2007 Oct;23(10):604-9. Available from: PubMed; PMID 17852429
- Pehlivanov B, Mitkov M. Serum leptin levels correlate with clinical and biochemical indices of insulin resistance in women with polycystic ovary syndrome. *Eur J Contracept Reprod Health Care*. 2009 Apr;14(2):153-9. Available from: PubMed; PMID 19340711
- Pepene CE, Ilie IR, Marian I, Duncea I. Circulating osteoprotegerin and soluble receptor activator of nuclear factor kappaB ligand in polycystic ovary syndrome: relationships to insulin resistance and endothelial dysfunction. *Eur J Endocrinol*. 2011 Jan;164(1):61-8. Available from: PubMed; PMID 20974706
- Perciaccante A, Fiorentini A. Insulin resistance may be involved in relationship between cardiac autonomic dysfunction and polycystic ovary syndrome. *Ann Noninvasive Electrocardiol*. 2007 Oct;12(4):388. Available from: PubMed; PMID 17970965
- Perciaccante A, Fiorentini A, Valente R, Tubani L. Polycystic ovary syndrome: androgens, autonomic nervous system, and hypertension. *Hypertension*. 2007 Jul;50(1):e7; author reply e8. Available from: PubMed; PMID 17470712
- Perciaccante A. Insulin resistance as link between polycystic ovary syndrome and cardiovascular autonomic dysfunction. *Int J Cardiol*. 2009 Jul 10;135(3):e78-9. Available from: PubMed; PMID 18639353
- Pfeifer SM, Kives S. Polycystic ovary syndrome in the adolescent. *Obstet Gynecol Clin North Am*. 2009 Mar;36(1):129-52. Available from: PubMed; PMID 19344852
- Phelan N, O'Connor A, Kyaw Tun T, Correia N, Boran G, Roche H, Gibney J. Leukocytosis in women with polycystic ovary syndrome (PCOS) is incompletely explained by obesity and insulin resistance. *Clin Endocrinol (Oxf)*. 2012 Jun 20. Available from: PubMed; PMID 22712547
- Pirwany IR, Fleming R, Greer IA, Packard CJ, Sattar N. Lipids and lipoprotein subfractions in women with PCOS: relationship to metabolic and endocrine parameters. *Clin Endocrinol (Oxf)*. 2001 Apr;54(4):447-53. Available from: PubMed; PMID 11318779
- Pirwany I, Tulandi T. Laparoscopic treatment of polycystic ovaries: is it time to relinquish the procedure? *Fertil Steril*. 2003 Aug;80(2):241-51. Available from: PubMed; PMID 12909478
- Posker SM. Polycystic ovary syndrome and insulin resistance. *Med Health R I*. 2003 Jan;86(1):12-5. Available from: PubMed; PMID 12633015
- Popovska-Dimova Z, Krstevska B. The frequency of insulin resistance calculated upon the basis of a fasting glucose to insulin ratio and characteristics of insulin resistant women with polycystic ovary syndrome. *Prilozi*. 2006 Jul;27(1):87-95. Available from: PubMed; PMID 16985482
- Puder JJ, Muller B, Keller U. Letter re: The biological variation of testosterone and sex hormone-binding globulin (SHBG) in polycystic ovarian syndrome: implications for SHBG as a surrogate marker of insulin resistance. *J Clin Endocrinol Metab*. 2005 Jul;90(7):4419-20. Available from: PubMed; PMID 16002415
- Puder JJ, Varga S, Kraenzlin M, De Geyter C, Keller U, Muller B. Central fat excess in polycystic ovary syndrome: relation to low-grade inflammation and insulin resistance. *J Clin Endocrinol Metab*. 2005 Nov;90(11):6014-21. Available from: PubMed; PMID 16105965
- Puurunen J, Piltonen T, Morin-Papunen L, Perheentupa A, Jarvela I, Ruokonen A, Tapanainen JS. Unfavorable hormonal, metabolic, and inflammatory alterations persist after menopause in women with PCOS. *J Clin Endocrinol Metab*. 2011 Jun;96(6):1827-34. Available from: PubMed; PMID 21450988
- Quint EH. Hirsutism and adnexal masses in a teenager. *J Pediatr Adolesc Gynecol*. 2002 Dec;15(5):319-21. Available from: PubMed; PMID 12547664
- Rabelo Acevedo M, Vick MR. Association between the polycystic ovary syndrome and the metabolic syndrome in Puerto Rico. *P R Health Sci J*. 2005 Sep;24(3):203-6. Available from: PubMed; PMID 16329683
- Rachmiel M, Kives S, Atenafu E, Hamilton J. Primary amenorrhea as a manifestation of polycystic ovarian syndrome in adolescents: a unique subgroup? *Arch Pediatr Adolesc Med*. 2008 Jun;162(6):521-5. Available from: PubMed; PMID 18524741
- Rachon D, Teede H. Ovarian function and obesity--interrelationship, impact on women's reproductive lifespan and treatment options. *Mol Cell Endocrinol*. 2010 Mar

25;316(2):172-9. Available from: PubMed; PMID 19818376

Radakovic B, Goldstajn MS. MTHFR C 677T mutation and 4G/5G PAI-1 polymorphism in patient with polycystic ovarian syndrome. *Coll Antropol.* 2007 Sep;31(3):919-21. Available from: PubMed; PMID 18041407

Rahimi-Ardabili H, Pourghassem Gargari B, Farzadi L. Effects of vitamin D on cardiovascular disease risk factors in polycystic ovary syndrome women with vitamin D deficiency. *J Endocrinol Invest.* 2012 Mar 22. Available from: PubMed; PMID 22453059

Rahmanpour H, Jamal L, Mousavinasab SN, Esmailzadeh A, Azarkhish K. Association between polycystic ovarian syndrome, overweight, and metabolic syndrome in adolescents. *J Pediatr Adolesc Gynecol.* 2012 Jun;25(3):208-12. Available from: PubMed; PMID 22578482

Rajagopal G, Reddy AP, Venkata Harinarayan C, Suresh V, Bitla A, S PVLNR, Sachan A. Effect of lifestyle modification and metformin therapy on emerging cardiovascular risk factors in overweight Indian women with polycystic ovary syndrome. *Metab Syndr Relat Disord.* 2012 Aug;10(4):273-9. Available from: PubMed; PMID 22468948

Raja-Khan N, Kunselman AR, Hogeman CS, Stetter CM, Demers LM, Legro RS. Effects of atorvastatin on vascular function, inflammation, and androgens in women with polycystic ovary syndrome: a double-blind, randomized, placebo-controlled trial. *Fertil Steril.* 2011 Apr;95(5):1849-52. Available from: PubMed; PMID 21144505

Raja-Khan N, Shuja SA, Kunselman AR, Hogeman CS, Demers LM, Gnatuk CL, Legro RS. Brachial artery conductance during reactive hyperemia is increased in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Mar;155(1):49-53. Available from: PubMed; PMID 21112136

Rajkhowa M, Glass MR, Rutherford AJ, Michelmore K, Balen AH. Polycystic ovary syndrome: a risk factor for cardiovascular disease? *BJOG.* 2000 Jan;107(1):11-8. Available from: PubMed; PMID 10645855

Rajkhowa M, Brett S, Cuthbertson DJ, Lipina C, Ruiz-Alcaraz AJ, Thomas GE, Logie L, Petrie JR, Sutherland C. Insulin resistance in polycystic ovary syndrome is associated with defective regulation of ERK1/2 by insulin in skeletal muscle in vivo. *Biochem J.* 2009 Mar 15;418(3):665-71. Available from: PubMed; PMID 19053948

Rashidi B, Abediasl J, Tehraninejad E, Rahmanpour H, Sills ES. Simvastatin effects on androgens, inflammatory mediators, and endogenous pituitary gonadotropins among patients with PCOS undergoing IVF: results from a prospective, randomized, placebo-controlled clinical trial. *J*

*Investig Med.* 2011 Aug;59(6):912-6. Available from: PubMed; PMID 21527854

Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Effects of metformin and ethinyl estradiol-cyproterone acetate on lipid levels in obese and non-obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2005 Feb;152(2):269-75. Available from: PubMed; PMID 15745936

Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Rosiglitazone treatment alleviates inflammation and improves liver function in overweight women with polycystic ovary syndrome: a randomized placebo-controlled study. *Fertil Steril.* 2007 Jan;87(1):202-6. Available from: PubMed; PMID 17074328

Reckelhoff JF. Polycystic ovary syndrome: androgens and hypertension. *Hypertension.* 2007 Jun;49(6):1220-1. Available from: PubMed; PMID 17389256

Remsberg KE, Talbott EO, Zborowski JV, Evans RW, McHugh-Pemu K. Evidence for competing effects of body mass, hyperinsulinemia, insulin resistance, and androgens on leptin levels among lean, overweight, and obese women with polycystic ovary syndrome. *Fertil Steril.* 2002 Sep;78(3):479-86. Available from: PubMed; PMID 12215321

Repaci A, Gambineri A, Pasquali R. The role of low-grade inflammation in the polycystic ovary syndrome. *Mol Cell Endocrinol.* 2011 Mar 15;335(1):30-41. Available from: PubMed; PMID 20708064

Rey-Roldan E, Perez Lana MB, Galluzzo L, Blanco G, Onetto C, Straminsky V, Nolting MP. Is the polycystic ovary syndrome the causative of the increase in inflammatory markers and metabolic risk? *Gynecol Endocrinol.* 2012 Nov 2. Available from: PubMed; PMID 23116196

Rizzo M, Berneis K, Carmina E, Rini GB. How should we manage atherogenic dyslipidemia in women with polycystic ovary syndrome? *Am J Obstet Gynecol.* 2008 Jan;198(1):28 e1-5. Available from: PubMed; PMID 18166299

Rizzo M, Berneis K, Hersberger M, Pepe I, Di Fede G, Rini GB, Spinass GA, Carmina E. Milder forms of atherogenic dyslipidemia in ovulatory versus anovulatory polycystic ovary syndrome phenotype. *Hum Reprod.* 2009 Sep;24(9):2286-92. Available from: PubMed; PMID 19454589

Rizzo M, Berneis K, Spinass G, Rini GB, Carmina E. Long-term consequences of polycystic ovary syndrome on cardiovascular risk. *Fertil Steril.* 2009 Apr;91(4 Suppl):1563-7. Available from: PubMed; PMID 18976752

Rizzo M, Longo RA, Guastella E, Rini GB, Carmina E. Assessing cardiovascular risk in Mediterranean women with polycystic ovary syndrome. *J Endocrinol Invest.* 2011

Jun;34(6):422-6. Available from: PubMed; PMID 20959718

Rocha MP, Marcondes JA, Barcellos CR, Hayashida SA, Curi DD, da Fonseca AM, Bagnoli VR, Baracat EC. Dyslipidemia in women with polycystic ovary syndrome: incidence, pattern and predictors. *Gynecol Endocrinol*. 2011 Oct;27(10):814-9. Available from: PubMed; PMID 20807166

Roldan B, San Millan JL, Escobar-Morreale HF. Genetic basis of metabolic abnormalities in polycystic ovary syndrome: implications for therapy. *Am J Pharmacogenomics*. 2004;4(2):93-107. Available from: PubMed; PMID 15059032

Romaguera J, Moran C, Diaz-Montes TP, Hines GA, Cruz RI, Azziz R. Prevalence of 21-hydroxylase-deficient nonclassic adrenal hyperplasia and insulin resistance among hirsute women from Puerto Rico. *Fertil Steril*. 2000 Jul;74(1):59-62. Available from: PubMed; PMID 10899497

Romualdi D, Costantini B, Campagna G, Lanzone A, Guido M. Is there a role for soy isoflavones in the therapeutic approach to polycystic ovary syndrome? Results from a pilot study. *Fertil Steril*. 2008 Nov;90(5):1826-33. Available from: PubMed; PMID 18166189

Rosenfield RL. Polycystic ovary syndrome and insulin-resistant hyperinsulinemia. *J Am Acad Dermatol*. 2001 Sep;45(3 Suppl):S95-104. Available from: PubMed; PMID 11511859

Rossi B, Sukalich S, Droz J, Griffin A, Cook S, Blumkin A, Guzik DS, Hoeger KM. Prevalence of metabolic syndrome and related characteristics in obese adolescents with and without polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Dec;93(12):4780-6. Available from: PubMed; PMID 18812482

Ruan X, Dai Y. Study on chronic low-grade inflammation and influential factors of polycystic ovary syndrome. *Med Princ Pract*. 2009;18(2):118-22. Available from: PubMed; PMID 19204430

Sabuncu T, Vural H, Harma M, Harma M. Oxidative stress in polycystic ovary syndrome and its contribution to the risk of cardiovascular disease. *Clin Biochem*. 2001 Jul;34(5):407-13. Available from: PubMed; PMID 11522279

Saha SA. Thrombocytosis in patients with polycystic ovary syndrome: reactive or culpable? *South Med J*. 2011 Apr;104(4):252-3. Available from: PubMed; PMID 21606690

Sahin Y, Yirmibes U, Kelestimur F, Aygen E. The effects of metformin on insulin resistance, clomiphene-induced ovulation and pregnancy rates in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2004

Apr 15;113(2):214-20. Available from: PubMed; PMID 15063963

Sahin Y, Unluhizarci K, Yilmazsoy A, Yikilmaz A, Aygen E, Kelestimur F. The effects of metformin on metabolic and cardiovascular risk factors in nonobese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Dec;67(6):904-8. Available from: PubMed; PMID 17666089

Sahin I, Celik O, Celik N, Keskin L, Dogru A, Dogru I, Yurekli M, Yologlu S. Adrenomedullin: possible predictor of insulin resistance in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2012 Jun;35(6):553-6. Available from: PubMed; PMID 21791966

Saleh A, Morris D, Tan SL, Tulandi T. Effects of laparoscopic ovarian drilling on adrenal steroids in polycystic ovary syndrome patients with and without hyperinsulinemia. *Fertil Steril*. 2001 Mar;75(3):501-4. Available from: PubMed; PMID 11239531

Salley KE, Wickham EP, Cheang KI, Essah PA, Karjane NW, Nestler JE. Glucose intolerance in polycystic ovary syndrome--a position statement of the Androgen Excess Society. *J Clin Endocrinol Metab*. 2007 Dec;92(12):4546-56. Available from: PubMed; PMID 18056778

Sam S, Legro RS, Bentley-Lewis R, Dunaif A. Dyslipidemia and metabolic syndrome in the sisters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Aug;90(8):4797-802. Available from: PubMed; PMID 15899949

Sam S, Legro RS, Essah PA, Apridonidze T, Dunaif A. Evidence for metabolic and reproductive phenotypes in mothers of women with polycystic ovary syndrome. *Proc Natl Acad Sci U S A*. 2006 May 2;103(18):7030-5. Available from: PubMed; PMID 16632599

Samy N, Hashim M, Sayed M, Said M. Clinical significance of inflammatory markers in polycystic ovary syndrome: their relationship to insulin resistance and body mass index. *Dis Markers*. 2009;26(4):163-70. Available from: PubMed; PMID 19729797

San Millan JL, Corton M, Villuendas G, Sancho J, Peral B, Escobar-Morreale HF. Association of the polycystic ovary syndrome with genomic variants related to insulin resistance, type 2 diabetes mellitus, and obesity. *J Clin Endocrinol Metab*. 2004 Jun;89(6):2640-6. Available from: PubMed; PMID 15181035

Sara L, Antal P, Masszi G, Buday A, Horvath EM, Hamar P, Monos E, Nadasy GL, Varbiro S. Arteriolar insulin resistance in a rat model of polycystic ovary syndrome. *Fertil Steril*. 2012 Feb;97(2):462-8. Available from: PubMed; PMID 22154764

Sara L, Nadasy G, Antal P, Szekeres M, Monori-Kiss A, Horvath EM, Tokes AM, Masszi G, Monos E, Varbiro S. Arteriolar biomechanics in a rat polycystic ovary syndrome

model - effects of parallel vitamin D3 treatment. *Acta Physiol Hung*. 2012 Sep;99(3):279-88. Available from: PubMed; PMID 22982716

Sartor BM, Dickey RP. Polycystic ovarian syndrome and the metabolic syndrome. *Am J Med Sci*. 2005 Dec;330(6):336-42. Available from: PubMed; PMID 16355019

Sasaki A, Emi Y, Matsuda M, Sharula, Kamada Y, Chekir C, Hiramatsu Y, Nakatsuka M. Increased arterial stiffness in mildly-hypertensive women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2011 May;37(5):402-11. Available from: PubMed; PMID 21314808

Sathyapalan T, Cho LW, Kilpatrick ES, Coady AM, Atkin SL. A comparison between rimonabant and metformin in reducing biochemical hyperandrogenaemia and insulin resistance in patients with polycystic ovary syndrome (PCOS): a randomized open-label parallel study. *Clin Endocrinol (Oxf)*. 2008 Dec;69(6):931-5. Available from: PubMed; PMID 18410553

Sathyapalan T, Atkin SL. Mediators of inflammation in polycystic ovary syndrome in relation to adiposity. *Mediators Inflamm*. 2010;2010:758656. Available from: PubMed; PMID 20396393

Sathyapalan T, Atkin SL. Recent advances in cardiovascular aspects of polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Apr;166(4):575-83. Available from: PubMed; PMID 22096112

Sawathiparnich P, Weerakulwattana L, Santiprabhob J, Likitmaskul S. Obese adolescent girls with polycystic ovary syndrome (PCOS) have more severe insulin resistance measured by HOMA-IR score than obese girls without PCOS. *J Med Assoc Thai*. 2005 Nov;88 Suppl 8:S33-7. Available from: PubMed; PMID 16856423

Schachter M, Friedler S, Raziel A, Ron-El R. Hyperinsulinemia: not involved in the development of PCO? *Fertil Steril*. 2001 Mar;75(3):642-4. Available from: PubMed; PMID 11265665

Schachter M, Raziel A, Friedler S, Strassburger D, Bern O, Ron-El R. Insulin resistance in patients with polycystic ovary syndrome is associated with elevated plasma homocysteine. *Hum Reprod*. 2003 Apr;18(4):721-7. Available from: PubMed; PMID 12660262

Schmidt J, Landin-Wilhelmsen K, Brannstrom M, Dahlgren E. Cardiovascular disease and risk factors in PCOS women of postmenopausal age: a 21-year controlled follow-up study. *J Clin Endocrinol Metab*. 2011 Dec;96(12):3794-803. Available from: PubMed; PMID 21956415

Schroder AK, Tauchert S, Ortmann O, Diedrich K, Weiss JM. Insulin resistance in patients with polycystic ovary syndrome. *Ann Med*. 2004;36(6):426-39. Available from: PubMed; PMID 15513294

Seaman HE, de Vries CS, Farmer RD. Venous thromboembolism associated with cyproterone acetate in combination with ethinyloestradiol (Dianette): observational studies using the UK General Practice Research Database. *Pharmacoepidemiol Drug Saf*. 2004 Jul;13(7):427-36. Available from: PubMed; PMID 15269926

Segal S, Elmadjian M, Takeshige T, Karp S, Mercado R, Rivnay B. Serum inhibin A concentration in women with polycystic ovarian syndrome and the correlation to ethnicity, androgens and insulin resistance. *Reprod Biomed Online*. 2010 May;20(5):675-80. Available from: PubMed; PMID 20231113

Selcoki Y, Yilmaz OC, Carlioglu A, Onaran Y, Kankilic MN, Karakurt F, Eryonucu B. Cardiac flow parameters with conventional and pulsed tissue Doppler echocardiography imaging in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 Nov;26(11):815-8. Available from: PubMed; PMID 20486878

Seli E, Duleba AJ. Should patients with polycystic ovarian syndrome be treated with metformin? *Hum Reprod*. 2002 Sep;17(9):2230-6. Available from: PubMed; PMID 12202407

Selimoglu H, Duran C, Kiyici S, Ersoy C, Guclu M, Ozkaya G, Tuncel E, Erturk E, Imamoglu S. The effect of vitamin D replacement therapy on insulin resistance and androgen levels in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2010 Apr;33(4):234-8. Available from: PubMed; PMID 19820295

Seow KM, Juan CC, Wu LY, Hsu YP, Yang WM, Tsai YL, Hwang JL, Ho LT. Serum and adipocyte resistin in polycystic ovary syndrome with insulin resistance. *Hum Reprod*. 2004 Jan;19(1):48-53. Available from: PubMed; PMID 14688155

Seow KM, Juan CC, Hsu YP, Hwang JL, Huang LW, Ho LT. Amelioration of insulin resistance in women with PCOS via reduced insulin receptor substrate-1 Ser312 phosphorylation following laparoscopic ovarian electrocautery. *Hum Reprod*. 2007 Apr;22(4):1003-10. Available from: PubMed; PMID 17204522

Seow KM, Juan CC, Wang PH, Ho LT, Hwang JL. Expression levels of vascular cell adhesion molecule-1 in young and nonobese women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2012;73(3):236-41. Available from: PubMed; PMID 22441212

Sepilian V, Nagamani M. Adiponectin levels in women with polycystic ovary syndrome and severe insulin resistance. *J Soc Gynecol Investig*. 2005 Feb;12(2):129-34. Available from: PubMed; PMID 15695109

Sepilian V, Nagamani M. Effects of rosiglitazone in obese women with polycystic ovary syndrome and severe insulin

- resistance. *J Clin Endocrinol Metab.* 2005 Jan;90(1):60-5. Available from: PubMed; PMID 15483106
- Sepilian VP, Crochet JR, Nagamani M. Serum soluble leptin receptor levels and free leptin index in women with polycystic ovary syndrome: relationship to insulin resistance and androgens. *Fertil Steril.* 2006 May;85(5):1441-7. Available from: PubMed; PMID 16579998
- Setji TL, Holland ND, Sanders LL, Pereira KC, Diehl AM, Brown AJ. Nonalcoholic steatohepatitis and nonalcoholic fatty liver disease in young women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 May;91(5):1741-7. Available from: PubMed; PMID 16492691
- Shah B, Golden E, Milla S. Unilateral ovarian enlargement in adolescents with polycystic ovary syndrome: a variant of bilateral disease. *J Pediatr Endocrinol Metab.* 2010 Jan-Feb;23(1-2):87-95. Available from: PubMed; PMID 20432811
- Sharifi F, Mazloomi S, Hajihosseini R, Mazloomzadeh S. Serum magnesium concentrations in polycystic ovary syndrome and its association with insulin resistance. *Gynecol Endocrinol.* 2012 Jan;28(1):7-11. Available from: PubMed; PMID 21696337
- Sharma ST, Nestler JE. Prevention of diabetes and cardiovascular disease in women with PCOS: treatment with insulin sensitizers. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):245-60. Available from: PubMed; PMID 16772155
- Shaw LJ, Bairey Merz CN, Azziz R, Stanczyk FZ, Sopko G, Braunstein GD, Kelsey SF, Kip KE, Cooper-Dehoff RM, Johnson BD, Vaccarino V, Reis SE, Bittner V, Hodgson TK, Rogers W, Pepine CJ. Postmenopausal women with a history of irregular menses and elevated androgen measurements at high risk for worsening cardiovascular event-free survival: results from the National Institutes of Health--National Heart, Lung, and Blood Institute sponsored Women's Ischemia Syndrome Evaluation. *J Clin Endocrinol Metab.* 2008 Apr;93(4):1276-84. Available from: PubMed; PMID 18182456
- Shi D, Dyck MK, Uwiera RR, Russell JC, Proctor SD, Vine DF. A unique rodent model of cardiometabolic risk associated with the metabolic syndrome and polycystic ovary syndrome. *Endocrinology.* 2009 Sep;150(9):4425-36. Available from: PubMed; PMID 19470707
- Shi D, Vine DF. Animal models of polycystic ovary syndrome: a focused review of rodent models in relationship to clinical phenotypes and cardiometabolic risk. *Fertil Steril.* 2012 Jul;98(1):185-93. Available from: PubMed; PMID 22607890
- Shobokshi A, Shaarawy M. Correction of insulin resistance and hyperandrogenism in polycystic ovary syndrome by combined rosiglitazone and clomiphene citrate therapy. *J Soc Gynecol Investig.* 2003 Feb;10(2):99-104. Available from: PubMed; PMID 12593999
- Shroff R, Kerchner A, Maifeld M, Van Beek EJ, Jagasia D, Dokras A. Young obese women with polycystic ovary syndrome have evidence of early coronary atherosclerosis. *J Clin Endocrinol Metab.* 2007 Dec;92(12):4609-14. Available from: PubMed; PMID 17848406
- Shroff R, Syrop CH, Davis W, Van Voorhis BJ, Dokras A. Risk of metabolic complications in the new PCOS phenotypes based on the Rotterdam criteria. *Fertil Steril.* 2007 Nov;88(5):1389-95. Available from: PubMed; PMID 17462641
- Siddiqui IA, Tamimi W, Tamim H, Aleisa N, Adham M. A study on clinical and sonographic features in obese and nonobese patients with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2010 Mar;281(3):467-71. Available from: PubMed; PMID 19462174
- Sieminska L, Marek B, Kos-Kudla B, Niedziolka D, Kajdaniuk D, Nowak M, Glogowska-Szelag J. Serum adiponectin in women with polycystic ovarian syndrome and its relation to clinical, metabolic and endocrine parameters. *J Endocrinol Invest.* 2004 Jun;27(6):528-34. Available from: PubMed; PMID 15717649
- Sills ES, Perloe M, Palermo GD. Correction of hyperinsulinemia in oligoovulatory women with clomiphene-resistant polycystic ovary syndrome: a review of therapeutic rationale and reproductive outcomes. *Eur J Obstet Gynecol Reprod Biol.* 2000 Aug;91(2):135-41. Available from: PubMed; PMID 10869785
- Simoni M, Tempfer CB, Destenaves B, Fauser BC. Functional genetic polymorphisms and female reproductive disorders: Part I: Polycystic ovary syndrome and ovarian response. *Hum Reprod Update.* 2008 Sep-Oct;14(5):459-84. Available from: PubMed; PMID 18603647
- Sirmans SM, Weidman-Evans E, Everton V, Thompson D. Polycystic ovary syndrome and chronic inflammation: pharmacotherapeutic implications. *Ann Pharmacother.* 2012 Mar;46(3):403-18. Available from: PubMed; PMID 22388330
- Sir-Petermann T, Angel B, Maliqueo M, Carvajal F, Santos JL, Perez-Bravo F. Prevalence of Type II diabetes mellitus and insulin resistance in parents of women with polycystic ovary syndrome. *Diabetologia.* 2002 Jul;45(7):959-64. Available from: PubMed; PMID 12136394
- Soares EM, Azevedo GD, Gadelha RG, Lemos TM, Maranhao TM. Prevalence of the metabolic syndrome and its components in Brazilian women with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):649-55. Available from: PubMed; PMID 17543961
- Soares GM, Vieira CS, de Paula Martins W, Dos Reis RM, de Sa MF, Ferriani RA. Metabolic and cardiovascular impact of oral contraceptives in polycystic ovary syndrome.

Int J Clin Pract. 2009 Jan;63(1):160-9. Available from: PubMed; PMID 18795969

Sokalska A, Piotrowski PC, Rzepczynska IJ, Cress A, Duleba AJ. Statins inhibit growth of human theca-interstitial cells in PCOS and non-PCOS tissues independently of cholesterol availability. *J Clin Endocrinol Metab.* 2010 Dec;95(12):5390-4. Available from: PubMed; PMID 20826585

Solano ME, Sander VA, Ho H, Motta AB, Arck PC. Systemic inflammation, cellular influx and up-regulation of ovarian VCAM-1 expression in a mouse model of polycystic ovary syndrome (PCOS). *J Reprod Immunol.* 2011 Dec;92(1-2):33-44. Available from: PubMed; PMID 22018827

Song TJ, Lee SY, Oh SH, Lee KY. Multiple cerebral infarctions associated with polycystic ovaries and ovarian hyperstimulation syndrome. *Eur Neurol.* 2008;59(1-2):76-8. Available from: PubMed; PMID 17934276

Sorensen MB, Franks S, Robertson C, Pennell DJ, Collins P. Severe endothelial dysfunction in young women with polycystic ovary syndrome is only partially explained by known cardiovascular risk factors. *Clin Endocrinol (Oxf).* 2006 Nov;65(5):655-9. Available from: PubMed; PMID 17054469

Spanos N, Tziomalos K, Macut D, Koiou E, Kandaraki EA, Delkos D, Tsourdi E, Panidis D. Adipokines, insulin resistance and hyperandrogenemia in obese patients with polycystic ovary syndrome: cross-sectional correlations and the effects of weight loss. *Obes Facts.* 2012;5(4):495-504. Available from: PubMed; PMID 22854419

Srikanthan P, Korenman S, Davis S. Polycystic ovarian syndrome: the next cardiovascular dilemma in women? *Endocrinol Metab Clin North Am.* 2006 Sep;35(3):611-31, x. Available from: PubMed; PMID 16959589

Stadtmauer LA, Wong BC, Oehninger S. Should patients with polycystic ovary syndrome be treated with metformin? Benefits of insulin sensitizing drugs in polycystic ovary syndrome--beyond ovulation induction. *Hum Reprod.* 2002 Dec;17(12):3016-26. Available from: PubMed; PMID 12456596

Stanley T, Misra M. Polycystic ovary syndrome in obese adolescents. *Curr Opin Endocrinol Diabetes Obes.* 2008 Feb;15(1):30-6. Available from: PubMed; PMID 18185060

Starka L, Duskova M, Cermakova I, Vrbikova J, Hill M. Premature androgenic alopecia and insulin resistance. Male equivalent of polycystic ovary syndrome? *Endocr Regul.* 2005 Dec;39(4):127-31. Available from: PubMed; PMID 16552990

Steiner CA, Janez A, Jensterle M, Reisinger K, Forst T, Pfutzner A. Impact of treatment with rosiglitazone or metformin on biomarkers for insulin resistance and metabolic syndrome in patients with polycystic ovary

syndrome. *J Diabetes Sci Technol.* 2007 Mar;1(2):211-7. Available from: PubMed; PMID 19888409

Stener-Victorin E, Ploj K, Larsson BM, Holmang A. Rats with steroid-induced polycystic ovaries develop hypertension and increased sympathetic nervous system activity. *Reprod Biol Endocrinol.* 2005;3:44. Available from: PubMed; PMID 16146570

Stephenson T, Stewart G. PCOS: clinical presentation guides treatment of this multifaceted disease. *JAAPA.* 2010 Oct;23(10):20-4. Available from: PubMed; PMID 21128379

Stovall DW, Bailey AP, Pastore LM. Assessment of insulin resistance and impaired glucose tolerance in lean women with polycystic ovary syndrome. *J Womens Health (Larchmt).* 2011 Jan;20(1):37-43. Available from: PubMed; PMID 21194310

Styne DM. Review of the 2nd Annual World Congress on the Insulin Resistance Syndrome. *J Pediatr Endocrinol Metab.* 2005 Jul;18(7):723-6. Available from: PubMed; PMID 16128250

Styne DM. The 4th International Congress on the Insulin Resistance Syndrome. *Pediatr Endocrinol Rev.* 2007 Jun;4(4):358-61. Available from: PubMed; PMID 17643084

Sukalich S, Guzick D. Cardiovascular health in women with polycystic ovary syndrome. *Semin Reprod Med.* 2003 Aug;21(3):309-15. Available from: PubMed; PMID 14593554

Sun L, Hu W, Liu Q, Hao Q, Sun B, Zhang Q, Mao S, Qiao J, Yan X. Metabonomics reveals plasma metabolic changes and inflammatory marker in polycystic ovary syndrome patients. *J Proteome Res.* 2012 May 4;11(5):2937-46. Available from: PubMed; PMID 22428626

Svendsen PF, Madsbad S, Nilas L. The insulin-resistant phenotype of polycystic ovary syndrome. *Fertil Steril.* 2010 Aug;94(3):1052-8. Available from: PubMed; PMID 19580964

Sverrisdottir YB, Mogren T, Kataoka J, Janson PO, Stener-Victorin E. Is polycystic ovary syndrome associated with high sympathetic nerve activity and size at birth? *Am J Physiol Endocrinol Metab.* 2008 Mar;294(3):E576-81. Available from: PubMed; PMID 18198350

Takeuchi T, Tsutsumi O, Taketani Y. Abnormal response of insulin to glucose loading and assessment of insulin resistance in non-obese patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2008 Jul;24(7):385-91. Available from: PubMed; PMID 18645711

Talbott EO, Guzick DS, Sutton-Tyrrell K, McHugh-Pemu KP, Zborowski JV, Remsberg KE, Kuller LH. Evidence for association between polycystic ovary syndrome and premature carotid atherosclerosis in middle-aged women.

- Arterioscler Thromb Vasc Biol. 2000 Nov;20(11):2414-21. Available from: PubMed; PMID 11073846
- Talbott EO, Zborowski JV, Sutton-Tyrrell K, McHugh-Pemu KP, Guzick DS. Cardiovascular risk in women with polycystic ovary syndrome. *Obstet Gynecol Clin North Am.* 2001 Mar;28(1):111-33, vii. Available from: PubMed; PMID 11292998
- Talbott EO, Zborowski JV, Boudreaux MY, McHugh-Pemu KP, Sutton-Tyrrell K, Guzick DS. The relationship between C-reactive protein and carotid intima-media wall thickness in middle-aged women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2004 Dec;89(12):6061-7. Available from: PubMed; PMID 15579759
- Talbott EO, Zborowski JV, Rager JR, Boudreaux MY, Edmundowicz DA, Guzick DS. Evidence for an association between metabolic cardiovascular syndrome and coronary and aortic calcification among women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2004 Nov;89(11):5454-61. Available from: PubMed; PMID 15531497
- Talbott EO, Zborowski JV, Boudreaux MY. Do women with polycystic ovary syndrome have an increased risk of cardiovascular disease? Review of the evidence. *Minerva Ginecol.* 2004 Feb;56(1):27-39. Available from: PubMed; PMID 14973408
- Talbott EO, Zborowski J, Rager J, Stragand JR. Is there an independent effect of polycystic ovary syndrome (PCOS) and menopause on the prevalence of subclinical atherosclerosis in middle aged women? *Vasc Health Risk Manag.* 2008;4(2):453-62. Available from: PubMed; PMID 18561521
- Tan S, Hahn S, Janssen OE. Insulin resistance syndrome and polycystic ovary syndrome: implications for diagnosis and treatment. *Panminerva Med.* 2005 Dec;47(4):211-7. Available from: PubMed; PMID 16489320
- Tan S, Hahn S, Benson S, Dietz T, Lahner H, Moeller LC, Schmidt M, Elsenbruch S, Kimmig R, Mann K, Janssen OE. Metformin improves polycystic ovary syndrome symptoms irrespective of pre-treatment insulin resistance. *Eur J Endocrinol.* 2007 Nov;157(5):669-76. Available from: PubMed; PMID 17984248
- Tan BK, Heutling D, Chen J, Farhatullah S, Adya R, Keay SD, Kennedy CR, Lehnert H, Randeva HS. Metformin decreases the adipokine vaspin in overweight women with polycystic ovary syndrome concomitant with improvement in insulin sensitivity and a decrease in insulin resistance. *Diabetes.* 2008 Jun;57(6):1501-7. Available from: PubMed; PMID 18375437
- Tan S, Scherag A, Janssen OE, Hahn S, Lahner H, Dietz T, Scherag S, Grallert H, Vogel CI, Kimmig R, Illig T, Mann K, Hebebrand J, Hinney A. Large effects on body mass index and insulin resistance of fat mass and obesity associated gene (FTO) variants in patients with polycystic ovary syndrome (PCOS). *BMC Med Genet.* 2010;11:12. Available from: PubMed; PMID 20092643
- Tan BK, Adya R, Shan X, Aghilla M, Lehnert H, Keay SD, Randeva HS. The anti-atherogenic aspect of metformin treatment in insulin resistant women with the polycystic ovary syndrome: role of the newly established pro-inflammatory adipokine Acute-phase Serum Amyloid A; evidence of an adipose tissue-monocyte axis. *Atherosclerosis.* 2011 Jun;216(2):402-8. Available from: PubMed; PMID 20869715
- Tang T, Glanville J, Hayden CJ, White D, Barth JH, Balen AH. Combined lifestyle modification and metformin in obese patients with polycystic ovary syndrome. A randomized, placebo-controlled, double-blind multicentre study. *Hum Reprod.* 2006 Jan;21(1):80-9. Available from: PubMed; PMID 16199429
- Tao T, Wickham EP, 3rd, Fan W, Yang J, Liu W. Distribution of adiponectin multimeric forms in Chinese women with polycystic ovary syndrome and their relation to insulin resistance. *Eur J Endocrinol.* 2010 Sep;163(3):399-406. Available from: PubMed; PMID 20530094
- Tao T, Li S, Zhao A, Zhang Y, Liu W. Expression of the CD11c gene in subcutaneous adipose tissue is associated with cytokine level and insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2012 Nov;167(5):705-13. Available from: PubMed; PMID 22945299
- Tarkun I, Arslan BC, Canturk Z, Turemen E, Sahin T, Duman C. Endothelial dysfunction in young women with polycystic ovary syndrome: relationship with insulin resistance and low-grade chronic inflammation. *J Clin Endocrinol Metab.* 2004 Nov;89(11):5592-6. Available from: PubMed; PMID 15531516
- Tarkun I, Cetinarslan B, Turemen E, Sahin T, Canturk Z, Komsuoglu B. Effect of rosiglitazone on insulin resistance, C-reactive protein and endothelial function in non-obese young women with polycystic ovary syndrome. *Eur J Endocrinol.* 2005 Jul;153(1):115-21. Available from: PubMed; PMID 15994753
- Tarkun I, Cetinarslan B, Turemen E, Canturk Z, Biyikli M. Association between Circulating Tumor Necrosis Factor-Alpha, Interleukin-6, and Insulin Resistance in Normal-Weight Women with Polycystic Ovary Syndrome. *Metab Syndr Relat Disord.* 2006 Summer;4(2):122-8. Available from: PubMed; PMID 18370758
- Tasali E, Van Cauter E, Hoffman L, Ehrmann DA. Impact of obstructive sleep apnea on insulin resistance and glucose tolerance in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Oct;93(10):3878-84. Available from: PubMed; PMID 18647805



- Taylor MC, Reema Kar A, Kunselman AR, Stetter CM, Dunaif A, Legro RS. Evidence for increased cardiovascular events in the fathers but not mothers of women with polycystic ovary syndrome. *Hum Reprod*. 2011 Aug;26(8):2226-31. Available from: PubMed; PMID 21505042
- Teede HJ, Meyer C, Norman RJ. Insulin-sensitisers in the treatment of polycystic ovary syndrome. *Expert Opin Pharmacother*. 2005 Nov;6(14):2419-27. Available from: PubMed; PMID 16259573
- Teede HJ, Hutchison S, Zoungas S, Meyer C. Insulin resistance, the metabolic syndrome, diabetes, and cardiovascular disease risk in women with PCOS. *Endocrine*. 2006 Aug;30(1):45-53. Available from: PubMed; PMID 17185791
- Teede HJ, Norman R. Polycystic ovarian syndrome: insights into the enigma that is PCOS today. *Endocrine*. 2006 Aug;30(1):1-2. Available from: PubMed; PMID 17185785
- Teede HJ, Hutchison SK, Zoungas S. The management of insulin resistance in polycystic ovary syndrome. *Trends Endocrinol Metab*. 2007 Sep;18(7):273-9. Available from: PubMed; PMID 17698366
- Teede H, Deeks A, Moran L. Polycystic ovary syndrome: a complex condition with psychological, reproductive and metabolic manifestations that impacts on health across the lifespan. *BMC Med*. 2010;8:41. Available from: PubMed; PMID 20591140
- Teede HJ, Meyer C, Hutchison SK, Zoungas S, McGrath BP, Moran LJ. Endothelial function and insulin resistance in polycystic ovary syndrome: the effects of medical therapy. *Fertil Steril*. 2010 Jan;93(1):184-91. Available from: PubMed; PMID 19019358
- Tekin G, Tekin A, Kilcarslan EB, Haydardedeoglu B, Katircibasi T, Kocum T, Erol T, Colkesen Y, Sezgin AT, Muderrisoglu H. Altered autonomic neural control of the cardiovascular system in patients with polycystic ovary syndrome. *Int J Cardiol*. 2008 Oct 30;130(1):49-55. Available from: PubMed; PMID 18055040
- Tekin A, Tekin G, Colkesen Y, Kilicdag EB, Bashan I, Sezgin AT, Muderrisoglu H. Left ventricular function in patients with polycystic ovary syndrome: a Doppler echocardiographic study. *Exp Clin Endocrinol Diabetes*. 2009 Apr;117(4):165-9. Available from: PubMed; PMID 19085702
- Tellechea ML, Muzzio DO, Iglesias Molli AE, Belli SH, Graffigna MN, Levalle OA, Frechtel GD, Cerrone GE. Association between beta2-adrenoceptor (ADRB2) haplotypes and insulin resistance in PCOS. *Clin Endocrinol (Oxf)*. 2012 Aug 20. Available from: PubMed; PMID 22900502
- Tfayli H, Arslanian S. Menstrual health and the metabolic syndrome in adolescents. *Ann N Y Acad Sci*. 2008;1135:85-94. Available from: PubMed; PMID 18574212
- Tfayli H, Ulnach JW, Lee S, Sutton-Tyrrell K, Arslanian S. Drospirenone/ethinyl estradiol versus rosiglitazone treatment in overweight adolescents with polycystic ovary syndrome: comparison of metabolic, hormonal, and cardiovascular risk factors. *J Clin Endocrinol Metab*. 2011 May;96(5):1311-9. Available from: PubMed; PMID 21325466
- Thomann R, Rossinelli N, Keller U, Tirri BF, De Geyter C, Ruiz J, Kranzlin M, Puder JJ. Differences in low-grade chronic inflammation and insulin resistance in women with previous gestational diabetes mellitus and women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Apr;24(4):199-206. Available from: PubMed; PMID 18382906
- Thomson RL, Buckley JD, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. The effect of a hypocaloric diet with and without exercise training on body composition, cardiometabolic risk profile, and reproductive function in overweight and obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Sep;93(9):3373-80. Available from: PubMed; PMID 18583464
- Thomson RL, Buckley JD, Moran LJ, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Comparison of aerobic exercise capacity and muscle strength in overweight women with and without polycystic ovary syndrome. *BJOG*. 2009 Aug;116(9):1242-50. Available from: PubMed; PMID 19438498
- Thomson RL, Buckley JD, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Heart rate recovery improves after weight loss in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Mar 1;93(4):1173-8. Available from: PubMed; PMID 19147136
- Thomson RL, Brinkworth GD, Noakes M, Clifton PM, Norman RJ, Buckley JD. The effect of diet and exercise on markers of endothelial function in overweight and obese women with polycystic ovary syndrome. *Hum Reprod*. 2012 Jul;27(7):2169-76. Available from: PubMed; PMID 22552687
- Tomlinson J, Millward A, Stenhouse E, Pinkney J. Type 2 diabetes and cardiovascular disease in polycystic ovary syndrome: what are the risks and can they be reduced? *Diabet Med*. 2010 May;27(5):498-515. Available from: PubMed; PMID 20536945
- Topcu S, Caliskan M, Gullu H, Ozcimen EE, Erdogan D, Uckuyu A, Zeyneloglu H, Muderrisoglu H. Do women with polycystic ovary syndrome really have predisposition to atherosclerosis? *Aust N Z J Obstet Gynaecol*. 2006 Apr;46(2):164-7. Available from: PubMed; PMID 16638042

- Topcu S, Caliskan M, Ozcimen EE, Tok D, Uckuyu A, Erdogan D, Gullu H, Yildirim A, Zeyneloglu H, Muderrisoglu H. Do young women with polycystic ovary syndrome show early evidence of preclinical coronary artery disease? *Hum Reprod.* 2006 Apr;21(4):930-5. Available from: PubMed; PMID 16373410
- Topcu S, Tok D, Caliskan M, Ozcimen EE, Gullu H, Uckuyu A, Erdogan D, Zeyneloglu H, Muderrisoglu H. Metformin therapy improves coronary microvascular function in patients with polycystic ovary syndrome and insulin resistance. *Clin Endocrinol (Oxf).* 2006 Jul;65(1):75-80. Available from: PubMed; PMID 16817823
- Toprak S, Yonem A, Cakir B, Guler S, Azal O, Ozata M, Corakci A. Insulin resistance in nonobese patients with polycystic ovary syndrome. *Horm Res.* 2001;55(2):65-70. Available from: PubMed; PMID 11509861
- Torun AN, Vural M, Cece H, Camuzcuoglu H, Toy H, Aksoy N. Paraoxonase-I is not affected in polycystic ovary syndrome without metabolic syndrome and insulin resistance, but oxidative stress is altered. *Gynecol Endocrinol.* 2011 Dec;27(12):988-92. Available from: PubMed; PMID 21557696
- Torvinen A, Koivunen R, Pouta A, Franks S, Martikainen H, Bloigu A, Hartikainen AL, McCarthy MI, Ruokonen A, Jarvelin MR, Morin-Papunen L. Metabolic and reproductive characteristics of first-degree relatives of women with self-reported oligo-amenorrhoea and hirsutism. *Gynecol Endocrinol.* 2011 Sep;27(9):630-5. Available from: PubMed; PMID 20923278
- Toscani M, Migliavacca R, Sisson de Castro JA, Spritzer PM. Estimation of truncal adiposity using waist circumference or the sum of trunk skinfolds: a pilot study for insulin resistance screening in hirsute patients with or without polycystic ovary syndrome. *Metabolism.* 2007 Jul;56(7):992-7. Available from: PubMed; PMID 17570263
- Toscani MK, Mario FM, Radavelli-Bagatini S, Spritzer PM. Insulin resistance is not strictly associated with energy intake or dietary macronutrient composition in women with polycystic ovary syndrome. *Nutr Res.* 2011 Feb;31(2):97-103. Available from: PubMed; PMID 21419313
- Tosi F, Dorizzi R, Castello R, Maffei C, Spiazzi G, Zoppini G, Muggeo M, Moghetti P. Body fat and insulin resistance independently predict increased serum C-reactive protein in hyperandrogenic women with polycystic ovary syndrome. *Eur J Endocrinol.* 2009 Nov;161(5):737-45. Available from: PubMed; PMID 19713424
- Tosi F, Negri C, Perrone F, Dorizzi R, Castello R, Bonora E, Moghetti P. Hyperinsulinemia amplifies GnRH agonist stimulated ovarian steroid secretion in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2012 May;97(5):1712-9. Available from: PubMed; PMID 22419715
- Toulis KA, Goulis DG, Mintziori G, Kintiraki E, Eukarpidis E, Mouratoglou SA, Pavlaki A, Stergianos S, Poulasouchidou M, Tzellos TG, Makedos A, Chourdakis M, Tarlatzis BC. Meta-analysis of cardiovascular disease risk markers in women with polycystic ovary syndrome. *Hum Reprod Update.* 2011 Nov-Dec;17(6):741-60. Available from: PubMed; PMID 21628302
- Trolle B, Lauszus FF. Risk factors for glucose intolerance in Danish women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2005 Dec;84(12):1192-6. Available from: PubMed; PMID 16305707
- Trottier A, Battista MC, Geller DH, Moreau B, Carpentier AC, Simoneau-Roy J, Baillargeon JP. Adipose tissue insulin resistance in peripubertal girls with first-degree family history of polycystic ovary syndrome. *Fertil Steril.* 2012 Sep 14. Available from: PubMed; PMID 22985947
- Tsilchorozidou T, Overton C, Conway GS. The pathophysiology of polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2004 Jan;60(1):1-17. Available from: PubMed; PMID 14678281
- Turkcuoglu I, Engin-Ustun Y, Turan F, Kali Z, Karabulut AB, Meydanli M, Kafkasli A. Evaluation of asymmetric dimethylarginine, nitric oxide levels and associated independent variables in obese and lean patients with polycystic ovarian syndrome. *Gynecol Endocrinol.* 2011 Sep;27(9):609-14. Available from: PubMed; PMID 20695761
- Turkcuoglu I, Kafkasli A, Meydanli MM, Ozyalin F, Taskapan C. Independent predictors of cardiovascular risk in polycystic ovarian syndrome. *Gynecol Endocrinol.* 2011 Nov;27(11):915-9. Available from: PubMed; PMID 21294689
- Ulloa-Aguirre A, Portocarrero L, Zarinan T, Olivares A, Carranza-Lira S, Veldhuis JD, Lopez-Alvarenga JC. Effects of metformin on inappropriate LH release in women with polycystic ovarian syndrome and insulin resistance. *Reprod Biomed Online.* 2006 Jun;12(6):669-83. Available from: PubMed; PMID 16792841
- Uncu G, Ozyurek SE, Uncu Y. ACTH stimulation test in lean polycystic ovary syndrome patients with insulin resistance. *Fertil Steril.* 2007 Sep;88(3):670-4. Available from: PubMed; PMID 17451692
- Unluhizarci K, Ozocak M, Tanriverdi F, Atmaca H, Kelestimur F. Investigation of hypothalamo-pituitary-gonadal axis and glucose intolerance among the first-degree female relatives of women with polycystic ovary syndrome. *Fertil Steril.* 2007 Jun;87(6):1377-82. Available from: PubMed; PMID 17336975
- Vaikkakara S, Al-Ozairi E, Lim E, Advani A, Ball SG, James RA, Quinton R. The investigation and management of severe hyperandrogenism pre- and postmenopause: non-tumor disease is strongly associated with metabolic syndrome and typically responds to insulin-sensitization

with metformin. *Gynecol Endocrinol*. 2008 Feb;24(2):87-92. Available from: PubMed; PMID 18210332

Valkenburg O, Steegers-Theunissen RP, Smedts HP, Dallinga-Thie GM, Fauser BC, Westerveld EH, Laven JS. A more atherogenic serum lipoprotein profile is present in women with polycystic ovary syndrome: a case-control study. *J Clin Endocrinol Metab*. 2008 Feb;93(2):470-6. Available from: PubMed; PMID 18056772

Vambergue A, Lautier C, Valat AS, Cortet-Rudelli C, Grigorescu F, Dewailly D. Follow-up study of two sisters with type A syndrome of severe insulin resistance gives a new insight into PCOS pathogenesis in relation to puberty and pregnancy outcome: a case report. *Hum Reprod*. 2006 May;21(5):1274-8. Available from: PubMed; PMID 16410336

Velazquez ME, Bellabarba GA, Mendoza S, Sanchez L. Postprandial triglyceride response in patients with polycystic ovary syndrome: relationship with waist-to-hip ratio and insulin. *Fertil Steril*. 2000 Dec;74(6):1159-63. Available from: PubMed; PMID 11119744

Velija-Asimi Z. C-reactive protein in obese PCOS women and the effect of metformin therapy. *Bosn J Basic Med Sci*. 2007 Feb;7(1):90-3. Available from: PubMed; PMID 17489777

Velling Magnussen L, Mumm H, Andersen M, Glintborg D. Hemoglobin A1c as a tool for the diagnosis of type 2 diabetes in 208 premenopausal women with polycystic ovary syndrome. *Fertil Steril*. 2011 Nov;96(5):1275-80. Available from: PubMed; PMID 21982282

Veltman-Verhulst SM, van Rijn BB, Westerveld HE, Franx A, Bruinse HW, Fauser BC, Goverde AJ. Polycystic ovary syndrome and early-onset preeclampsia: reproductive manifestations of increased cardiovascular risk. *Menopause*. 2010 Sep-Oct;17(5):990-6. Available from: PubMed; PMID 20551845

Venkatesan AM, Dunaif A, Corbould A. Insulin resistance in polycystic ovary syndrome: progress and paradoxes. *Recent Prog Horm Res*. 2001;56:295-308. Available from: PubMed; PMID 11237218

Verit FF. Dehydroepiandrosterone sulfate and insulin resistance in patients with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):e2; author reply e3. Available from: PubMed; PMID 19362307

Verit FF. High sensitive serum C-reactive protein and its relationship with other cardiovascular risk factors in normoinsulinemic polycystic ovary patients without metabolic syndrome. *Arch Gynecol Obstet*. 2010 Jun;281(6):1009-14. Available from: PubMed; PMID 19771438

Verit FF. The prevalence of metabolic syndrome in clomiphene citrate resistant polycystic ovary syndrome.

*Gynecol Endocrinol*. 2012 May;28(5):365-9. Available from: PubMed; PMID 22409701

Vervita V, Saltamavros AD, Adonakis G, Tsapanos V, Decavalas G, Georgopoulos NA. Obesity and insulin resistance increase plasma viscosity in young women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Oct;25(10):640-6. Available from: PubMed; PMID 19557593

Vgontzas AN, Legro RS, Bixler EO, Grayev A, Kales A, Chrousos GP. Polycystic ovary syndrome is associated with obstructive sleep apnea and daytime sleepiness: role of insulin resistance. *J Clin Endocrinol Metab*. 2001 Feb;86(2):517-20. Available from: PubMed; PMID 11158002

Victor VM, Rocha M, Banuls C, Sanchez-Serrano M, Sola E, Gomez M, Hernandez-Mijares A. Mitochondrial complex I impairment in leukocytes from polycystic ovary syndrome patients with insulin resistance. *J Clin Endocrinol Metab*. 2009 Sep;94(9):3505-12. Available from: PubMed; PMID 19567514

Victor VM, Rocha M, Banuls C, Alvarez A, de Pablo C, Sanchez-Serrano M, Gomez M, Hernandez-Mijares A. Induction of oxidative stress and human leukocyte/endothelial cell interactions in polycystic ovary syndrome patients with insulin resistance. *J Clin Endocrinol Metab*. 2011 Oct;96(10):3115-22. Available from: PubMed; PMID 21778215

Vieira CS, Martins WP, Fernandes JB, Soares GM, dos Reis RM, de Sa MF, Ferriani RA. The effects of 2 mg chlormadinone acetate/30 mcg ethinylestradiol, alone or combined with spironolactone, on cardiovascular risk markers in women with polycystic ovary syndrome. *Contraception*. 2012 Sep;86(3):268-75. Available from: PubMed; PMID 22464410

Vigano A, Manzoni P, Riva S, Brambilla P, Ferrazzi E, Marzi MM. Hyperinsulinemia induced by highly active antiretroviral therapy in an adolescent with polycystic ovary syndrome who was infected with human immunodeficiency virus. *Fertil Steril*. 2003 Feb;79(2):422-3. Available from: PubMed; PMID 12568857

Vigil P, Contreras P, Alvarado JL, Godoy A, Salgado AM, Cortes ME. Evidence of subpopulations with different levels of insulin resistance in women with polycystic ovary syndrome. *Hum Reprod*. 2007 Nov;22(11):2974-80. Available from: PubMed; PMID 17895281

Vignesh JP, Mohan V. Polycystic ovary syndrome: a component of metabolic syndrome? *J Postgrad Med*. 2007 Apr-Jun;53(2):128-34. Available from: PubMed; PMID 17495382

Vigouroux C. What have we learned from monogenic forms of severe insulin resistance associated with PCOS/HAIRAN? *Ann Endocrinol (Paris)*. 2010

May;71(3):222-4. Available from: PubMed; PMID 20362964

Vlaisavljevic V, Kovac V, Sajko MC. Impact of insulin resistance on the developmental potential of immature oocytes retrieved from human chorionic gonadotropin-primed women with polycystic ovary syndrome undergoing in vitro maturation. *Fertil Steril*. 2009 Mar;91(3):957-9. Available from: PubMed; PMID 18321495

Vrbiklova J, Hill M, Starka L, Vondra K, Sulcova J, Snajderova M, Cibula D, Pobisova Z, Bendlova B. An analysis of the relationship between insulin resistance and the activity of steroid C17,20-lyase and 3beta-hydroxysteroid dehydrogenase in ovaries and adrenals in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2000;108(7):455-62. Available from: PubMed; PMID 11083066

Vrbikova J, Cifkova R, Jirkovska A, Lanska V, Platilova H, Zamrazil V, Starka L. Cardiovascular risk factors in young Czech females with polycystic ovary syndrome. *Hum Reprod*. 2003 May;18(5):980-4. Available from: PubMed; PMID 12721172

Vrbikova J, Tallova J, Bicikova M, Dvorakova K, Hill M, Starka L. Plasma thiols and androgen levels in polycystic ovary syndrome. *Clin Chem Lab Med*. 2003 Feb;41(2):216-21. Available from: PubMed; PMID 12667010

Vrbikova J, Hill M, Dvorakova K, Stanicka S, Vondra K, Starka L. Flutamide suppresses adrenal steroidogenesis but has no effect on insulin resistance and secretion and lipid levels in overweight women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2004;58(1):36-41. Available from: PubMed; PMID 15087595

Vrbikova J, Vondra K, Cibula D, Dvorakova K, Stanicka S, Sramkova D, Sindelka G, Hill M, Bendlova B, Skrha J. Metabolic syndrome in young Czech women with polycystic ovary syndrome. *Hum Reprod*. 2005 Dec;20(12):3328-32. Available from: PubMed; PMID 16085666

Vrbikova J, Dvorakova K, Grimmichova T, Hill M, Stanicka S, Cibula D, Bendlova B, Starka L, Vondra K. Prevalence of insulin resistance and prediction of glucose intolerance and type 2 diabetes mellitus in women with polycystic ovary syndrome. *Clin Chem Lab Med*. 2007;45(5):639-44. Available from: PubMed; PMID 17484627

Vrbikova J, Hainer V. Obesity and polycystic ovary syndrome. *Obes Facts*. 2009;2(1):26-35. Available from: PubMed; PMID 20054201

Vrbikova J, Zamrazilova H, Sedlackova B, Snajderova M. Metabolic syndrome in adolescents with polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Oct;27(10):820-2. Available from: PubMed; PMID 20807165

Vrtovec B, Meden-Vrtovec H, Jensterle M, Radovancevic B. Testosterone-related shortening of QTc interval in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2008 Jul;31(7):653-5. Available from: PubMed; PMID 18787386

Vural B, Caliskan E, Turkoz E, Kilic T, Demirci A. Evaluation of metabolic syndrome frequency and premature carotid atherosclerosis in young women with polycystic ovary syndrome. *Hum Reprod*. 2005 Sep;20(9):2409-13. Available from: PubMed; PMID 15919774

Vural P, Kusku-Kiraz Z, Dogru-Abbasoglu S, Cil E, Karadag B, Uysal M. Vascular endothelial growth factor +405 G/C, -460 T/C and -2578 A/C polymorphisms are not associated with insulin resistance in polycystic ovary syndrome. *Int J Immunogenet*. 2010 Aug;37(4):239-43. Available from: PubMed; PMID 20477880

Wang Y, Fedorcsak P, Dale PO, Storeng R, Abyholm T, Tanbo T. Simplification of continuous infusion of glucose with model assessment in the evaluation of insulin resistance in women with PCOS. *Gynecol Endocrinol*. 2001 Jun;15(3):192-7. Available from: PubMed; PMID 11447730

Wang HS, Wang TH. Polycystic ovary syndrome (PCOS), insulin resistance and insulin-like growth factors (IGFs)/IGF-binding proteins (IGFBPs). *Chang Gung Med J*. 2003 Aug;26(8):540-53. Available from: PubMed; PMID 14609034

Wang JG, Anderson RA, Graham GM, 3rd, Chu MC, Sauer MV, Guarnaccia MM, Lobo RA. The effect of cinnamon extract on insulin resistance parameters in polycystic ovary syndrome: a pilot study. *Fertil Steril*. 2007 Jul;88(1):240-3. Available from: PubMed; PMID 17296187

Wang ET, Calderon-Margalit R, Cedars MI, Daviglus ML, Merkin SS, Schreiner PJ, Sternfeld B, Wellons M, Schwartz SM, Lewis CE, Williams OD, Siscovick DS, Bibbins-Domingo K. Polycystic ovary syndrome and risk for long-term diabetes and dyslipidemia. *Obstet Gynecol*. 2011 Jan;117(1):6-13. Available from: PubMed; PMID 21173640

Wang Q, Guo T, Tao Y, Wang Q, Song Y, Huang W. Association between serum adipocyte factor level and insulin resistance in polycystic ovarian syndrome. *Gynecol Endocrinol*. 2011 Nov;27(11):931-4. Available from: PubMed; PMID 21495802

Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):311-30. Available from: PubMed; PMID 16772160

Weerakiet S. Polycystic ovary syndrome and the metabolic syndrome. *J Med Assoc Thai*. 2004 Oct;87 Suppl 3:S189-93. Available from: PubMed; PMID 21213522

- Weerakiet S, Srisombut C, Rojanasakul A, Panburana P, Thakkinstian A, Herabutya Y. Prevalence of gestational diabetes mellitus and pregnancy outcomes in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Sep;19(3):134-40. Available from: PubMed; PMID 15697074
- Weerakiet S, Bunnag P, Phakdeekitcharoen B, Wansumrith S, Chanprasertyothin S, Jultanas R, Thakkinstian A. Prevalence of the metabolic syndrome in Asian women with polycystic ovary syndrome: using the International Diabetes Federation criteria. *Gynecol Endocrinol*. 2007 Mar;23(3):153-60. Available from: PubMed; PMID 17454169
- Wehr E, Moller R, Horejsi R, Giuliani A, Kopera D, Schweighofer N, Groselj-Strele A, Pieber TR, Obermayer-Pietsch B. Subcutaneous adipose tissue topography and metabolic disturbances in polycystic ovary syndrome. *Wien Klin Wochenschr*. 2009;121(7-8):262-9. Available from: PubMed; PMID 19562283
- Wehr E, Pilz S, Schweighofer N, Giuliani A, Kopera D, Pieber TR, Obermayer-Pietsch B. Association of hypovitaminosis D with metabolic disturbances in polycystic ovary syndrome. *Eur J Endocrinol*. 2009 Oct;161(4):575-82. Available from: PubMed; PMID 19628650
- Wehr E, Trummer O, Giuliani A, Gruber HJ, Pieber TR, Obermayer-Pietsch B. Vitamin D-associated polymorphisms are related to insulin resistance and vitamin D deficiency in polycystic ovary syndrome. *Eur J Endocrinol*. 2011 May;164(5):741-9. Available from: PubMed; PMID 21389086
- Wei HJ, Young R, Kuo IL, Liaw CM, Chiang HS, Yeh CY. Prevalence of insulin resistance and determination of risk factors for glucose intolerance in polycystic ovary syndrome: a cross-sectional study of Chinese infertility patients. *Fertil Steril*. 2009 May;91(5):1864-8. Available from: PubMed; PMID 18565519
- Weickert MO, Hodges P, Tan BK, Randeve HS. Neuroendocrine and endocrine dysfunction in the hyperinsulinemic PCOS patient: the role of metformin. *Minerva Endocrinol*. 2012 Mar;37(1):25-40. Available from: PubMed; PMID 22382613
- Weiping L, Qingfeng C, Shikun M, Xiurong L, Hua Q, Xiaoshu B, Suhua Z, Qifu L. Elevated serum RBP4 is associated with insulin resistance in women with polycystic ovary syndrome. *Endocrine*. 2006 Dec;30(3):283-7. Available from: PubMed; PMID 17526940
- Welt CK, Gudmundsson JA, Arason G, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Characterizing discrete subsets of polycystic ovary syndrome as defined by the Rotterdam criteria: the impact of weight on phenotype and metabolic features. *J Clin Endocrinol Metab*. 2006 Dec;91(12):4842-8. Available from: PubMed; PMID 17003085
- Wenner MM, Taylor HS, Stachenfeld NS. Endothelin B receptor contribution to peripheral microvascular function in women with polycystic ovary syndrome. *J Physiol*. 2011 Oct 1;589(Pt 19):4671-9. Available from: PubMed; PMID 21825025
- Westerveld HE, Hoogendoorn M, de Jong AW, Goverde AJ, Fauser BC, Dallinga-Thie GM. Cardiometabolic abnormalities in the polycystic ovary syndrome: pharmacotherapeutic insights. *Pharmacol Ther*. 2008 Sep;119(3):223-41. Available from: PubMed; PMID 18602948
- Wickenheisser JK, Biegler JM, Nelson-Degrave VL, Legro RS, Strauss JF, 3rd, McAllister JM. Cholesterol side-chain cleavage gene expression in theca cells: augmented transcriptional regulation and mRNA stability in polycystic ovary syndrome. *PLoS One*. 2012;7(11):e48963. Available from: PubMed; PMID 23155436
- Wijeyaratne CN, Balen AH, Barth JH, Belchetz PE. Clinical manifestations and insulin resistance (IR) in polycystic ovary syndrome (PCOS) among South Asians and Caucasians: is there a difference? *Clin Endocrinol (Oxf)*. 2002 Sep;57(3):343-50. Available from: PubMed; PMID 12201826
- Wijeyaratne CN, Nirantharakumar K, Balen AH, Barth JH, Sheriff R, Belchetz PE. Plasma homocysteine in polycystic ovary syndrome: does it correlate with insulin resistance and ethnicity? *Clin Endocrinol (Oxf)*. 2004 May;60(5):560-7. Available from: PubMed; PMID 15104558
- Wijeyaratne CN, Waduge R, Arandara D, Arasalingam A, Sivasuriam A, Dodampahala SH, Balen AH. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG*. 2006 Oct;113(10):1182-7. Available from: PubMed; PMID 16972862
- Wijeyaratne CN, Seneviratne Rde A, Dahanayake S, Kumarapeli V, Palipane E, Kuruppu N, Yapa C, Seneviratne Rde A, Balen AH. Phenotype and metabolic profile of South Asian women with polycystic ovary syndrome (PCOS): results of a large database from a specialist Endocrine Clinic. *Hum Reprod*. 2011 Jan;26(1):202-13. Available from: PubMed; PMID 21098627
- Wild S, Pierpoint T, McKeigue P, Jacobs H. Cardiovascular disease in women with polycystic ovary syndrome at long-term follow-up: a retrospective cohort study. *Clin Endocrinol (Oxf)*. 2000 May;52(5):595-600. Available from: PubMed; PMID 10792339
- Wild RA. Polycystic ovary syndrome: a risk for coronary artery disease? *Am J Obstet Gynecol*. 2002 Jan;186(1):35-43. Available from: PubMed; PMID 11810081
- Wild RA. Pioglitazone and metformin for increased small low-density lipoprotein in polycystic ovary syndrome:

- counterpoint. *Am J Obstet Gynecol.* 2008 Jan;198(1):4-6. Available from: PubMed; PMID 18166296
- Wild RA, Carmina E, Diamanti-Kandarakis E, Dokras A, Escobar-Morreale HF, Futterweit W, Lobo R, Norman RJ, Talbott E, Dumesic DA. Assessment of cardiovascular risk and prevention of cardiovascular disease in women with the polycystic ovary syndrome: a consensus statement by the Androgen Excess and Polycystic Ovary Syndrome (AE-PCOS) Society. *J Clin Endocrinol Metab.* 2010 May;95(5):2038-49. Available from: PubMed; PMID 20375205
- Wild RA, Rizzo M, Clifton S, Carmina E. Lipid levels in polycystic ovary syndrome: systematic review and meta-analysis. *Fertil Steril.* 2011 Mar 1;95(3):1073-9 e1-11. Available from: PubMed; PMID 21247558
- Wild RA. Dyslipidemia in PCOS. *Steroids.* 2012 Mar 10;77(4):295-9. Available from: PubMed; PMID 22197663
- Wiltgen D, Furtado L, Kohek MB, Spritzer PM. CAPN10 UCSNP-43, UCSNP-19 and UCSNP-63 polymorphisms and metabolic syndrome in polycystic ovary syndrome. *Gynecol Endocrinol.* 2007 Mar;23(3):173-8. Available from: PubMed; PMID 17454172
- Wiltgen D, Benedetto IG, Mastella LS, Spritzer PM. Lipid accumulation product index: a reliable marker of cardiovascular risk in polycystic ovary syndrome. *Hum Reprod.* 2009 Jul;24(7):1726-31. Available from: PubMed; PMID 19329517
- Wiltgen D, Spritzer PM. Variation in metabolic and cardiovascular risk in women with different polycystic ovary syndrome phenotypes. *Fertil Steril.* 2010 Nov;94(6):2493-6. Available from: PubMed; PMID 20338557
- Wiwanitkit V. Insulin resistance and polycystic ovary syndrome. *J Pediatr Adolesc Gynecol.* 2011 Apr;24(2):e44. Available from: PubMed; PMID 20493742
- Wongwananuruk T, Rattanachaiyanont M, Indhavivadhana S, Leerasing P, Techatrasak K, Tanmahasamut P, Angsuwathana S, Dangrat C. Prevalence and clinical predictors of insulin resistance in reproductive-aged Thai women with polycystic ovary syndrome. *Int J Endocrinol.* 2012;2012:529184. Available from: PubMed; PMID 22287962
- Wongwananuruk T, Rattanachaiyanont M, Leerasing P, Indhavivadhana S, Techatrasak K, Angsuwathana S, Tanmahasamut P, Dangrat C. The Usefulness of Homeostatic Measurement Assessment-Insulin Resistance (HOMA-IR) for Detection of Glucose Intolerance in Thai Women of Reproductive Age with Polycystic Ovary Syndrome. *Int J Endocrinol.* 2012;2012:571035. Available from: PubMed; PMID 22737168
- Xiang SK, Hua F, Tang Y, Jiang XH, Zhuang Q, Qian FJ. Relationship between Serum Lipoprotein Ratios and Insulin Resistance in Polycystic Ovary Syndrome. *Int J Endocrinol.* 2012;2012:173281. Available from: PubMed; PMID 22792101
- Xiong YL, Liang XY, Yang X, Li Y, Wei LN. Low-grade chronic inflammation in the peripheral blood and ovaries of women with polycystic ovarian syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):148-50. Available from: PubMed; PMID 21908093
- Xita N, Georgiou I, Chatzikiyakidou A, Vounatsou M, Papassotiriou GP, Papassotiriou I, Tsatsoulis A. Effect of adiponectin gene polymorphisms on circulating adiponectin and insulin resistance indexes in women with polycystic ovary syndrome. *Clin Chem.* 2005 Feb;51(2):416-23. Available from: PubMed; PMID 15590747
- Xita N, Papassotiriou I, Georgiou I, Vounatsou M, Margeli A, Tsatsoulis A. The adiponectin-to-leptin ratio in women with polycystic ovary syndrome: relation to insulin resistance and proinflammatory markers. *Metabolism.* 2007 Jun;56(6):766-71. Available from: PubMed; PMID 17512308
- Yanes LL, Romero DG, Moulana M, Lima R, Davis DD, Zhang H, Lockhart R, Racusen LC, Reckelhoff JF. Cardiovascular-renal and metabolic characterization of a rat model of polycystic ovary syndrome. *Gend Med.* 2011 Apr;8(2):103-15. Available from: PubMed; PMID 21536229
- Yang S, Li Q, Song Y, Tian B, Cheng Q, Qing H, Zhong L, Xia W. Serum complement C3 has a stronger association with insulin resistance than high-sensitivity C-reactive protein in women with polycystic ovary syndrome. *Fertil Steril.* 2011 Apr;95(5):1749-53. Available from: PubMed; PMID 21316661
- Yang S, Li Q, Zhong L, Song Y, Tian B, Cheng Q, Qing H, Xia W, Luo M, Mei M. Serum pigment epithelium-derived factor is elevated in women with polycystic ovary syndrome and correlates with insulin resistance. *J Clin Endocrinol Metab.* 2011 Mar;96(3):831-6. Available from: PubMed; PMID 21209034
- Yarali H, Yildirim A, Aybar F, Kabakci G, Bukulmez O, Akgul E, Oto A. Diastolic dysfunction and increased serum homocysteine concentrations may contribute to increased cardiovascular risk in patients with polycystic ovary syndrome. *Fertil Steril.* 2001 Sep;76(3):511-6. Available from: PubMed; PMID 11532474
- Yasar HY, Ertugrul O. Clomiphene citrate-induced severe hypertriglyceridemia. *Fertil Steril.* 2009 Jul;92(1):396 e7-8. Available from: PubMed; PMID 19380127
- Yildir IC, Kutluturk F, Tasliyurt T, Yelken BM, Acu B, Beyhan M, Erkorkmaz U, Yilmaz A. Insulin resistance and cardiovascular risk factors in women with PCOS who have normal glucose tolerance test. *Gynecol Endocrinol.* 2012 Nov 5. Available from: PubMed; PMID 23127112

- Yildirim B, Sabir N, Kaleli B. Relation of intra-abdominal fat distribution to metabolic disorders in nonobese patients with polycystic ovary syndrome. *Fertil Steril*. 2003 Jun;79(6):1358-64. Available from: PubMed; PMID 12798883
- Yildirir A, Aybar F, Kabakci G, Yarali H, Oto A. Heart rate variability in young women with polycystic ovary syndrome. *Ann Noninvasive Electrocardiol*. 2006 Oct;11(4):306-12. Available from: PubMed; PMID 17040278
- Yildiz BO, Gedik O. Insulin resistance in polycystic ovary syndrome: hyperandrogenemia versus normoandrogenemia. *Eur J Obstet Gynecol Reprod Biol*. 2001 Dec 10;100(1):62-6. Available from: PubMed; PMID 11728659
- Yildiz BO, Haznedaroglu IC, Kirazli S, Bayraktar M. Global fibrinolytic capacity is decreased in polycystic ovary syndrome, suggesting a prothrombotic state. *J Clin Endocrinol Metab*. 2002 Aug;87(8):3871-5. Available from: PubMed; PMID 12161525
- Yildiz BO, Yarali H, Oguz H, Bayraktar M. Glucose intolerance, insulin resistance, and hyperandrogenemia in first degree relatives of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 May;88(5):2031-6. Available from: PubMed; PMID 12727950
- Yildiz BO, Gedik O. Assessment of glucose intolerance and insulin sensitivity in polycystic ovary syndrome. *Reprod Biomed Online*. 2004 Jun;8(6):649-56. Available from: PubMed; PMID 15169580
- Yildiz BO. Oral contraceptives in polycystic ovary syndrome: risk-benefit assessment. *Semin Reprod Med*. 2008 Jan;26(1):111-20. Available from: PubMed; PMID 18181089
- Yilmaz M, Biri A, Bukan N, Karakoc A, Sancak B, Toruner F, Pasaoglu H. Levels of lipoprotein and homocysteine in non-obese and obese patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 May;20(5):258-63. Available from: PubMed; PMID 16019370
- Yilmaz M, Biri A, Karakoc A, Toruner F, Bingol B, Cakir N, Tiras B, Ayvaz G, Arslan M. The effects of rosiglitazone and metformin on insulin resistance and serum androgen levels in obese and lean patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2005 Dec;28(11):1003-8. Available from: PubMed; PMID 16483179
- Yilmaz M, Bukan N, Ersoy R, Karakoc A, Yetkin I, Ayvaz G, Cakir N, Arslan M. Glucose intolerance, insulin resistance and cardiovascular risk factors in first degree relatives of women with polycystic ovary syndrome. *Hum Reprod*. 2005 Sep;20(9):2414-20. Available from: PubMed; PMID 15890734
- Yilmaz N, Pektas M, Tonguc E, Kilic S, Gulerman C, Gungor T, Mollamahmutoglu L. The correlation of plasma homocysteine with insulin resistance in polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2008 Jun;34(3):384-91. Available from: PubMed; PMID 18686355
- Yilmaz M, Isaoglu U, Delibas IB, Kadanali S. Anthropometric, clinical and laboratory comparison of four phenotypes of polycystic ovary syndrome based on Rotterdam criteria. *J Obstet Gynaecol Res*. 2011 Aug;37(8):1020-6. Available from: PubMed; PMID 21481088
- Yin Q, Chen X, Li L, Zhou R, Huang J, Yang D. Apolipoprotein B/apolipoprotein A1 ratio is a good predictive marker of metabolic syndrome and pre-metabolic syndrome in Chinese adolescent women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2012 Jun 4. Available from: PubMed; PMID 22672648
- Young IS, Nicholls DP. Lipid metabolism. *Curr Opin Lipidol*. 2010 Dec;21(6):550-1. Available from: PubMed; PMID 21206344
- Yucel A, Noyan V, Sagsoz N. The association of serum androgens and insulin resistance with fat distribution in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2006 May 1;126(1):81-6. Available from: PubMed; PMID 16337726
- Yuksel O, Dokmetas HS, Topcu S, Erselcan T, Sencan M. Relationship between bone mineral density and insulin resistance in polycystic ovary syndrome. *J Bone Miner Metab*. 2001;19(4):257-62. Available from: PubMed; PMID 11448019
- Zachurzok-Buczynska A, Szydowski L, Gawlik A, Wilk K, Malecka-Tendera E. Blood pressure regulation and resting heart rate abnormalities in adolescent girls with polycystic ovary syndrome. *Fertil Steril*. 2011 Dec;96(6):1519-25. Available from: PubMed; PMID 22032814
- Zacur HA. Polycystic ovary syndrome, hyperandrogenism, and insulin resistance. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):21-33. Available from: PubMed; PMID 11293002
- Zafar S. Role of metformin in correcting hyperinsulinemia, menstrual irregularity and anovulation in polycystic ovary syndrome. *J Ayub Med Coll Abbottabad*. 2005 Oct-Dec;17(4):54-6. Available from: PubMed; PMID 16599037
- Zhang YF, Yang YS, Hong J, Gu WQ, Shen CF, Xu M, Du PF, Li XY, Ning G. Elevated serum levels of interleukin-18 are associated with insulin resistance in women with polycystic ovary syndrome. *Endocrine*. 2006 Jun;29(3):419-23. Available from: PubMed; PMID 16943580
- Zhang HY, Zhu FF, Xiong J, Shi XB, Fu SX. Characteristics of different phenotypes of polycystic ovary

syndrome based on the Rotterdam criteria in a large-scale Chinese population. *BJOG*. 2009 Nov;116(12):1633-9. Available from: PubMed; PMID 19781047

Zhang J, Fan P, Liu H, Bai H, Wang Y, Zhang F. Apolipoprotein A-I and B levels, dyslipidemia and metabolic syndrome in south-west Chinese women with PCOS. *Hum Reprod*. 2012 Aug;27(8):2484-93. Available from: PubMed; PMID 22674204

Zhao S, Qiao J, Li M, Zhang X, Yu J, Li R. Discovery of distinct protein profiles for polycystic ovary syndrome with and without insulin resistance by surface-enhanced laser adsorption/ionization time of flight mass spectrometry. *Fertil Steril*. 2007 Jul;88(1):145-51. Available from: PubMed; PMID 17562338

Zhao L, Li W, Han F, Hou L, Baillargeon JP, Kuang H, Wang Y, Wu X. Berberine reduces insulin resistance induced by dexamethasone in theca cells in vitro. *Fertil Steril*. 2011 Jan;95(1):461-3. Available from: PubMed; PMID 20840879

Zhou N, Li W. Increased arterial stiffness in mildly-hypertensive women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2012 Jan;38(1):349. Available from: PubMed; PMID 22136153

Ziaee A, Oveisi S, Abedini A, Hashemipour S, Karimzadeh T, Ghorbani A. Effect of metformin and pioglitazone treatment on cardiovascular risk profile in polycystic ovary syndrome. *Acta Med Indones*. 2012 Jan;44(1):16-22. Available from: PubMed; PMID 22451180

Zueff LF, Martins WP, Vieira CS, Ferriani RA. Ultrasonographic and laboratory markers of metabolic and cardiovascular disease risk in obese women with polycystic ovary syndrome. *Ultrasound Obstet Gynecol*. 2012 Mar;39(3):341-7. Available from: PubMed; PMID 21898634

Zwirska-Korczala K, Sodowski K, Konturek SJ, Kuka D, Kukla M, Brzozowski T, Cnota W, Wozniak-Grygiel E, Jaworek J, Buldak R, Rybus-Kalinowska B, Fryczowski M. Postprandial response of ghrelin and PYY and indices of low-grade chronic inflammation in lean young women with polycystic ovary syndrome. *J Physiol Pharmacol*. 2008 Aug;59 Suppl 2:161-78. Available from: PubMed; PMID 18812636

## Obstructive Sleep Apnea

Alanbay I, Ercan CM, Sakinci M, Coksuer H, Ozturk M, Tapan S. A macrophage activation marker chitotriosidase in women with PCOS: does low-grade chronic inflammation in PCOS relate to PCOS itself or obesity? *Arch Gynecol Obstet*. 2012 Oct;286(4):1065-71. Available from: PubMed; PMID 22718099

Alanbay I, Mutlu Ercan C, Coksuer H, Sakinci M, Karasahin KE, Ozturk O, Yaman H. Neopterin: a promising marker for the inflammation in polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Nov;28(11):879-83. Available from: PubMed; PMID 22607465

Atabekoglu CS, Sonmezer M, Ozmen B, Yarci A, Akbiyik F, Tasci T, Aytac R. Increased monocyte chemoattractant protein-1 levels indicating early vascular damage in lean young PCOS patients. *Fertil Steril*. 2011 Jan;95(1):295-7. Available from: PubMed; PMID 20869052

Aydogdu A, Tasci I, Tapan S, Sonmez A, Aydogan U, Akbulut H, Uckaya G, Aydogdu S, Basaran Y, Meric C, Taslipinar A, Kurt I, Azal O. Women with polycystic ovary syndrome have increased plasma chitotriosidase activity: a pathophysiological link between inflammation and impaired insulin sensitivity? *Exp Clin Endocrinol Diabetes*. 2012 May;120(5):261-5. Available from: PubMed; PMID 22549343

Benson S, Janssen OE, Hahn S, Tan S, Dietz T, Mann K, Pleger K, Schedlowski M, Arck PC, Elsenbruch S. Obesity, depression, and chronic low-grade inflammation in women with polycystic ovary syndrome. *Brain Behav Immun*. 2008 Feb;22(2):177-84. Available from: PubMed; PMID 17716857

Bethea SW, Nestler JE. Comorbidities in polycystic ovary syndrome: their relationship to insulin resistance. *Panminerva Med*. 2008 Dec;50(4):295-304. Available from: PubMed; PMID 19078870

Bhatia V. Insulin resistance in polycystic ovarian disease. *South Med J*. 2005 Sep;98(9):903-10; quiz 11-2, 23. Available from: PubMed; PMID 16217983

Bloomgarden ZT. The American Diabetes Association's 57th annual advanced postgraduate course: diabetes risk, vitamin D, polycystic ovary syndrome, and obstructive sleep apnea. *Diabetes Care*. 2011 Jan;34(1):e1-6. Available from: PubMed; PMID 21193614

Chazenbalk G, Trivax BS, Yildiz BO, Bertolotto C, Mathur R, Heneidi S, Azziz R. Regulation of adiponectin secretion by adipocytes in the polycystic ovary syndrome: role of tumor necrosis factor- $\alpha$ . *J Clin Endocrinol Metab*. 2010 Feb;95(2):935-42. Available from: PubMed; PMID 20089616

Chazenbalk G, Chen YH, Heneidi S, Lee JM, Pall M, Chen YD, Azziz R. Abnormal expression of genes involved in inflammation, lipid metabolism, and Wnt signaling in the adipose tissue of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2012 May;97(5):E765-70. Available from: PubMed; PMID 22344199

Chen MJ, Chen HF, Chen SU, Ho HN, Yang YS, Yang WS. The relationship between follistatin and chronic low-grade inflammation in women with polycystic ovary



syndrome. *Fertil Steril*. 2009 Dec;92(6):2041-4. Available from: PubMed; PMID 19591997

Corbould A. Insulin resistance in skeletal muscle and adipose tissue in polycystic ovary syndrome: are the molecular mechanisms distinct from type 2 diabetes? *Panminerva Med*. 2008 Dec;50(4):279-94. Available from: PubMed; PMID 19078869

Costa LO, dos Santos MP, Oliveira M, Viana A. Low-grade chronic inflammation is not accompanied by structural arterial injury in polycystic ovary syndrome. *Diabetes Res Clin Pract*. 2008 Aug;81(2):179-83. Available from: PubMed; PMID 18499295

de Sousa G, Schluter B, Buschatz D, Menke T, Trowitzsch E, Andler W, Reinehr T. A comparison of polysomnographic variables between obese adolescents with polycystic ovarian syndrome and healthy, normal-weight and obese adolescents. *Sleep Breath*. 2010 Feb;14(1):33-8. Available from: PubMed; PMID 19585163

de Sousa G, Schluter B, Menke T, Trowitzsch E, Andler W, Reinehr T. A comparison of polysomnographic variables between adolescents with polycystic ovarian syndrome with and without the metabolic syndrome. *Metab Syndr Relat Disord*. 2011 Jun;9(3):191-6. Available from: PubMed; PMID 21352077

de Sousa G, Schluter B, Buschatz D, Menke T, Trowitzsch E, Andler W, Reinehr T. The impact of insulin resistance and hyperandrogenemia on polysomnographic variables in obese adolescents with polycystic ovarian syndrome. *Sleep Breath*. 2012 Mar;16(1):169-75. Available from: PubMed; PMID 21221823

Dhindsa G, Bhatia R, Dhindsa M, Bhatia V. Insulin resistance, insulin sensitization and inflammation in polycystic ovarian syndrome. *J Postgrad Med*. 2004 Apr-Jun;50(2):140-4. Available from: PubMed; PMID 15235215

Diamanti-Kandarakis E, Alexandraki K, Piperi C, Protogerou A, Katsikis I, Paterakis T, Lekakis J, Panidis D. Inflammatory and endothelial markers in women with polycystic ovary syndrome. *Eur J Clin Invest*. 2006 Oct;36(10):691-7. Available from: PubMed; PMID 16968464

Diamanti-Kandarakis E, Paterakis T, Alexandraki K, Piperi C, Aessopos A, Katsikis I, Katsilambros N, Kreams G, Panidis D. Indices of low-grade chronic inflammation in polycystic ovary syndrome and the beneficial effect of metformin. *Hum Reprod*. 2006 Jun;21(6):1426-31. Available from: PubMed; PMID 16497699

Diamanti-Kandarakis E, Paterakis T, Kandarakis HA. Indices of low-grade inflammation in polycystic ovary syndrome. *Ann N Y Acad Sci*. 2006 Dec;1092:175-86. Available from: PubMed; PMID 17308143

Diamanti-Kandarakis E, Piperi C, Spina J, Argyrakopoulou G, Papanastasiou L, Bergiele A, Panidis D. Polycystic ovary syndrome: the influence of environmental and genetic factors. *Hormones (Athens)*. 2006 Jan-Mar;5(1):17-34. Available from: PubMed; PMID 16728382

Dokras A. Cardiovascular disease risk factors in polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):39-44. Available from: PubMed; PMID 18181081

Duleba AJ, Dokras A. Is PCOS an inflammatory process? *Fertil Steril*. 2012 Jan;97(1):7-12. Available from: PubMed; PMID 22192135

Dunaif A. Polycystic ovary syndrome in 2011: Genes, aging and sleep apnea in polycystic ovary syndrome. *Nat Rev Endocrinol*. 2012 Feb;8(2):72-4. Available from: PubMed; PMID 22183129

Ehrmann DA. Metabolic dysfunction in pcos: Relationship to obstructive sleep apnea. *Steroids*. 2012 Mar 10;77(4):290-4. Available from: PubMed; PMID 22178788

Elia E, Vighi S, Lombardi E, Motta AB. Detrimental effects of hyperandrogenism on uterine functions. *Int Immunopharmacol*. 2008 Dec 20;8(13-14):1827-34. Available from: PubMed; PMID 18817896

Elia EM, Belgorosky D, Faut M, Vighi S, Pustovrh C, Luigi D, Motta AB. The effects of metformin on uterine tissue of hyperandrogenized BALB/c mice. *Mol Hum Reprod*. 2009 Jul;15(7):421-32. Available from: PubMed; PMID 19482906

Escobar-Morreale HF, Villuendas G, Botella-Carretero JJ, Sancho J, San Millan JL. Obesity, and not insulin resistance, is the major determinant of serum inflammatory cardiovascular risk markers in pre-menopausal women. *Diabetologia*. 2003 May;46(5):625-33. Available from: PubMed; PMID 12739017

Escobar-Morreale HF, Luque-Ramirez M, Gonzalez F. Circulating inflammatory markers in polycystic ovary syndrome: a systematic review and metaanalysis. *Fertil Steril*. 2011 Mar 1;95(3):1048-58 e1-2. Available from: PubMed; PMID 21168133

Essah PA, Arrowood JA, Cheang KI, Adawadkar SS, Stovall DW, Nestler JE. Effect of combined metformin and oral contraceptive therapy on metabolic factors and endothelial function in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2011 Aug;96(2):501-4 e2. Available from: PubMed; PMID 21733508

Fan P, Liu HW, Wan DH, Li Y, Song Q, Bai H. Altered distribution of plasma platelet-activating factor acetylhydrolase between high-density lipoprotein and low-density lipoprotein in patients with polycystic ovary syndrome. *Fertil Steril*. 2009 Dec;92(6):2054-7. Available from: PubMed; PMID 19596311

- Farrell K, Antoni MH. Insulin resistance, obesity, inflammation, and depression in polycystic ovary syndrome: biobehavioral mechanisms and interventions. *Fertil Steril*. 2010 Oct;94(5):1565-74. Available from: PubMed; PMID 20471009
- Fleming R. The use of insulin sensitising agents in ovulation induction in women with polycystic ovary syndrome. *Hormones (Athens)*. 2006 Jul-Sep;5(3):171-8. Available from: PubMed; PMID 16950750
- Fogel RB, Malhotra A, Pillar G, Pittman SD, Dunaif A, White DP. Increased prevalence of obstructive sleep apnea syndrome in obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2001 Mar;86(3):1175-80. Available from: PubMed; PMID 11238505
- Fulghesu AM, Sanna F, Uda S, Magnini R, Portoghese E, Batetta B. IL-6 serum levels and production is related to an altered immune response in polycystic ovary syndrome girls with insulin resistance. *Mediators Inflamm*. 2011;2011:389317. Available from: PubMed; PMID 21547256
- Giallauria F, Palomba S, Maresca L, Vuolo L, Tafuri D, Lombardi G, Colao A, Vigorito C, Francesco O. Exercise training improves autonomic function and inflammatory pattern in women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2008 Nov;69(5):792-8. Available from: PubMed; PMID 18505468
- Giallauria F, Orio F, Lombardi G, Colao A, Vigorito C, Tafuri MG, Palomba S. Relationship between heart rate recovery and inflammatory markers in patients with polycystic ovary syndrome: a cross-sectional study. *J Ovarian Res*. 2009;2:3. Available from: PubMed; PMID 19187547
- Giallauria F, Palomba S, De Sio I, Maresca L, Vuolo L, Savastano S, Lombardi G, Colao A, Vigorito C, Orio F. Inflammatory markers and visceral fat are inversely associated with maximal oxygen consumption in women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2009 Mar;70(3):394-400. Available from: PubMed; PMID 18616717
- Glintborg D, Andersen M, Richelsen B, Bruun JM. Plasma monocyte chemoattractant protein-1 (MCP-1) and macrophage inflammatory protein-1 $\alpha$  are increased in patients with polycystic ovary syndrome (PCOS) and associated with adiposity, but unaffected by pioglitazone treatment. *Clin Endocrinol (Oxf)*. 2009 Nov;71(5):652-8. Available from: PubMed; PMID 19170716
- Glintborg D, Andersen M. An update on the pathogenesis, inflammation, and metabolism in hirsutism and polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 Apr;26(4):281-96. Available from: PubMed; PMID 20141388
- Gonzalez F, Rote NS, Minium J, Kirwan JP. In vitro evidence that hyperglycemia stimulates tumor necrosis factor- $\alpha$  release in obese women with polycystic ovary syndrome. *J Endocrinol*. 2006 Mar;188(3):521-9. Available from: PubMed; PMID 16522732
- Gonzalez F, Rote NS, Minium J, Kirwan JP. Increased activation of nuclear factor kappaB triggers inflammation and insulin resistance in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Apr;91(4):1508-12. Available from: PubMed; PMID 16464947
- Gonzalez F, Rote NS, Minium J, Kirwan JP. Evidence of proatherogenic inflammation in polycystic ovary syndrome. *Metabolism*. 2009 Jul;58(7):954-62. Available from: PubMed; PMID 19375763
- Gonzalez F. Inflammation in Polycystic Ovary Syndrome: underpinning of insulin resistance and ovarian dysfunction. *Steroids*. 2012 Mar 10;77(4):300-5. Available from: PubMed; PMID 22178787
- Gonzalez F, Sia CL, Shepard MK, Rote NS, Minium J. Inflammation in response to glucose ingestion is independent of excess abdominal adiposity in normal-weight women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2012 Nov;97(11):4071-9. Available from: PubMed; PMID 22904174
- Gonzalez F, Sia CL, Stanczyk FZ, Blair HE, Krupa ME. Hyperandrogenism exerts an anti-inflammatory effect in obese women with polycystic ovary syndrome. *Endocrine*. 2012 Jul 1. Available from: PubMed; PMID 22752961
- Guzelmeric K, Alkan N, Pirimoglu M, Unal O, Turan C. Chronic inflammation and elevated homocysteine levels are associated with increased body mass index in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2007 Sep;23(9):505-10. Available from: PubMed; PMID 17852421
- Hahn S, Tan S, Elsenbruch S, Quadbeck B, Herrmann BL, Mann K, Janssen OE. Clinical and biochemical characterization of women with polycystic ovary syndrome in North Rhine-Westphalia. *Horm Metab Res*. 2005 Jul;37(7):438-44. Available from: PubMed; PMID 16034717
- Heutling D, Schulz H, Nickel I, Kleinstejn J, Kaltwasser P, Westphal S, Mittermayer F, Wolz M, Krzyzanowska K, Randeve H, Scherthaner G, Lehnert H. Asymmetrical dimethylarginine, inflammatory and metabolic parameters in women with polycystic ovary syndrome before and after metformin treatment. *J Clin Endocrinol Metab*. 2008 Jan;93(1):82-90. Available from: PubMed; PMID 17986642
- Hoeger KM. Polycystic ovary syndrome, inflammation, and statins: do we have the right target? *J Clin Endocrinol Metab*. 2009 Jan;94(1):35-7. Available from: PubMed; PMID 19126632
- Hoffman LK, Ehrmann DA. Cardiometabolic features of polycystic ovary syndrome. *Nat Clin Pract Endocrinol*

Metab. 2008 Apr;4(4):215-22. Available from: PubMed; PMID 18250636

Hu W, Qiao J, Yang Y, Wang L, Li R. Elevated C-reactive protein and monocyte chemoattractant protein-1 in patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jul;157(1):53-6. Available from: PubMed; PMID 21530057

Insenser M, Martinez-Garcia MA, Montes R, San-Millan JL, Escobar-Morreale HF. Proteomic analysis of plasma in the polycystic ovary syndrome identifies novel markers involved in iron metabolism, acute-phase response, and inflammation. *J Clin Endocrinol Metab.* 2010 Aug;95(8):3863-70. Available from: PubMed; PMID 20484478

Iyengar S, Schafer M, Haas G. Difficult cases in heart failure: polycystic ovary syndrome and heart failure. *Congest Heart Fail.* 2005 Jan-Feb;11(1):49-50. Available from: PubMed; PMID 15722670

Jatzko B, Ott J. Circulating inflammatory markers in polycystic ovary syndrome: a systematic review and meta-analysis. *Fertil Steril.* 2011 Oct;96(4):e158. Available from: PubMed; PMID 21839436

Kalgaonkar S, Almario RU, Gurusinge D, Garamendi EM, Buchan W, Kim K, Karakas SE. Differential effects of walnuts vs almonds on improving metabolic and endocrine parameters in PCOS. *Eur J Clin Nutr.* 2011 Mar;65(3):386-93. Available from: PubMed; PMID 21157477

Karadeniz M, Erdogan M, Zengi A, Tamsel S, Berdeli A, Saygili F, Yilmaz C. Polymorphism of the interleukin-10 gene in polycystic ovary syndrome. *Int J Immunogenet.* 2008 Apr;35(2):119-23. Available from: PubMed; PMID 18218037

Kasim-Karakas SE, Almario RU, Gregory L, Wong R, Todd H, Lasley BL. Metabolic and endocrine effects of a polyunsaturated fatty acid-rich diet in polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2004 Feb;89(2):615-20. Available from: PubMed; PMID 14764771

Kassi E, Diamanti-Kandarakis E. The effects of insulin sensitizers on the cardiovascular risk factors in women with polycystic ovary syndrome. *J Endocrinol Invest.* 2008 Dec;31(12):1124-31. Available from: PubMed; PMID 19246981

Kaya C, Pabuccu R, Cengiz SD, Dunder I. Comparison of the effects of atorvastatin and simvastatin in women with polycystic ovary syndrome: A prospective, randomized study. *Exp Clin Endocrinol Diabetes.* 2010 Mar;118(3):161-6. Available from: PubMed; PMID 20146169

Keller J, Mandala M, Casson P, Osol G. Endothelial dysfunction in a rat model of PCOS: evidence of increased vasoconstrictor prostanoid activity. *Endocrinology.* 2011

Dec;152(12):4927-36. Available from: PubMed; PMID 22028445

Kelly CC, Lyall H, Petrie JR, Gould GW, Connell JM, Sattar N. Low grade chronic inflammation in women with polycystic ovarian syndrome. *J Clin Endocrinol Metab.* 2001 Jun;86(6):2453-5. Available from: PubMed; PMID 11397838

Kilic S, Yilmaz N, Zulfikaroglu E, Erdogan G, Aydin M, Batioglu S. Inflammatory-metabolic parameters in obese and nonobese normoandrogenemic polycystic ovary syndrome during metformin and oral contraceptive treatment. *Gynecol Endocrinol.* 2011 Sep;27(9):622-9. Available from: PubMed; PMID 21105835

Kim YJ, Ku SY, Jee BC, Suh CS, Kim SH, Choi YM, Kim JG, Moon SY. A comparative study on the outcomes of in vitro fertilization between women with polycystic ovary syndrome and those with sonographic polycystic ovary-only in GnRH antagonist cycles. *Arch Gynecol Obstet.* 2010 Aug;282(2):199-205. Available from: PubMed; PMID 20182736

Knebel B, Janssen OE, Hahn S, Jacob S, Gleich J, Kotzka J, Muller-Wieland D. Increased low grade inflammatory serum markers in patients with Polycystic ovary syndrome (PCOS) and their relationship to PPARgamma gene variants. *Exp Clin Endocrinol Diabetes.* 2008 Aug;116(8):481-6. Available from: PubMed; PMID 18680073

Knebel B, Lehr S, Janssen OE, Hahn S, Nitzgen U, Jacob S, Haas J, Muller-Wieland D, Kotzka J. Genetic variants in central metabolic genes influence some but not all relations of inflammatory markers in a collective with polycystic ovary syndrome. *Arch Physiol Biochem.* 2012 Oct;118(4):219-29. Available from: PubMed; PMID 22738153

Kumbak B, Kahraman S. Efficacy of metformin supplementation during ovarian stimulation of lean PCOS patients undergoing in vitro fertilization. *Acta Obstet Gynecol Scand.* 2009;88(5):563-8. Available from: PubMed; PMID 19306135

Lajunen TK, Purhonen AK, Haapea M, Ruokonen A, Puukka K, Hartikainen AL, Savolainen MJ, Morin-Papunen L, Tapanainen JS, Franks S, Jarvelin MR, Herzig KH. Full-length visfatin levels are associated with inflammation in women with polycystic ovary syndrome. *Eur J Clin Invest.* 2012 Mar;42(3):321-8. Available from: PubMed; PMID 21913913

Lenarcik A, Bidzinska-Speichert B, Tworowska-Bardzinska U. The role of chronic inflammation and Leu55Met PON1 polymorphism in the pathogenesis of polycystic ovary syndrome. *Gynecol Endocrinol.* 2010 Sep;26(9):673-83. Available from: PubMed; PMID 20334584

- Lin YS, Tsai SJ, Lin MW, Yang CT, Huang MF, Wu MH. Interleukin-6 as an early chronic inflammatory marker in polycystic ovary syndrome with insulin receptor substrate-2 polymorphism. *Am J Reprod Immunol*. 2011 Dec;66(6):527-33. Available from: PubMed; PMID 21801267
- Lindholm A, Blomquist C, Bixo M, Dahlbom I, Hansson T, Sundstrom Poromaa I, Buren J. No difference in markers of adipose tissue inflammation between overweight women with polycystic ovary syndrome and weight-matched controls. *Hum Reprod*. 2011 Jun;26(6):1478-85. Available from: PubMed; PMID 21478181
- Luque-Ramirez M, Alpanes M, Escobar-Morreale HF. The determinants of insulin sensitivity, beta-cell function, and glucose tolerance are different in patients with polycystic ovary syndrome than in women who do not have hyperandrogenism. *Fertil Steril*. 2010 Nov;94(6):2214-21. Available from: PubMed; PMID 20097337
- Marino JS, Iler J, Dowling AR, Chua S, Bruning JC, Coppari R, Hill JW. Adipocyte Dysfunction in a Mouse Model of Polycystic Ovary Syndrome (PCOS): Evidence of Adipocyte Hypertrophy and Tissue-Specific Inflammation. *PLoS One*. 2012;7(10):e48643. Available from: PubMed; PMID 23119079
- Martinez-Garcia MA, Luque-Ramirez M, San-Millan JL, Escobar-Morreale HF. Body iron stores and glucose intolerance in premenopausal women: role of hyperandrogenism, insulin resistance, and genomic variants related to inflammation, oxidative stress, and iron metabolism. *Diabetes Care*. 2009 Aug;32(8):1525-30. Available from: PubMed; PMID 19401444
- Masi AT, Chrousos GP. Polycystic ovarian syndrome and rheumatoid arthritis: possible physiopathogenetic clues to hormonal influences on chronic inflammation. *Semin Arthritis Rheum*. 2003 Oct;33(2):67-71. Available from: PubMed; PMID 14625815
- Mohlig M, Spranger J, Osterhoff M, Ristow M, Pfeiffer AF, Schill T, Schlosser HW, Brabant G, Schofl C. The polycystic ovary syndrome per se is not associated with increased chronic inflammation. *Eur J Endocrinol*. 2004 Apr;150(4):525-32. Available from: PubMed; PMID 15080783
- Mohlig M, Weickert MO, Ghadamgahi E, Arafat AM, Spranger J, Pfeiffer AF, Schofl C. Retinol-binding protein 4 is associated with insulin resistance, but appears unsuited for metabolic screening in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2008 Apr;158(4):517-23. Available from: PubMed; PMID 18362299
- Mokhlesi B, Scoccia B, Mazzone T, Sam S. Risk of obstructive sleep apnea in obese and nonobese women with polycystic ovary syndrome and healthy reproductively normal women. *Fertil Steril*. 2012 Mar;97(3):786-91. Available from: PubMed; PMID 22264851
- Moran LJ, Meyer C, Hutchison SK, Zoungas S, Teede HJ. Novel inflammatory markers in overweight women with and without polycystic ovary syndrome and following pharmacological intervention. *J Endocrinol Invest*. 2010 Apr;33(4):258-65. Available from: PubMed; PMID 19834313
- Moran LJ, Noakes M, Wittert GA, Clifton PM, Norman RJ. Weight loss and vascular inflammatory markers in overweight women with and without polycystic ovary syndrome. *Reprod Biomed Online*. 2012 Nov;25(5):500-3. Available from: PubMed; PMID 22995747
- Morton A. Don't forget OSA with PCOS! *BJOG*. 2008 Jan;115(1):131-2. Available from: PubMed; PMID 18053115
- Niccoli G, Apa R, Lanzone A, Liuzzo G, Spaziani C, Sagnella F, Cosentino N, Moro F, Martinez D, Morciano A, Baca M, Pazzano V, Gangale MF, Tropea A, Crea F. CD4+CD28 null T lymphocytes are expanded in young women with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun 30;95(8):2651-4. Available from: PubMed; PMID 21324454
- Nitsche K, Ehrmann DA. Obstructive sleep apnea and metabolic dysfunction in polycystic ovary syndrome. *Best Pract Res Clin Endocrinol Metab*. 2010 Oct;24(5):717-30. Available from: PubMed; PMID 21112021
- Olszanecka-Glinianowicz M, Banas M, Zahorska-Markiewicz B, Janowska J, Kocelak P, Madej P, Klimek K. Is the polycystic ovary syndrome associated with chronic inflammation per se? *Eur J Obstet Gynecol Reprod Biol*. 2007 Aug;133(2):197-202. Available from: PubMed; PMID 17224231
- Olszanecka-Glinianowicz M, Zahorska-Markiewicz B, Kocelak P, Janowska J, Semik-Grabarczyk E. The effect of weight loss on inflammation in obese women with polycystic ovary syndrome. *Endokrynol Pol*. 2008 Jan-Feb;59(1):13-7. Available from: PubMed; PMID 18335395
- Orio F, Jr., Palomba S, Cascella T, Di Biase S, Manguso F, Tauchmanova L, Nardo LG, Labella D, Savastano S, Russo T, Zullo F, Colao A, Lombardi G. The increase of leukocytes as a new putative marker of low-grade chronic inflammation and early cardiovascular risk in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Jan;90(1):2-5. Available from: PubMed; PMID 15483098
- Ozcaka O, Ozturk Ceyhan B, Akcali A, Bicakci N, Lappin DF, Buduneli N. Is there an Interaction Between Polycystic Ovary Syndrome and Gingival Inflammation? *J Periodontol*. 2012 Apr 17. Available from: PubMed; PMID 22509751
- Puder JJ, Varga S, Kraenzlin M, De Geyter C, Keller U, Muller B. Central fat excess in polycystic ovary syndrome: relation to low-grade inflammation and insulin resistance. *J Clin Endocrinol Metab*. 2005 Nov;90(11):6014-21. Available from: PubMed; PMID 16105965

Puurunen J, Piltonen T, Morin-Papunen L, Perheentupa A, Jarvela I, Ruokonen A, Tapanainen JS. Unfavorable hormonal, metabolic, and inflammatory alterations persist after menopause in women with PCOS. *J Clin Endocrinol Metab.* 2011 Jun;96(6):1827-34. Available from: PubMed; PMID 21450988

Raja-Khan N, Kunselman AR, Hogeman CS, Stetter CM, Demers LM, Legro RS. Effects of atorvastatin on vascular function, inflammation, and androgens in women with polycystic ovary syndrome: a double-blind, randomized, placebo-controlled trial. *Fertil Steril.* 2011 Apr;95(5):1849-52. Available from: PubMed; PMID 21144505

Rajendran S, Willoughby SR, Chan WP, Liberts EA, Heresztyn T, Saha M, Marber MS, Norman RJ, Horowitz JD. Polycystic ovary syndrome is associated with severe platelet and endothelial dysfunction in both obese and lean subjects. *Atherosclerosis.* 2009 Jun;204(2):509-14. Available from: PubMed; PMID 19027116

Rashidi B, Abediasl J, Tehraninejad E, Rahmanpour H, Sills ES. Simvastatin effects on androgens, inflammatory mediators, and endogenous pituitary gonadotropins among patients with PCOS undergoing IVF: results from a prospective, randomized, placebo-controlled clinical trial. *J Investig Med.* 2011 Aug;59(6):912-6. Available from: PubMed; PMID 21527854

Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Rosiglitazone treatment alleviates inflammation and improves liver function in overweight women with polycystic ovary syndrome: a randomized placebo-controlled study. *Fertil Steril.* 2007 Jan;87(1):202-6. Available from: PubMed; PMID 17074328

Repaci A, Gambineri A, Pasquali R. The role of low-grade inflammation in the polycystic ovary syndrome. *Mol Cell Endocrinol.* 2011 Mar 15;335(1):30-41. Available from: PubMed; PMID 20708064

Rey-Roldan E, Perez Lana MB, Galluzzo L, Blanco G, Onetto C, Straminsky V, Nolting MP. Is the polycystic ovary syndrome the causative of the increase in inflammatory markers and metabolic risk? *Gynecol Endocrinol.* 2012 Nov 2. Available from: PubMed; PMID 23116196

Rezvanfar MA, Rezvanfar MA, Ahmadi A, Shojaei-Saadi HA, Baeeri M, Abdollahi M. Molecular mechanisms of a novel selenium-based complementary medicine which confers protection against hyperandrogenism-induced polycystic ovary. *Theriogenology.* 2012 Aug;78(3):620-31. Available from: PubMed; PMID 22541319

Roldan B, San Millan JL, Escobar-Morreale HF. Genetic basis of metabolic abnormalities in polycystic ovary syndrome: implications for therapy. *Am J Pharmacogenomics.* 2004;4(2):93-107. Available from: PubMed; PMID 15059032

Ruan X, Dai Y. Study on chronic low-grade inflammation and influential factors of polycystic ovary syndrome. *Med Princ Pract.* 2009;18(2):118-22. Available from: PubMed; PMID 19204430

Saha SA. Thrombocytosis in patients with polycystic ovary syndrome: reactive or culpable? *South Med J.* 2011 Apr;104(4):252-3. Available from: PubMed; PMID 21606690

Samy N, Hashim M, Sayed M, Said M. Clinical significance of inflammatory markers in polycystic ovary syndrome: their relationship to insulin resistance and body mass index. *Dis Markers.* 2009;26(4):163-70. Available from: PubMed; PMID 19729797

Sander V, Luchetti CG, Solano ME, Elia E, Di Girolamo G, Gonzalez C, Motta AB. Role of the N, N'-dimethylbiguanide metformin in the treatment of female prepuberal BALB/c mice hyperandrogenized with dehydroepiandrosterone. *Reproduction.* 2006 Mar;131(3):591-602. Available from: PubMed; PMID 16514202

Sanders MH. Increased risk of obstructive sleep apnea in obese women with polycystic ovary syndrome (a review of two related articles). Articles reviewed: 'Increased prevalence of obstructive sleep apnea syndrome in obese women with polycystic ovary syndrome' and 'Polycystic ovary syndrome is associated with obstructive sleep apnea and daytime sleepiness: role of insulin resistance'. *Sleep Med.* 2002 May;3(3):287-9. Available from: PubMed; PMID 14592223

Sathyapalan T, Atkin SL. Mediators of inflammation in polycystic ovary syndrome in relation to adiposity. *Mediators Inflamm.* 2010;2010:758656. Available from: PubMed; PMID 20396393

Seow KM, Juan CC, Wang PH, Ho LT, Hwang JL. Expression levels of vascular cell adhesion molecule-1 in young and nonobese women with polycystic ovary syndrome. *Gynecol Obstet Invest.* 2012;73(3):236-41. Available from: PubMed; PMID 22441212

Shi X, Zhang L, Fu S, Li N. Co-involvement of psychological and neurological abnormalities in infertility with polycystic ovarian syndrome. *Arch Gynecol Obstet.* 2011 Sep;284(3):773-8. Available from: PubMed; PMID 21688169

Shroff R, Kerchner A, Maifeld M, Van Beek EJ, Jagasia D, Dokras A. Young obese women with polycystic ovary syndrome have evidence of early coronary atherosclerosis. *J Clin Endocrinol Metab.* 2007 Dec;92(12):4609-14. Available from: PubMed; PMID 17848406

Sirmans SM, Weidman-Evans E, Everton V, Thompson D. Polycystic ovary syndrome and chronic inflammation: pharmacotherapeutic implications. *Ann Pharmacother.* 2012 Mar;46(3):403-18. Available from: PubMed; PMID 22388330

Solano ME, Sander VA, Ho H, Motta AB, Arck PC. Systemic inflammation, cellular influx and up-regulation of ovarian VCAM-1 expression in a mouse model of polycystic ovary syndrome (PCOS). *J Reprod Immunol*. 2011 Dec;92(1-2):33-44. Available from: PubMed; PMID 22018827

Srikanthan P, Korenman S, Davis S. Polycystic ovarian syndrome: the next cardiovascular dilemma in women? *Endocrinol Metab Clin North Am*. 2006 Sep;35(3):611-31, x. Available from: PubMed; PMID 16959589

Subramanian S, Desai A, Joshipura M, Surani S. Practice patterns of screening for sleep apnea in physicians treating PCOS patients. *Sleep Breath*. 2007 Dec;11(4):233-7. Available from: PubMed; PMID 17541663

Sun L, Hu W, Liu Q, Hao Q, Sun B, Zhang Q, Mao S, Qiao J, Yan X. Metabonomics reveals plasma metabolic changes and inflammatory marker in polycystic ovary syndrome patients. *J Proteome Res*. 2012 May 4;11(5):2937-46. Available from: PubMed; PMID 22428626

Tan BK, Adya R, Shan X, Aghilla M, Lehnert H, Keay SD, Randeve HS. The anti-atherogenic aspect of metformin treatment in insulin resistant women with the polycystic ovary syndrome: role of the newly established pro-inflammatory adipokine Acute-phase Serum Amyloid A; evidence of an adipose tissue-monocyte axis. *Atherosclerosis*. 2011 Jun;216(2):402-8. Available from: PubMed; PMID 20869715

Tarkun I, Arslan BC, Canturk Z, Turemen E, Sahin T, Duman C. Endothelial dysfunction in young women with polycystic ovary syndrome: relationship with insulin resistance and low-grade chronic inflammation. *J Clin Endocrinol Metab*. 2004 Nov;89(11):5592-6. Available from: PubMed; PMID 15531516

Tasali E, Van Cauter E, Ehrmann DA. Polycystic Ovary Syndrome and Obstructive Sleep Apnea. *Sleep Med Clin*. 2008 Mar;3(1):37-46. Available from: PubMed; PMID 19255602

Tasali E, Van Cauter E, Hoffman L, Ehrmann DA. Impact of obstructive sleep apnea on insulin resistance and glucose tolerance in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Oct;93(10):3878-84. Available from: PubMed; PMID 18647805

Tasali E, Chapotot F, Leproult R, Whitmore H, Ehrmann DA. Treatment of obstructive sleep apnea improves cardiometabolic function in young obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Feb;96(2):365-74. Available from: PubMed; PMID 21123449

Teede HJ, Meyer C, Hutchison SK, Zoungas S, McGrath BP, Moran LJ. Endothelial function and insulin resistance in polycystic ovary syndrome: the effects of medical

therapy. *Fertil Steril*. 2010 Jan;93(1):184-91. Available from: PubMed; PMID 19019358

Thomann R, Rossinelli N, Keller U, Tirri BF, De Geyter C, Ruiz J, Kranzlin M, Puder JJ. Differences in low-grade chronic inflammation and insulin resistance in women with previous gestational diabetes mellitus and women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Apr;24(4):199-206. Available from: PubMed; PMID 18382906

Vgontzas AN, Legro RS, Bixler EO, Grayev A, Kales A, Chrousos GP. Polycystic ovary syndrome is associated with obstructive sleep apnea and daytime sleepiness: role of insulin resistance. *J Clin Endocrinol Metab*. 2001 Feb;86(2):517-20. Available from: PubMed; PMID 11158002

Vgontzas AN, Trakada G, Bixler EO, Lin HM, Pejovic S, Zoumakis E, Chrousos GP, Legro RS. Plasma interleukin 6 levels are elevated in polycystic ovary syndrome independently of obesity or sleep apnea. *Metabolism*. 2006 Aug;55(8):1076-82. Available from: PubMed; PMID 16839844

Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):311-30. Available from: PubMed; PMID 16772160

Wu R, Fujii S, Ryan NK, Van der Hoek KH, Jasper MJ, Sini I, Robertson SA, Robker RL, Norman RJ. Ovarian leukocyte distribution and cytokine/chemokine mRNA expression in follicular fluid cells in women with polycystic ovary syndrome. *Hum Reprod*. 2007 Feb;22(2):527-35. Available from: PubMed; PMID 16997933

Xiong YL, Liang XY, Yang X, Li Y, Wei LN. Low-grade chronic inflammation in the peripheral blood and ovaries of women with polycystic ovarian syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 Nov;159(1):148-50. Available from: PubMed; PMID 21908093

Yang HP, Kang JH, Su HY, Tzeng CR, Liu WM, Huang SY. Apnea-hypopnea index in nonobese women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2009 Jun;105(3):226-9. Available from: PubMed; PMID 19345941

Zwirska-Korczała K, Sadowski K, Konturek SJ, Kuka D, Kukla M, Brzozowski T, Cnota W, Wozniak-Grygiel E, Jaworek J, Buldak R, Rybus-Kalinowska B, Fryczowski M. Postprandial response of ghrelin and PYY and indices of low-grade chronic inflammation in lean young women with polycystic ovary syndrome. *J Physiol Pharmacol*. 2008 Aug;59 Suppl 2:161-78. Available from: PubMed; PMID 18812636

## Endometrial and Other Cancers

Abdel-Gadir A, Oyawoye OO, Chander BP. Coexistence of polycystic ovaries and uterine fibroids and their combined effect on the uterine artery blood flow in relation to age and parity. *J Reprod Med*. 2009 Jun;54(6):347-52. Available from: PubMed; PMID 19639923

Aghajanova L, Velarde MC, Giudice LC. Altered gene expression profiling in endometrium: evidence for progesterone resistance. *Semin Reprod Med*. 2010 Jan;28(1):51-8. Available from: PubMed; PMID 20104428

Araya AV, Aguirre A, Romero C, Miranda C, Molina MC, Ferreira A. Evaluation of tumor necrosis factor alpha production in ex vivo short term cultured whole blood from women with polycystic ovary syndrome. *Eur Cytokine Netw*. 2002 Oct-Dec;13(4):419-24. Available from: PubMed; PMID 12517726

Arifin E, Shively CA, Register TC, Cline JM. Polycystic ovary syndrome with endometrial hyperplasia in a cynomolgus monkey (*Macaca fascicularis*). *Vet Pathol*. 2008 Jul;45(4):512-5. Available from: PubMed; PMID 18587099

Atiomo WU, El-Mahdi E, Hardiman P. Familial associations in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Jul;80(1):143-5. Available from: PubMed; PMID 12849816

Atiomo W, Read A, Golding M, Silcocks P, Razali N, Sarkar S, Hardiman P, Thornton J. Local recruitment experience in a study comparing the effectiveness of a low glycaemic index diet with a low calorie healthy eating approach at achieving weight loss and reducing the risk of endometrial cancer in women with polycystic ovary syndrome (PCOS). *Contemp Clin Trials*. 2009 Sep;30(5):451-6. Available from: PubMed; PMID 19477300

Bacallao K, Leon L, Gabler F, Soto E, Romero C, Valladares L, Vega M. In situ estrogen metabolism in proliferative endometria from untreated women with polycystic ovarian syndrome with and without endometrial hyperplasia. *J Steroid Biochem Mol Biol*. 2008 May;110(1-2):163-9. Available from: PubMed; PMID 18467089

Balen A. Polycystic ovary syndrome and cancer. *Hum Reprod Update*. 2001 Nov-Dec;7(6):522-5. Available from: PubMed; PMID 11727859

Bloomgarden ZT. Second World Congress on the Insulin Resistance Syndrome: mediators, pediatric insulin resistance, the polycystic ovary syndrome, and malignancy.

*Diabetes Care*. 2005 Jul;28(7):1821-30. Available from: PubMed; PMID 15983348

Bloomgarden ZT. Gut hormones, obesity, polycystic ovarian syndrome, malignancy, and lipodystrophy syndromes. *Diabetes Care*. 2007 Jul;30(7):1934-9. Available from: PubMed; PMID 17596508

Brinton LA, Moghissi KS, Westhoff CL, Lamb EJ, Scoccia B. Cancer risk among infertile women with androgen excess or menstrual disorders (including polycystic ovary syndrome). *Fertil Steril*. 2010 Oct;94(5):1787-92. Available from: PubMed; PMID 19939368

Cattrall FR, Healy DL. Long-term metabolic, cardiovascular and neoplastic risks with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):803-12. Available from: PubMed; PMID 15380148

Chazenbalk G, Trivax BS, Yildiz BO, Bertolotto C, Mathur R, Heneidi S, Azziz R. Regulation of adiponectin secretion by adipocytes in the polycystic ovary syndrome: role of tumor necrosis factor- $\alpha$ . *J Clin Endocrinol Metab*. 2010 Feb;95(2):935-42. Available from: PubMed; PMID 20089616

Cheung AP. Ultrasound and menstrual history in predicting endometrial hyperplasia in polycystic ovary syndrome. *Obstet Gynecol*. 2001 Aug;98(2):325-31. Available from: PubMed; PMID 11506853

Chittenden BG, Fullerton G, Maheshwari A, Bhattacharya S. Polycystic ovary syndrome and the risk of gynaecological cancer: a systematic review. *Reprod Biomed Online*. 2009 Sep;19(3):398-405. Available from: PubMed; PMID 19778486

Choi YS, Yang HI, Cho S, Jung JA, Jeon YE, Kim HY, Seo SK, Lee BS. Serum asymmetric dimethylarginine, apelin, and tumor necrosis factor-alpha levels in non-obese women with polycystic ovary syndrome. *Steroids*. 2012 Nov;77(13):1352-8. Available from: PubMed; PMID 22944040

Costello M, Shrestha B, Eden J, Sjoblom P, Johnson N. Insulin-sensitising drugs versus the combined oral contraceptive pill for hirsutism, acne and risk of diabetes, cardiovascular disease, and endometrial cancer in polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2007 (1):CD005552. Available from: PubMed; PMID 17253562

de Franca Neto AH, Rogatto S, Do Amorim MM, Tamanaha S, Aoki T, Aldrighi JM. Oncological repercussions of polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 Oct;26(10):708-11. Available from: PubMed; PMID 20528205

Diamanti-Kandarakis E, Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Nestler JE. A modern medical quandary: polycystic ovary syndrome, insulin resistance, and oral

contraceptive pills. *J Clin Endocrinol Metab.* 2003 May;88(5):1927-32. Available from: PubMed; PMID 12727935

Elliott JL, Hosford SL, Demopoulos RI, Perloe M, Sills ES. Endometrial adenocarcinoma and polycystic ovary syndrome: risk factors, management, and prognosis. *South Med J.* 2001 May;94(5):529-31. Available from: PubMed; PMID 11372809

Ercan CM, Duru NK, Sakinci M, Alanbay I, Karasahin KE, Baser I. Successful twin pregnancy achieved by assisted reproductive technology in a patient with polycystic ovary syndrome with complex atypical endometrial hyperplasia treated with levonorgestrel-releasing intrauterine system. *Gynecol Endocrinol.* 2010 Feb;26(2):125-8. Available from: PubMed; PMID 20074021

Fanta M. Is polycystic ovary syndrome, a state of relative estrogen excess, a real risk factor for estrogen-dependant malignancies? *Gynecol Endocrinol.* 2012 Nov 5. Available from: PubMed; PMID 23127146

Fearnley EJ, Marquart L, Spurdle AB, Weinstein P, Webb PM. Polycystic ovary syndrome increases the risk of endometrial cancer in women aged less than 50 years: an Australian case-control study. *Cancer Causes Control.* 2010 Dec;21(12):2303-8. Available from: PubMed; PMID 20953904

Futterweit W. Polycystic ovary syndrome: a common reproductive and metabolic disorder necessitating early recognition and treatment. *Prim Care.* 2007 Dec;34(4):761-89, vi. Available from: PubMed; PMID 18061817

Gadducci A, Gargini A, Palla E, Fanucchi A, Genazzani AR. Polycystic ovary syndrome and gynecological cancers: is there a link? *Gynecol Endocrinol.* 2005 Apr;20(4):200-8. Available from: PubMed; PMID 16019362

Galazis N, Olaleye O, Haoula Z, Layfield R, Atiomo W. Proteomic biomarkers for ovarian cancer risk in women with polycystic ovary syndrome: a systematic review and biomarker database integration. *Fertil Steril.* 2012 Sep 5. Available from: PubMed; PMID 22959458

Giudice LC. Endometrium in PCOS: Implantation and predisposition to endocrine CA. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):235-44. Available from: PubMed; PMID 16772154

Gonzalez F, Minium J, Rote NS, Kirwan JP. Hyperglycemia alters tumor necrosis factor-alpha release from mononuclear cells in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Sep;90(9):5336-42. Available from: PubMed; PMID 15985479

Gonzalez F, Rote NS, Minium J, Kirwan JP. In vitro evidence that hyperglycemia stimulates tumor necrosis factor-alpha release in obese women with polycystic ovary syndrome. *J Endocrinol.* 2006 Mar;188(3):521-9. Available from: PubMed; PMID 16522732

Guzick DS. Ovulation induction management of PCOS. *Clin Obstet Gynecol.* 2007 Mar;50(1):255-67. Available from: PubMed; PMID 17304040

Haoula Z, Salman M, Atiomo W. Evaluating the association between endometrial cancer and polycystic ovary syndrome. *Hum Reprod.* 2012 May;27(5):1327-31. Available from: PubMed; PMID 22367984

Hardiman P, Pillay OC, Atiomo W. Polycystic ovary syndrome and endometrial carcinoma. *Lancet.* 2003 May 24;361(9371):1810-2. Available from: PubMed; PMID 12781553

Holm NS, Glintborg D, Andersen MS, Schledermann D, Ravn P. The prevalence of endometrial hyperplasia and endometrial cancer in women with polycystic ovary syndrome or hyperandrogenism. *Acta Obstet Gynecol Scand.* 2012 Oct;91(10):1173-6. Available from: PubMed; PMID 22583042

Hoyt KL, Schmidt MC. Polycystic ovary (Stein-Leventhal) syndrome: etiology, complications, and treatment. *Clin Lab Sci.* 2004 Summer;17(3):155-63. Available from: PubMed; PMID 15314890

Iatrakis G, Tsionis C, Adonakis G, Stoikidou M, Anthouli-Anagnostopoulou F, Parava M, Vouxinou A, Georgopoulos NA, Kourounis G. Polycystic ovarian syndrome, insulin resistance and thickness of the endometrium. *Eur J Obstet Gynecol Reprod Biol.* 2006 Aug;127(2):218-21. Available from: PubMed; PMID 16517043

Ireland K, Child T. Polycystic ovary syndrome and the postmenopausal woman. *J Br Menopause Soc.* 2006 Dec;12(4):143-8. Available from: PubMed; PMID 17178014

Jakimiuk AJ, Issat T. PCOS and cancer risk. *Folia Histochem Cytobiol.* 2009;47(5):S101-5. Available from: PubMed; PMID 20067879

Karabakhtsian R, Heller DS, Singhal P, Sama J. Malignant mixed mesodermal tumor in a young woman with polycystic ovary syndrome. A case report. *J Reprod Med.* 2002 Nov;47(11):946-8. Available from: PubMed; PMID 12497688

Kilicdag EB, Haydardedeoglu B, Cok T, Parlakgumus AH, Simsek E, Bolat FA. Polycystic ovary syndrome and increased polyp numbers as risk factors for malignant transformation of endometrial polyps in premenopausal women. *Int J Gynaecol Obstet.* 2011 Mar;112(3):200-3. Available from: PubMed; PMID 21247566

Kim CH, Ahn JW, You RM, Kim SH, Chae HD, Kang BM. Pioglitazone treatment decreases follicular fluid levels of tumor necrosis factor-alpha and interleukin-6 in patients with polycystic ovary syndrome. *Clin Exp Reprod Med.* 2011 Jun;38(2):98-102. Available from: PubMed; PMID 22384426



Korhonen S, Romppanen EL, Hiltunen M, Mannermaa A, Punnonen K, Hippelainen M, Heinonen S. Lack of association between C-850T polymorphism of the gene encoding tumor necrosis factor-alpha and polycystic ovary syndrome. *Gynecol Endocrinol*. 2002 Aug;16(4):271-4. Available from: PubMed; PMID 12396555

Legro RS. Polycystic ovary syndrome: the new millennium. *Mol Cell Endocrinol*. 2001 Nov 26;184(1-2):87-93. Available from: PubMed; PMID 11694344

Legro RS. Polycystic ovary syndrome. Long term sequelae and management. *Minerva Ginecol*. 2002 Apr;54(2):97-114. Available from: PubMed; PMID 12032449

Legro RS, McAllister JM. Hierarchical clustering and beyond in PCOS endometrium: brave new world. *J Clin Endocrinol Metab*. 2009 Apr;94(4):1084-5. Available from: PubMed; PMID 19349472

Lunde O, Tanbo T. Polycystic ovary syndrome: a follow-up study on diabetes mellitus, cardiovascular disease and malignancy 15-25 years after ovarian wedge resection. *Gynecol Endocrinol*. 2007 Dec;23(12):704-9. Available from: PubMed; PMID 18075845

Ma YM, Li R, Qiao J, Zhang XW, Wang SY, Zhang QF, Li L, Tu BB, Zhang X. Characteristics of abnormal menstrual cycle and polycystic ovary syndrome in community and hospital populations. *Chin Med J (Engl)*. 2010 Aug;123(16):2185-9. Available from: PubMed; PMID 20819662

MacLaughlan SD, Palomino WA, Mo B, Lewis TD, Lininger RA, Lessey BA. Endometrial expression of Cyr61: a marker of estrogenic activity in normal and abnormal endometrium. *Obstet Gynecol*. 2007 Jul;110(1):146-54. Available from: PubMed; PMID 17601910

Maggio MC, Liotta A, De Grazia E, Cimador M, Di Pace R, Corsello G. Polycystic ovary and gonadoblastoma in Turner's syndrome. *Minerva Pediatr*. 2007 Aug;59(4):397-401. Available from: PubMed; PMID 17947845

Mahajan NN, Singh R, Mahajan KN, Levine D. Sonographic evaluation of the endometrium in patients with a history or an appearance of polycystic ovarian syndrome. *J Ultrasound Med*. 2007 Jun;26(6):862; author reply Available from: PubMed; PMID 17526620

Makker A, Goel MM, Das V, Agarwal A. PI3K-Akt-mTOR and MAPK signaling pathways in polycystic ovarian syndrome, uterine leiomyomas and endometriosis: an update. *Gynecol Endocrinol*. 2012 Mar;28(3):175-81. Available from: PubMed; PMID 21916800

Marikinti K. Unusual presentation of a woman with polycystic ovaries and complex endometrial pathology. *Reprod Biomed Online*. 2006 Jan;12(1):39-42. Available from: PubMed; PMID 16454932

McCormick BA, Wilburn RD, Thomas MA, Williams DB, Maxwell R, Aubuchon M. Endometrial thickness predicts endometrial hyperplasia in patients with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun 30;95(8):2625-7. Available from: PubMed; PMID 21550041

## Fatty Liver

Baranova A, Tran TP, Bireddine A, Younossi ZM. Systematic review: association of polycystic ovary syndrome with metabolic syndrome and non-alcoholic fatty liver disease. *Aliment Pharmacol Ther*. 2011 Apr;33(7):801-14. Available from: PubMed; PMID 21251033

Barfield E, Liu YH, Kessler M, Pawelczak M, David R, Shah B. The prevalence of abnormal liver enzymes and metabolic syndrome in obese adolescent females with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2009 Oct;22(5):318-22. Available from: PubMed; PMID 19576817

Braillon A. Polycystic ovary syndrome. *N Engl J Med*. 2005 Jun 30;352(26):2756-7; author reply -7. Available from: PubMed; PMID 15987930

Brown AJ, Tendler DA, McMurray RG, Setji TL. Polycystic ovary syndrome and severe nonalcoholic steatohepatitis: beneficial effect of modest weight loss and exercise on liver biopsy findings. *Endocr Pract*. 2005 Sep-Oct;11(5):319-24. Available from: PubMed; PMID 16191492

Brzozowska MM, Ostapowicz G, Weltman MD. An association between non-alcoholic fatty liver disease and polycystic ovarian syndrome. *J Gastroenterol Hepatol*. 2009 Feb;24(2):243-7. Available from: PubMed; PMID 19215335

Carmina E. Need for liver evaluation in polycystic ovary syndrome. *J Hepatol*. 2007 Sep;47(3):313-5. Available from: PubMed; PMID 17624467

Cerda C, Perez-Ayuso RM, Riquelme A, Soza A, Villaseca P, Sir-Petermann T, Espinoza M, Pizarro M, Solis N, Miquel JF, Arrese M. Nonalcoholic fatty liver disease in women with polycystic ovary syndrome. *J Hepatol*. 2007 Sep;47(3):412-7. Available from: PubMed; PMID 17560682

Ciotta L, Pagano I, Stracquandano M, Formoso C. [Polycystic ovarian syndrome incidence in young women with non-alcoholic fatty liver disease]. *Minerva Ginecol*. 2011 Oct;63(5):429-37. Available from: PubMed; PMID 21926952

Cussons AJ, Watts GF, Mori TA, Stuckey BG. Omega-3 fatty acid supplementation decreases liver fat content in polycystic ovary syndrome: a randomized controlled trial

- employing proton magnetic resonance spectroscopy. *J Clin Endocrinol Metab.* 2009 Oct;94(10):3842-8. Available from: PubMed; PMID 19622617
- Economou F, Xyrafis X, Livadas S, Androulakis, II, Argyrakopoulou G, Christakou CD, Kandaraki E, Palioura E, Diamanti-Kandarakis E. In overweight/obese but not in normal-weight women, polycystic ovary syndrome is associated with elevated liver enzymes compared to controls. *Hormones (Athens).* 2009 Jul-Sep;8(3):199-206. Available from: PubMed; PMID 19671519
- Gambarin-Gelwan M, Kinkhabwala SV, Schiano TD, Bodian C, Yeh HC, Futterweit W. Prevalence of nonalcoholic fatty liver disease in women with polycystic ovary syndrome. *Clin Gastroenterol Hepatol.* 2007 Apr;5(4):496-501. Available from: PubMed; PMID 17287148
- Guo JY, Chen WX. [The relationship between nonalcoholic fatty liver disease and polycystic ovarian syndrome]. *Zhonghua Gan Zang Bing Za Zhi.* 2011 Apr;19(4):318-20. Available from: PubMed; PMID 21805747
- Gutierrez-Grobe Y, Ponciano-Rodriguez G, Ramos MH, Uribe M, Mendez-Sanchez N. Prevalence of non alcoholic fatty liver disease in premenopausal, postmenopausal and polycystic ovary syndrome women. The role of estrogens. *Ann Hepatol.* 2010 Oct-Dec;9(4):402-9. Available from: PubMed; PMID 21057159
- Hossain N, Stepanova M, Afendy A, Nader F, Younossi Y, Rafiq N, Goodman Z, Younossi ZM. Non-alcoholic steatohepatitis (NASH) in patients with polycystic ovarian syndrome (PCOS). *Scand J Gastroenterol.* 2011 Apr;46(4):479-84. Available from: PubMed; PMID 21114431
- Kauffman RP, Baker TE, Baker V, Kauffman MM, Castracane VD. Endocrine factors associated with non-alcoholic fatty liver disease in women with polycystic ovary syndrome: do androgens play a role? *Gynecol Endocrinol.* 2010 Jan;26(1):39-46. Available from: PubMed; PMID 20001571
- Kawasaki S, Hasegawa O, Satoh S, Numata K, Terauchi Y. Sonographic assessment of fatty liver infiltration using the measurement of para- and perirenal fat thickness. *J Clin Ultrasound.* 2010 Nov-Dec;38(9):470-4. Available from: PubMed; PMID 20806348
- Lerchbaum E, Gruber HJ, Schwetz V, Giuliani A, Moller R, Pieber TR, Obermayer-Pietsch B. Fatty liver index in polycystic ovary syndrome. *Eur J Endocrinol.* 2011 Dec;165(6):935-43. Available from: PubMed; PMID 21937505
- Ma RC, Liu KH, Lam PM, Cheung LP, Tam WH, Ko GT, Chan MH, Ho CS, Lam CW, Chu WC, Tong PC, So WY, Chan JC, Chow CC. Sonographic measurement of mesenteric fat predicts presence of fatty liver among subjects with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Mar;96(3):799-807. Available from: PubMed; PMID 21190980
- Markou A, Androulakis, II, Mourmouris C, Tsikkini A, Samara C, Sougioultzis S, Piaditis G, Kaltsas G. Hepatic steatosis in young lean insulin resistant women with polycystic ovary syndrome. *Fertil Steril.* 2010 Mar 1;93(4):1220-6. Available from: PubMed; PMID 19171337
- Martinez SR, Hagge RJ, Christensen SD, Webb JM. Metastatic breast cancer mimicking benign fatty liver infiltration. *Breast J.* 2008 Jan-Feb;14(1):108. Available from: PubMed; PMID 18186875
- Motta AB. Report of the international symposium: polycystic ovary syndrome: first Latin-American consensus. *Int J Clin Pract.* 2010 Apr;64(5):544-57. Available from: PubMed; PMID 20456209
- Qu ZY, Shi YH, Zhao DN, Jiang JJ, Ma ZX, Chen ZJ. [Effect of obesity on nonalcoholic fatty liver disease in Chinese women with polycystic ovary syndrome]. *Zhonghua Yi Xue Za Zhi.* 2010 Aug 3;90(29):2036-9. Available from: PubMed; PMID 21029639
- Setji TL, Holland ND, Sanders LL, Pereira KC, Diehl AM, Brown AJ. Nonalcoholic steatohepatitis and nonalcoholic fatty liver disease in young women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 May;91(5):1741-7. Available from: PubMed; PMID 16492691
- Styne DM. Review of the 2nd Annual World Congress on the Insulin Resistance Syndrome. *J Pediatr Endocrinol Metab.* 2005 Jul;18(7):723-6. Available from: PubMed; PMID 16128250
- Suzuki A, Abdelmalek MF. Nonalcoholic fatty liver disease in women. *Womens Health (Lond Engl).* 2009 Mar;5(2):191-203. Available from: PubMed; PMID 19245356
- Tan S, Bechmann LP, Benson S, Dietz T, Eichner S, Hahn S, Janssen OE, Lahner H, Gerken G, Mann K, Canbay A. Apoptotic markers indicate nonalcoholic steatohepatitis in polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2010 Jan;95(1):343-8. Available from: PubMed; PMID 19906783
- Targher G, Lippi G, Moghetti P. Metformin in polycystic ovary syndrome. *N Engl J Med.* 2008 Apr 24;358(17):1867; author reply 8. Available from: PubMed; PMID 18437728
- Targher G, Solagna E, Tosi F, Castello R, Spiazzi G, Zoppini G, Muggeo M, Day CP, Moghetti P. Abnormal serum alanine aminotransferase levels are associated with impaired insulin sensitivity in young women with polycystic ovary syndrome. *J Endocrinol Invest.* 2009 Sep;32(8):695-700. Available from: PubMed; PMID 19542757

- Vassilatou E, Lafoyianni S, Vryonidou A, Ioannidis D, Kosma L, Katsoulis K, Papavassiliou E, Tzavara I. Increased androgen bioavailability is associated with non-alcoholic fatty liver disease in women with polycystic ovary syndrome. *Hum Reprod*. 2010 Jan;25(1):212-20. Available from: PubMed; PMID 19887498
- Weickert MO, Hodges P, Tan BK, Randeve HS. Neuroendocrine and endocrine dysfunction in the hyperinsulinemic PCOS patient: the role of metformin. *Minerva Endocrinol*. 2012 Mar;37(1):25-40. Available from: PubMed; PMID 22382613
- Zheng RH, Ding CF. [Prevalence of nonalcoholic fatty liver disease in patients with polycystic ovary syndrome: a case-control study]. *Zhonghua Fu Chan Ke Za Zhi*. 2008 Feb;43(2):98-101. Available from: PubMed; PMID 18683746
- Zueff LF, Martins WP, Vieira CS, Ferriani RA. Ultrasonographic and laboratory markers of metabolic and cardiovascular disease risk in obese women with polycystic ovary syndrome. *Ultrasound Obstet Gynecol*. 2012 Mar;39(3):341-7. Available from: PubMed; PMID 21898634
- Mikhail E, Cope D. Polycystic ovary syndrome. *N Engl J Med*. 2005 Jun 30;352(26):2756-7; author reply -7. Available from: PubMed; PMID 15991359
- Moini A, Eslami B. Familial associations between polycystic ovarian syndrome and common diseases. *J Assist Reprod Genet*. 2009 Mar;26(2-3):123-7. Available from: PubMed; PMID 19205868
- Navaratnarajah R, Pillay OC, Hardiman P. Polycystic ovary syndrome and endometrial cancer. *Semin Reprod Med*. 2008 Jan;26(1):62-71. Available from: PubMed; PMID 18181084
- Oztoprak I, Eqlimez H, Oztoprak B, Gumus C. Complicated giant polycystic ovary mimicking tumor: MR imaging findings. *Pediatr Radiol*. 2007 Feb;37(2):233-6. Available from: PubMed; PMID 17180658
- Palomba S, Falbo A, Zullo F, Orio F, Jr. Evidence-based and potential benefits of metformin in the polycystic ovary syndrome: a comprehensive review. *Endocr Rev*. 2009 Feb;30(1):1-50. Available from: PubMed; PMID 19056992
- Palomba S, Russo T, Falbo A, Di Cello A, Amendola G, Mazza R, Tolino A, Zullo F, Tucci L, La Sala GB. Decidual endovascular trophoblast invasion in women with polycystic ovary syndrome: an experimental case-control study. *J Clin Endocrinol Metab*. 2012 Jul;97(7):2441-9. Available from: PubMed; PMID 22508703
- Papaioannou S, Tzafettas J. Anovulation with or without PCO, hyperandrogenaemia and hyperinsulinaemia as promoters of endometrial and breast cancer. *Best Pract Res Clin Obstet Gynaecol*. 2010 Feb;24(1):19-27. Available from: PubMed; PMID 19264556
- Peri N, Levine D. Sonographic evaluation of the endometrium in patients with a history or an appearance of polycystic ovarian syndrome. *J Ultrasound Med*. 2007 Jan;26(1):55-8; quiz 9-60. Available from: PubMed; PMID 17182709
- Pillay OC, Te Fong LF, Crow JC, Benjamin E, Mould T, Atiomo W, Menon PA, Leonard AJ, Hardiman P. The association between polycystic ovaries and endometrial cancer. *Hum Reprod*. 2006 Apr;21(4):924-9. Available from: PubMed; PMID 16361289
- Raskauskas TA. Metformin in polycystic ovary syndrome. *N Engl J Med*. 2008 Apr 24;358(17):1866-7; author reply 8. Available from: PubMed; PMID 18434659
- Sindi O, Saleh A, Rouzi AA. Diagnosis of simple endometrial hyperplasia in a woman with polycystic ovary syndrome with use of hysterosalpingography. *Fertil Steril*. 2002 May;77(5):1069-70. Available from: PubMed; PMID 12009371
- Stikkelbroeck NM, Hermus AR, Schouten D, Suliman HM, Jager GJ, Braat DD, Otten BJ. Prevalence of ovarian adrenal rest tumours and polycystic ovaries in females with congenital adrenal hyperplasia: results of ultrasonography and MR imaging. *Eur Radiol*. 2004 Oct;14(10):1802-6. Available from: PubMed; PMID 15322809
- Talmon GA, Persidskii I, Gulizia JA. A cystic mass in a young woman with presumed polycystic ovarian syndrome. *Gynandroblastoma*. *Arch Pathol Lab Med*. 2006 Feb;130(2):225-6. Available from: PubMed; PMID 16454570
- Tarkun I, Cetinarslan B, Turemen E, Canturk Z, Biyikli M. Association between Circulating Tumor Necrosis Factor-Alpha, Interleukin-6, and Insulin Resistance in Normal-Weight Women with Polycystic Ovary Syndrome. *Metab Syndr Relat Disord*. 2006 Summer;4(2):122-8. Available from: PubMed; PMID 18370758
- Vaikkakara S, Al-Ozairi E, Lim E, Advani A, Ball SG, James RA, Quinton R. The investigation and management of severe hyperandrogenism pre- and postmenopause: non-tumor disease is strongly associated with metabolic syndrome and typically responds to insulin-sensitization with metformin. *Gynecol Endocrinol*. 2008 Feb;24(2):87-92. Available from: PubMed; PMID 18210332
- Villavicencio A, Bacallao K, Avellaira C, Gabler F, Fuentes A, Vega M. Androgen and estrogen receptors and co-regulators levels in endometria from patients with polycystic ovarian syndrome with and without endometrial hyperplasia. *Gynecol Oncol*. 2006 Oct;103(1):307-14. Available from: PubMed; PMID 16677694
- Villavicencio A, Bacallao K, Gabler F, Fuentes A, Alborno J, Casals A, Vega M. Deregulation of tissue

homeostasis in endometria from patients with polycystic ovarian syndrome with and without endometrial hyperplasia. *Gynecol Oncol.* 2007 Feb;104(2):290-5. Available from: PubMed; PMID 17030058

Villavicencio A, Goyeneche A, Telleria C, Bacallao K, Gabler F, Fuentes A, Vega M. Involvement of Akt, Ras and cell cycle regulators in the potential development of endometrial hyperplasia in women with polycystic ovarian syndrome. *Gynecol Oncol.* 2009 Oct;115(1):102-7. Available from: PubMed; PMID 19631369

Vural P, Degirmencioglu S, Saral NY, Akgul C. Tumor necrosis factor alpha (-308), interleukin-6 (-174) and interleukin-10 (-1082) gene polymorphisms in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2010 May;150(1):61-5. Available from: PubMed; PMID 20189706

Wise LA, Palmer JR, Stewart EA, Rosenberg L. Polycystic ovary syndrome and risk of uterine leiomyomata. *Fertil Steril.* 2007 May;87(5):1108-15. Available from: PubMed; PMID 17241625

Yamada S, Tanimoto A, Wang KY, Shimajiri S, Sasaguri Y. Stromal luteoma and nodular hyperthecosis of the bilateral ovaries associated with atypical endometrial hyperplasia of the uterus. *Pathol Int.* 2009 Nov;59(11):831-3. Available from: PubMed; PMID 19883437

Yun JH, Choi JW, Lee KJ, Shin JS, Baek KH. The promoter -1031(T/C) polymorphism in tumor necrosis factor-alpha associated with polycystic ovary syndrome. *Reprod Biol Endocrinol.* 2011;9:131. Available from: PubMed; PMID 21970639

## Mental Health

Adali E, Yildizhan R, Kurdoglu M, Kulusari A, Edirne T, Sahin HG, Yildizhan B, Kamaci M. The relationship between clinico-biochemical characteristics and psychiatric distress in young women with polycystic ovary syndrome. *J Int Med Res.* 2008 Nov-Dec;36(6):1188-96. Available from: PubMed; PMID 19094426

Agarwal SM, Behere RV, Venkatasubramanian G, Rao NP, Varambally S, Gangadhar BN. A case of successful treatment of comorbid obesity and polycystic ovarian disease with add-on metformin in bipolar disorder. *Prim Care Companion CNS Disord.* 2011;13(5). Available from: PubMed; PMID 22295263

Altug Sen T, Koken R, Narci A, Yilmazer M. Homocysteine and ghrelin link with polycystic ovary syndrome in relation to obesity. *J Pediatr Adolesc Gynecol.* 2011 Aug;24(4):211-7. Available from: PubMed; PMID 21458334

Andreou C, Syngelakis M, Karavatos A. Metformin for psychosis associated with the menstrual cycle in a patient

with polycystic ovary syndrome. *Arch Womens Ment Health.* 2008 Dec;11(5-6):387-8. Available from: PubMed; PMID 18827957

Baba T, Endo T, Honma H, Kitajima Y, Hayashi T, Ikeda H, Masumori N, Kamiya H, Moriwaka O, Saito T. Association between polycystic ovary syndrome and female-to-male transsexuality. *Hum Reprod.* 2007 Apr;22(4):1011-6. Available from: PubMed; PMID 17166864

Barnard L, Balen AH, Ferriday D, Tiplady B, Dye L. Cognitive functioning in polycystic ovary syndrome. *Psychoneuroendocrinology.* 2007 Sep-Nov;32(8-10):906-14. Available from: PubMed; PMID 17659845

Barnard L, Ferriday D, Guenther N, Strauss B, Balen AH, Dye L. Quality of life and psychological well being in polycystic ovary syndrome. *Hum Reprod.* 2007 Aug;22(8):2279-86. Available from: PubMed; PMID 17537782

Barry JA, Bouloux P, Hardiman PJ. The impact of eating behavior on psychological symptoms typical of reactive hypoglycemia. A pilot study comparing women with polycystic ovary syndrome to controls. *Appetite.* 2011 Aug;57(1):73-6. Available from: PubMed; PMID 21421016

Barry JA, Hardiman PJ, Saxby BK, Kuczmierczyk A. Testosterone and mood dysfunction in women with polycystic ovarian syndrome compared to subfertile controls. *J Psychosom Obstet Gynaecol.* 2011 Jun;32(2):104-11. Available from: PubMed; PMID 21473679

Barry JA, Kuczmierczyk AR, Hardiman PJ. Anxiety and depression in polycystic ovary syndrome: a systematic review and meta-analysis. *Hum Reprod.* 2011 Sep;26(9):2442-51. Available from: PubMed; PMID 21725075

Battaglia C, Nappi RE, Mancini F, Cianciosi A, Persico N, Busacchi P, Facchinetti F, Sisti G. PCOS, sexuality, and clitoral vascularisation: a pilot study. *J Sex Med.* 2008 Dec;5(12):2886-94. Available from: PubMed; PMID 19090942

Benson S, Janssen OE, Hahn S, Tan S, Dietz T, Mann K, Pleger K, Schedlowski M, Arck PC, Elsenbruch S. Obesity, depression, and chronic low-grade inflammation in women with polycystic ovary syndrome. *Brain Behav Immun.* 2008 Feb;22(2):177-84. Available from: PubMed; PMID 17716857

Benson S, Arck PC, Tan S, Hahn S, Mann K, Rifaie N, Janssen OE, Schedlowski M, Elsenbruch S. Disturbed stress responses in women with polycystic ovary syndrome. *Psychoneuroendocrinology.* 2009 Jun;34(5):727-35. Available from: PubMed; PMID 19150179

- Benson S, Hahn S, Tan S, Mann K, Janssen OE, Schedlowski M, Elsenbruch S. Prevalence and implications of anxiety in polycystic ovary syndrome: results of an internet-based survey in Germany. *Hum Reprod.* 2009 Jun;24(6):1446-51. Available from: PubMed; PMID 19223290
- Benson S, Hahn S, Tan S, Janssen OE, Schedlowski M, Elsenbruch S. Maladaptive coping with illness in women with polycystic ovary syndrome. *J Obstet Gynecol Neonatal Nurs.* 2010 Jan-Feb;39(1):37-45. Available from: PubMed; PMID 20409101
- Bhattacharya SM, Jha A. Prevalence and risk of depressive disorders in women with polycystic ovary syndrome (PCOS). *Fertil Steril.* 2010 Jun;94(1):357-9. Available from: PubMed; PMID 19896652
- Bilo L, Meo R. Polycystic ovary syndrome in women using valproate: a review. *Gynecol Endocrinol.* 2008 Oct;24(10):562-70. Available from: PubMed; PMID 19012099
- Bishop SC, Basch S, Futterweit W. Polycystic ovary syndrome, depression, and affective disorders. *Endocr Pract.* 2009 Jul-Aug;15(5):475-82. Available from: PubMed; PMID 19454378
- Blay SL. A case of major depressive disorder and symptoms of polycystic ovary syndrome responding to escitalopram. *Prim Care Companion CNS Disord.* 2011;13(6). Available from: PubMed; PMID 22454796
- Blume-Peytavi U, Gieler U, Hoffmann R, Lavery S, Shapiro J. Unwanted facial hair: affects, effects and solutions. *Dermatology.* 2007;215(2):139-46. Available from: PubMed; PMID 17684377
- Brown AJ. Depression and insulin resistance: applications to polycystic ovary syndrome. *Clin Obstet Gynecol.* 2004 Sep;47(3):592-6. Available from: PubMed; PMID 15326421
- Brown JT. Anabolic steroids: what should the emergency physician know? *Emerg Med Clin North Am.* 2005 Aug;23(3):815-26, ix-x. Available from: PubMed; PMID 15982547
- Casa A, Sesti F, Marziali M, Gulemi L, Piccione E. Transvaginal hydrolaparoscopic ovarian drilling using bipolar electrosurgery to treat anovulatory women with polycystic ovary syndrome. *J Am Assoc Gynecol Laparosc.* 2003 May;10(2):219-22. Available from: PubMed; PMID 12732776
- Castillo-Quan JI. Insulin resistance, hypercortisolism, polycystic ovarian syndrome, and depression--nonrandom associations? *Fertil Steril.* 2008 Apr;89(4):1029-30; author reply 30. Available from: PubMed; PMID 18325512
- Ching HL, Burke V, Stuckey BG. Quality of life and psychological morbidity in women with polycystic ovary syndrome: body mass index, age and the provision of patient information are significant modifiers. *Clin Endocrinol (Oxf).* 2007 Mar;66(3):373-9. Available from: PubMed; PMID 17302871
- Cinar N, Kizilarlanoglu MC, Harmanci A, Aksoy DY, Bozdogan G, Demir B, Yildiz BO. Depression, anxiety and cardiometabolic risk in polycystic ovary syndrome. *Hum Reprod.* 2011 Dec;26(12):3339-45. Available from: PubMed; PMID 21984577
- Cinar N, Harmanci A, Demir B, Yildiz BO. Effect of an oral contraceptive on emotional distress, anxiety and depression of women with polycystic ovary syndrome: a prospective study. *Hum Reprod.* 2012 Jun;27(6):1840-5. Available from: PubMed; PMID 22473394
- Cipkala-Gaffin J, Talbott EO, Song MK, Bromberger J, Wilson J. Associations between psychologic symptoms and life satisfaction in women with polycystic ovary syndrome. *J Womens Health (Larchmt).* 2012 Feb;21(2):179-87. Available from: PubMed; PMID 22004245
- Clayton WJ, Lipton M, Elford J, Rustin M, Sherr L. A randomized controlled trial of laser treatment among hirsute women with polycystic ovary syndrome. *Br J Dermatol.* 2005 May;152(5):986-92. Available from: PubMed; PMID 15888157
- Coffey S, Mason H. The effect of polycystic ovary syndrome on health-related quality of life. *Gynecol Endocrinol.* 2003 Oct;17(5):379-86. Available from: PubMed; PMID 14710585
- Cupisti S, Giltay EJ, Gooren LJ, Kronawitter D, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The impact of testosterone administration to female-to-male transsexuals on insulin resistance and lipid parameters compared with women with polycystic ovary syndrome. *Fertil Steril.* 2010 Dec;94(7):2647-53. Available from: PubMed; PMID 20451188
- De Cree C. Polycystic ovary syndrome and estrogen metabolism in female athletes. *Med Sci Sports Exerc.* 2010 Jan;42(1):216. Available from: PubMed; PMID 20016308
- de Niet JE, de Koning CM, Pastoor H, Duivenvoorden HJ, Valkenburg O, Ramakers MJ, Passchier J, de Klerk C, Laven JS. Psychological well-being and sexarache in women with polycystic ovary syndrome. *Hum Reprod.* 2010 Jun;25(6):1497-503. Available from: PubMed; PMID 20356900
- Deeks AA, Gibson-Helm ME, Teede HJ. Anxiety and depression in polycystic ovary syndrome: a comprehensive investigation. *Fertil Steril.* 2010 May 1;93(7):2421-3. Available from: PubMed; PMID 20117778
- Deeks AA, Gibson-Helm ME, Paul E, Teede HJ. Is having polycystic ovary syndrome a predictor of poor psychological function including anxiety and depression?

- Hum Reprod. 2011 Jun;26(6):1399-407. Available from: PubMed; PMID 21436137
- Dokras A, Clifton S, Futterweit W, Wild R. Increased risk for abnormal depression scores in women with polycystic ovary syndrome: a systematic review and meta-analysis. *Obstet Gynecol.* 2011 Jan;117(1):145-52. Available from: PubMed; PMID 21173657
- Dokras A. Mood and anxiety disorders in women with PCOS. *Steroids.* 2012 Mar 10;77(4):338-41. Available from: PubMed; PMID 22178257
- Dokras A, Clifton S, Futterweit W, Wild R. Increased prevalence of anxiety symptoms in women with polycystic ovary syndrome: systematic review and meta-analysis. *Fertil Steril.* 2012 Jan;97(1):225-30 e2. Available from: PubMed; PMID 22127370
- Dowdy D. Emotional needs of teens with polycystic ovary syndrome. *J Pediatr Nurs.* 2012 Feb;27(1):55-64. Available from: PubMed; PMID 22222107
- Elsenbruch S, Hahn S, Kowalsky D, Offner AH, Schedlowski M, Mann K, Janssen OE. Quality of life, psychosocial well-being, and sexual satisfaction in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Dec;88(12):5801-7. Available from: PubMed; PMID 14671172
- Elsenbruch S, Benson S, Hahn S, Tan S, Mann K, Pleger K, Kimmig R, Janssen OE. Determinants of emotional distress in women with polycystic ovary syndrome. *Hum Reprod.* 2006 Apr;21(4):1092-9. Available from: PubMed; PMID 16459352
- Ernst CL, Goldberg JF. The reproductive safety profile of mood stabilizers, atypical antipsychotics, and broad-spectrum psychotropics. *J Clin Psychiatry.* 2002;63 Suppl 4:42-55. Available from: PubMed; PMID 11913676
- Eyvazzadeh AD, Pennington KP, Pop-Busui R, Sowers M, Zubieta JK, Smith YR. The role of the endogenous opioid system in polycystic ovary syndrome. *Fertil Steril.* 2009 Jul;92(1):1-12. Available from: PubMed; PMID 19560572
- Farrell K, Antoni MH. Insulin resistance, obesity, inflammation, and depression in polycystic ovary syndrome: biobehavioral mechanisms and interventions. *Fertil Steril.* 2010 Oct;94(5):1565-74. Available from: PubMed; PMID 20471009
- Fernandez H, Faivre E, Gervaise A, Deffieux X. Laparoscopic ovarian drilling using a 5-French bipolar energy probe. *Fertil Steril.* 2010 Jul;94(2):740-1. Available from: PubMed; PMID 19446807
- Florakis D, Diamanti-Kandarakis E, Katsikis I, Nassiss GP, Karkanaki A, Georgopoulos N, Panidis D. Effect of hypocaloric diet plus sibutramine treatment on hormonal and metabolic features in overweight and obese women with polycystic ovary syndrome: a randomized, 24-week study. *Int J Obes (Lond).* 2008 Apr;32(4):692-9. Available from: PubMed; PMID 18071341
- Galletly C, Moran L, Noakes M, Clifton P, Tomlinson L, Norman R. Psychological benefits of a high-protein, low-carbohydrate diet in obese women with polycystic ovary syndrome--a pilot study. *Appetite.* 2007 Nov;49(3):590-3. Available from: PubMed; PMID 17509728
- Georgopoulos NA, Katsikis I, Florakis D, Panidis D, Kandarakis ED. Effect of sibutramine on weight reduction and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Jun;91(6):e1. Available from: PubMed; PMID 19362719
- Hagmar M, Berglund B, Brismar K, Hirschberg AL. Hyperandrogenism may explain reproductive dysfunction in olympic athletes. *Med Sci Sports Exerc.* 2009 Jun;41(6):1241-8. Available from: PubMed; PMID 19461542
- Hahn S, Janssen OE, Tan S, Pleger K, Mann K, Schedlowski M, Kimmig R, Benson S, Balamitsa E, Elsenbruch S. Clinical and psychological correlates of quality-of-life in polycystic ovary syndrome. *Eur J Endocrinol.* 2005 Dec;153(6):853-60. Available from: PubMed; PMID 16322391
- Hahn S, Benson S, Elsenbruch S, Pleger K, Tan S, Mann K, Schedlowski M, van Halteren WB, Kimmig R, Janssen OE. Metformin treatment of polycystic ovary syndrome improves health-related quality-of-life, emotional distress and sexuality. *Hum Reprod.* 2006 Jul;21(7):1925-34. Available from: PubMed; PMID 16549423
- Hashimoto DM, Schmid J, Martins FM, Fonseca AM, Andrade LH, Kirchengast S, Eggers S. The impact of the weight status on subjective symptomatology of the Polycystic Ovary Syndrome: a cross-cultural comparison between Brazilian and Austrian women. *Anthropol Anz.* 2003 Sep;61(3):297-310. Available from: PubMed; PMID 14524003
- Henmi H, Endo T, Nagasawa K, Hayashi T, Chida M, Akutagawa N, Iwasaki M, Kitajima Y, Kiya T, Nishikawa A, Manase K, Kudo R. Lysyl oxidase and MMP-2 expression in dehydroepiandrosterone-induced polycystic ovary in rats. *Biol Reprod.* 2001 Jan;64(1):157-62. Available from: PubMed; PMID 11133670
- Himelein MJ, Thatcher SS. Polycystic ovary syndrome and mental health: A review. *Obstet Gynecol Surv.* 2006 Nov;61(11):723-32. Available from: PubMed; PMID 17044949
- Himelein MJ, Thatcher SS. Depression and body image among women with polycystic ovary syndrome. *J Health Psychol.* 2006 Jul;11(4):613-25. Available from: PubMed; PMID 16769740
- Hollinrake E, Abreu A, Maifeld M, Van Voorhis BJ, Dokras A. Increased risk of depressive disorders in women

- with polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1369-76. Available from: PubMed; PMID 17397839
- Huber JC, Schneeberger C, Tempfer CB. Genetic modelling of the estrogen metabolism as a risk factor of hormone-dependent disorders. *Maturitas*. 2002 May 20;42(1):1-12. Available from: PubMed; PMID 12020974
- Ingudomnukul E, Baron-Cohen S, Wheelwright S, Knickmeyer R. Elevated rates of testosterone-related disorders in women with autism spectrum conditions. *Horm Behav*. 2007 May;51(5):597-604. Available from: PubMed; PMID 17462645
- Jahanfar S, Maleki H, Mosavi AR. Subclinical eating disorder, polycystic ovary syndrome- is there any connection between these two conditions through leptin- a twin study. *Med J Malaysia*. 2005 Oct;60(4):441-6. Available from: PubMed; PMID 16570705
- Janssen OE, Hahn S, Tan S, Benson S, Elsenbruch S. Mood and sexual function in polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):45-52. Available from: PubMed; PMID 18181082
- Jedel E, Waern M, Gustafson D, Landen M, Eriksson E, Holm G, Nilsson L, Lind AK, Janson PO, Stener-Victorin E. Anxiety and depression symptoms in women with polycystic ovary syndrome compared with controls matched for body mass index. *Hum Reprod*. 2010 Feb;25(2):450-6. Available from: PubMed; PMID 19933236
- Jedel E, Gustafson D, Waern M, Sverrisdottir YB, Landen M, Janson PO, Labrie F, Ohlsson C, Stener-Victorin E. Sex steroids, insulin sensitivity and sympathetic nerve activity in relation to affective symptoms in women with polycystic ovary syndrome. *Psychoneuroendocrinology*. 2011 Nov;36(10):1470-9. Available from: PubMed; PMID 21549510
- Jehaimi CT, Araiza VC, Batish SD, Brosnan PG. Polycystic ovaries and adrenal insufficiency in a young pubescent female with lipoid congenital adrenal hyperplasia due to splice mutation of the StAR gene: a case report and review of the literature. *J Pediatr Endocrinol Metab*. 2010 Dec;23(12):1225-31. Available from: PubMed; PMID 21714456
- Jiang B, Kenna HA, Rasgon NL. Genetic overlap between polycystic ovary syndrome and bipolar disorder: the endophenotype hypothesis. *Med Hypotheses*. 2009 Dec;73(6):996-1004. Available from: PubMed; PMID 19556071
- Joffe H, Hall JE, Cohen LS, Taylor AE, Baldessarini RJ. A putative relationship between valproic acid and polycystic ovarian syndrome: implications for treatment of women with seizure and bipolar disorders. *Harv Rev Psychiatry*. 2003 Mar-Apr;11(2):99-108. Available from: PubMed; PMID 12868510
- Joffe H, Cohen LS, Suppes T, Hwang CH, Molay F, Adams JM, Sachs GS, Hall JE. Longitudinal follow-up of reproductive and metabolic features of valproate-associated polycystic ovarian syndrome features: A preliminary report. *Biol Psychiatry*. 2006 Dec 15;60(12):1378-81. Available from: PubMed; PMID 16950230
- Jones GL, Benes K, Clark TL, Denham R, Holder MG, Haynes TJ, Mulgrew NC, Shepherd KE, Wilkinson VH, Singh M, Balen A, Lashen H, Ledger WL. The Polycystic Ovary Syndrome Health-Related Quality of Life Questionnaire (PCOSQ): a validation. *Hum Reprod*. 2004 Feb;19(2):371-7. Available from: PubMed; PMID 14747184
- Jones GL, Hall JM, Balen AH, Ledger WL. Health-related quality of life measurement in women with polycystic ovary syndrome: a systematic review. *Hum Reprod Update*. 2008 Jan-Feb;14(1):15-25. Available from: PubMed; PMID 17905857
- Kapoor S. Rimonabant: a rapidly expanding role in the management of metabolic and systemic disorders besides polycystic ovarian syndrome. *Clin Endocrinol (Oxf)*. 2009 Feb;70(2):339. Available from: PubMed; PMID 18625002
- Karabacak IY, Karabacak O, Toruner FB, Akdemir O, Arslan M. Treatment effect of sibutramine compared to fluoxetine on leptin levels in polycystic ovary disease. *Gynecol Endocrinol*. 2004 Oct;19(4):196-201. Available from: PubMed; PMID 15724802
- Kawamura S, Maesawa C, Nakamura K, Nakayama K, Morita M, Hiruma Y, Yoshida T, Sakai A, Masuda T. Predisposition for borderline personality disorder with comorbid major depression is associated with that for polycystic ovary syndrome in female Japanese population. *Neuropsychiatr Dis Treat*. 2011;7:655-62. Available from: PubMed; PMID 22090801
- Keegan A, Liao LM, Boyle M. 'Hirsutism': a psychological analysis. *J Health Psychol*. 2003 May;8(3):327-45. Available from: PubMed; PMID 14670212
- Kenna HA, Jiang B, Rasgon NL. Reproductive and metabolic abnormalities associated with bipolar disorder and its treatment. *Harv Rev Psychiatry*. 2009;17(2):138-46. Available from: PubMed; PMID 19373621
- Kerchner A, Lester W, Stuart SP, Dokras A. Risk of depression and other mental health disorders in women with polycystic ovary syndrome: a longitudinal study. *Fertil Steril*. 2009 Jan;91(1):207-12. Available from: PubMed; PMID 18249398
- Klipstein KG, Goldberg JF. Screening for bipolar disorder in women with polycystic ovary syndrome: a pilot study. *J Affect Disord*. 2006 Apr;91(2-3):205-9. Available from: PubMed; PMID 16487597

- Koch L. Reproductive Endocrinology: Androgens inversely related to depression in PCOS. *Nat Rev Endocrinol*. 2011 Aug;7(8):438. Available from: PubMed; PMID 21670758
- Kowalczyk R, Skrzypulec V, Lew-Starowicz Z, Nowosielski K, Grabski B, Merk W. Psychological gender of patients with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2012 Jun;91(6):710-4. Available from: PubMed; PMID 22443151
- Kumarapeli V, Seneviratne Rde A, Wijeyaratne C. Health-related quality of life and psychological distress in polycystic ovary syndrome: a hidden facet in South Asian women. *BJOG*. 2011 Feb;118(3):319-28. Available from: PubMed; PMID 21134104
- Laggari V, Diareme S, Christogiorgos S, Deligeoroglou E, Christopoulos P, Tsiantis J, Creatsas G. Anxiety and depression in adolescents with polycystic ovary syndrome and Mayer-Rokitansky-Kuster-Hauser syndrome. *J Psychosom Obstet Gynaecol*. 2009 Jun;30(2):83-8. Available from: PubMed; PMID 19533486
- Lakhani K, Yang W, Dooley A, El-Mahdi E, Sundaresan M, McLellan S, Bruckdorfer R, Leonard A, Seifalian A, Hardiman P. Aortic function is compromised in a rat model of polycystic ovary syndrome. *Hum Reprod*. 2006 Mar;21(3):651-6. Available from: PubMed; PMID 16311293
- Lamb JD, Johnstone EB, Rousseau JA, Jones CL, Pasch LA, Cedars MI, Huddleston HG. Physical activity in women with polycystic ovary syndrome: prevalence, predictors, and positive health associations. *Am J Obstet Gynecol*. 2011 Apr;204(4):352 e1-6. Available from: PubMed; PMID 21288501
- Li Y, Li Y, Yu Ng EH, Stener-Victorin E, Hou L, Wu T, Han F, Wu X. Polycystic ovary syndrome is associated with negatively variable impacts on domains of health-related quality of life: evidence from a meta-analysis. *Fertil Steril*. 2011 Aug;96(2):452-8. Available from: PubMed; PMID 21703610
- Lindholm A, Bixo M, Bjorn I, Wolner-Hanssen P, Eliasson M, Larsson A, Johnson O, Poromaa IS. Effect of sibutramine on weight reduction in women with polycystic ovary syndrome: a randomized, double-blind, placebo-controlled trial. *Fertil Steril*. 2008 May;89(5):1221-8. Available from: PubMed; PMID 17603048
- Livadas S, Chaskou S, Kandaraki AA, Skourletos G, Economou F, Christou M, Boutzios G, Karachalios A, Zerva A, Xyrafis X, Christakou C, Pighou AK, Diamanti-Kandaraki E. Anxiety is associated with hormonal and metabolic profile in women with polycystic ovarian syndrome. *Clin Endocrinol (Oxf)*. 2011 Nov;75(5):698-703. Available from: PubMed; PMID 21605157
- Magnotti M, Futterweit W. Obesity and the polycystic ovary syndrome. *Med Clin North Am*. 2007 Nov;91(6):1151-68, ix-x. Available from: PubMed; PMID 17964914
- Manlove HA, Guillermo C, Gray PB. Do women with polycystic ovary syndrome (PCOS) report differences in sex-typed behavior as children and adolescents?: Results of a pilot study. *Ann Hum Biol*. 2008 Nov-Dec;35(6):584-95. Available from: PubMed; PMID 18720090
- Mansson M, Holte J, Landin-Wilhelmsen K, Dahlgren E, Johansson A, Landen M. Women with polycystic ovary syndrome are often depressed or anxious--a case control study. *Psychoneuroendocrinology*. 2008 Sep;33(8):1132-8. Available from: PubMed; PMID 18672334
- Mansson M, Norstrom K, Holte J, Landin-Wilhelmsen K, Dahlgren E, Landen M. Sexuality and psychological wellbeing in women with polycystic ovary syndrome compared with healthy controls. *Eur J Obstet Gynecol Reprod Biol*. 2011 Apr;155(2):161-5. Available from: PubMed; PMID 21232840
- Matevosyan NR. Schizophrenia and Stein-Leventhal syndrome: comorbidity features. *Arch Gynecol Obstet*. 2011 Oct;284(4):1035-41. Available from: PubMed; PMID 21805145
- McClanahan KK, Omar HA. Navigating adolescence with a chronic health condition: a perspective on the psychological effects of HAIR-AN syndrome on adolescent girls. *ScientificWorldJournal*. 2006;6:1350-8. Available from: PubMed; PMID 17072487
- McDonough PG. Inactivating mutations in the LH receptor--as rare as "a hen with teeth" or as frequent as polycystic ovary syndrome? *Fertil Steril*. 2000 Mar;73(3):655-6. Available from: PubMed; PMID 10733311
- McIntyre RS, Mancini DA, McCann S, Srinivasan J, Kennedy SH. Valproate, bipolar disorder and polycystic ovarian syndrome. *Bipolar Disord*. 2003 Feb;5(1):28-35. Available from: PubMed; PMID 12656935
- Michelmores KF, Balen AH, Dunger DB. Polycystic ovaries and eating disorders: Are they related? *Hum Reprod*. 2001 Apr;16(4):765-9. Available from: PubMed; PMID 11278230
- Moll E, van Wely M, Lambalk CB, Bossuyt PM, van der Veen F. Health-related quality of life in women with newly diagnosed polycystic ovary syndrome randomized between clomifene citrate plus metformin or clomifene citrate plus placebo. *Hum Reprod*. 2012 Nov;27(11):3273-8. Available from: PubMed; PMID 22926838
- Moran L, Gibson-Helm M, Teede H, Deeks A. Polycystic ovary syndrome: a biopsychosocial understanding in young women to improve knowledge and treatment options. *J Psychosom Obstet Gynaecol*. 2010 Mar;31(1):24-31. Available from: PubMed; PMID 20050767



- Moran LJ, Deeks AA, Gibson-Helm ME, Teede HJ. Psychological parameters in the reproductive phenotypes of polycystic ovary syndrome. *Hum Reprod*. 2012 Jul;27(7):2082-8. Available from: PubMed; PMID 22493025
- Motta AB. The role of obesity in the development of polycystic ovary syndrome. *Curr Pharm Des*. 2012;18(17):2482-91. Available from: PubMed; PMID 22376149
- Mueller A, Gooren LJ, Naton-Schotz S, Cupisti S, Beckmann MW, Dittlich R. Prevalence of polycystic ovary syndrome and hyperandrogenemia in female-to-male transsexuals. *J Clin Endocrinol Metab*. 2008 Apr;93(4):1408-11. Available from: PubMed; PMID 18211977
- Nandalike K, Strauss T, Agarwal C, Coupey SM, Sin S, Rajpathak S, Cohen HW, Arens R. Screening for sleep-disordered breathing and excessive daytime sleepiness in adolescent girls with polycystic ovarian syndrome. *J Pediatr*. 2011 Oct;159(4):591-6. Available from: PubMed; PMID 21645911
- O'Donovan C, Kusumakar V, Graves GR, Bird DC. Menstrual abnormalities and polycystic ovary syndrome in women taking valproate for bipolar mood disorder. *J Clin Psychiatry*. 2002 Apr;63(4):322-30. Available from: PubMed; PMID 12000206
- Papaleo E, Doldi N, De Santis L, Marelli G, Marsiglio E, Rofena S, Ferrari A. Cabergoline influences ovarian stimulation in hyperprolactinaemic patients with polycystic ovary syndrome. *Hum Reprod*. 2001 Nov;16(11):2263-6. Available from: PubMed; PMID 11679501
- Pastore LM, Patrie JT, Morris WL, Dalal P, Bray MJ. Depression symptoms and body dissatisfaction association among polycystic ovary syndrome women. *J Psychosom Res*. 2011 Oct;71(4):270-6. Available from: PubMed; PMID 21911106
- Peacock A, Alvi NS, Mushtaq T. Period problems: disorders of menstruation in adolescents. *Arch Dis Child*. 2012 Jun;97(6):554-60. Available from: PubMed; PMID 20576661
- Perciaccante A. Insulin resistance as link between polycystic ovary syndrome and cardiovascular autonomic dysfunction. *Int J Cardiol*. 2009 Jul 10;135(3):e78-9. Available from: PubMed; PMID 18639353
- Peritogiannis V, Goulia P, Pappas D, Hyphantis T, Mavreas V. Amenorrhea after sertraline introduction in an amisulpride-treated patient with undiagnosed polycystic ovary disease. *J Clin Psychopharmacol*. 2007 Apr;27(2):235-7. Available from: PubMed; PMID 17414262
- Pinhas-Hamiel O, Pilpel N, Carel C, Singer S. Clinical and laboratory characteristics of adolescents with both polycystic ovary disease and anorexia nervosa. *Fertil Steril*. 2006 Jun;85(6):1849-51. Available from: PubMed; PMID 16650415
- Rasgon NL, Altshuler LL, Gudeman D, Burt VK, Tanavoli S, Hendrick V, Korenman S. Medication status and polycystic ovary syndrome in women with bipolar disorder: a preliminary report. *J Clin Psychiatry*. 2000 Mar;61(3):173-8. Available from: PubMed; PMID 10817101
- Rasgon NL, Carter MS, Elman S, Bauer M, Love M, Korenman SG. Common treatment of polycystic ovarian syndrome and major depressive disorder: case report and review. *Curr Drug Targets Immune Endocr Metabol Disord*. 2002 Apr;2(1):97-102. Available from: PubMed; PMID 12477299
- Rasgon NL, Rao RC, Hwang S, Altshuler LL, Elman S, Zuckerbrow-Miller J, Korenman SG. Depression in women with polycystic ovary syndrome: clinical and biochemical correlates. *J Affect Disord*. 2003 May;74(3):299-304. Available from: PubMed; PMID 12738050
- Rasgon N. The relationship between polycystic ovary syndrome and antiepileptic drugs: a review of the evidence. *J Clin Psychopharmacol*. 2004 Jun;24(3):322-34. Available from: PubMed; PMID 15118487
- Rasgon NL, Altshuler LL, Fairbanks L, Elman S, Bitran J, Labarca R, Saad M, Kupka R, Nolen WA, Frye MA, Suppes T, McElroy SL, Keck PE, Jr., Leverich G, Grunze H, Walden J, Post R, Mintz J. Reproductive function and risk for PCOS in women treated for bipolar disorder. *Bipolar Disord*. 2005 Jun;7(3):246-59. Available from: PubMed; PMID 15898962
- Rassi A, Veras AB, dos Reis M, Pastore DL, Bruno LM, Bruno RV, de Avila MA, Nardi AE. Prevalence of psychiatric disorders in patients with polycystic ovary syndrome. *Compr Psychiatry*. 2010 Nov-Dec;51(6):599-602. Available from: PubMed; PMID 20965306
- Roepke S, Ziegenhorn A, Kronsbein J, Merkl A, Bahri S, Lange J, Lubbert H, Schweiger U, Heuser I, Lammers CH. Incidence of polycystic ovaries and androgen serum levels in women with borderline personality disorder. *J Psychiatr Res*. 2010 Oct;44(13):847-52. Available from: PubMed; PMID 20149393
- Rofey DL, Szigethy EM, Noll RB, Dahl RE, Lobst E, Arslanian SA. Cognitive-behavioral therapy for physical and emotional disturbances in adolescents with polycystic ovary syndrome: a pilot study. *J Pediatr Psychol*. 2009 Mar;34(2):156-63. Available from: PubMed; PMID 18556675
- Sabayan B, Foroughinia F, Borhani Haghighi A, Mowla A. Are women with polycystic ovary syndrome (PCOS) at higher risk for development of Alzheimer disease? *Alzheimer Dis Assoc Disord*. 2007 Jul-Sep;21(3):265. Available from: PubMed; PMID 17804962

Sabuncu T, Harma M, Harma M, Nazligul Y, Kilic F. Sibutramine has a positive effect on clinical and metabolic parameters in obese patients with polycystic ovary syndrome. *Fertil Steril*. 2003 Nov;80(5):1199-204. Available from: PubMed; PMID 14607575

Sanchez LA, Perez M, Centeno I, David M, Kahi D, Gutierrez E. Determining the time androgens and sex hormone-binding globulin take to return to baseline after discontinuation of oral contraceptives in women with polycystic ovary syndrome: a prospective study. *Fertil Steril*. 2007 Mar;87(3):712-4. Available from: PubMed; PMID 17118366

Seidenfeld ME, Rickert VI. Impact of anorexia, bulimia and obesity on the gynecologic health of adolescents. *Am Fam Physician*. 2001 Aug 1;64(3):445-50. Available from: PubMed; PMID 11515833

Setji TL, Brown AJ. Comprehensive clinical management of polycystic ovary syndrome. *Minerva Med*. 2007 Jun;98(3):175-89. Available from: PubMed; PMID 17592439

Shi X, Zhang L, Fu S, Li N. Co-involvement of psychological and neurological abnormalities in infertility with polycystic ovarian syndrome. *Arch Gynecol Obstet*. 2011 Sep;284(3):773-8. Available from: PubMed; PMID 21688169

Soyupek F, Guney M, Eris S, Cerci S, Yildiz S, Mungan T. Evaluation of hand functions in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Oct;24(10):571-5. Available from: PubMed; PMID 19012100

Sundaram SS, Halbower AC. What do ovaries have to do with sleeping? *J Pediatr*. 2011 Oct;159(4):526-7. Available from: PubMed; PMID 21840540

Tan S, Hahn S, Benson S, Janssen OE, Dietz T, Kimmig R, Hesse-Hussain J, Mann K, Schedlowski M, Arck PC, Elsenbruch S. Psychological implications of infertility in women with polycystic ovary syndrome. *Hum Reprod*. 2008 Sep;23(9):2064-71. Available from: PubMed; PMID 18583330

Tasali E, Van Cauter E, Ehrmann DA. Relationships between sleep disordered breathing and glucose metabolism in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Jan;91(1):36-42. Available from: PubMed; PMID 16219719

Teede H, Deeks A, Moran L. Polycystic ovary syndrome: a complex condition with psychological, reproductive and metabolic manifestations that impacts on health across the lifespan. *BMC Med*. 2010;8:41. Available from: PubMed; PMID 20591140

Teede HJ, Misso ML, Deeks AA, Moran LJ, Stuckey BG, Wong JL, Norman RJ, Costello MF. Assessment and

management of polycystic ovary syndrome: summary of an evidence-based guideline. *Med J Aust*. 2011 Sep 19;195(6):S65-112. Available from: PubMed; PMID 21929505

Tekin G, Tekin A, Kilicarslan EB, Haydardedeoglu B, Katircibasi T, Kocum T, Erol T, Colkesen Y, Sezgin AT, Muderrisoglu H. Altered autonomic neural control of the cardiovascular system in patients with polycystic ovary syndrome. *Int J Cardiol*. 2008 Oct 30;130(1):49-55. Available from: PubMed; PMID 18055040

Thomson RL, Buckley JD, Lim SS, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Lifestyle management improves quality of life and depression in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Oct;94(5):1812-6. Available from: PubMed; PMID 20004371

van Wely M, Bayram N, Bossuyt PM, van der Veen F. Laparoscopic electrocautery of the ovaries versus recombinant FSH in clomiphene citrate-resistant polycystic ovary syndrome. Impact on women's health-related quality of life. *Hum Reprod*. 2004 Oct;19(10):2244-50. Available from: PubMed; PMID 15242999

Veltman-Verhulst SM, Boivin J, Eijkemans MJ, Fauser BJ. Emotional distress is a common risk in women with polycystic ovary syndrome: a systematic review and meta-analysis of 28 studies. *Hum Reprod Update*. 2012 Nov;18(6):638-51. Available from: PubMed; PMID 22824735

Vgontzas AN, Legro RS, Bixler EO, Grayev A, Kales A, Chrousos GP. Polycystic ovary syndrome is associated with obstructive sleep apnea and daytime sleepiness: role of insulin resistance. *J Clin Endocrinol Metab*. 2001 Feb;86(2):517-20. Available from: PubMed; PMID 11158002

Vrbikova J, Hainer V. Obesity and polycystic ovary syndrome. *Obes Facts*. 2009;2(1):26-35. Available from: PubMed; PMID 20054201

Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):311-30. Available from: PubMed; PMID 16772160

Weiner CL, Primeau M, Ehrmann DA. Androgens and mood dysfunction in women: comparison of women with polycystic ovarian syndrome to healthy controls. *Psychosom Med*. 2004 May-Jun;66(3):356-62. Available from: PubMed; PMID 15184695

Welt CK, Arason G, Gudmundsson JA, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Defining constant versus variable phenotypic features of women with polycystic ovary syndrome using different ethnic groups and populations. *J Clin Endocrinol Metab*. 2006 Nov;91(11):4361-8. Available from: PubMed; PMID 16940441

Wiksten-Almstromer M, Hirschberg AL, Hagenfeldt K. Prospective follow-up of menstrual disorders in adolescence and prognostic factors. *Acta Obstet Gynecol Scand.* 2008;87(11):1162-8. Available from: PubMed; PMID 18956264

Wiksten-Almstromer M, Hirschberg AL, Hagenfeldt K. Reduced bone mineral density in adult women diagnosed with menstrual disorders during adolescence. *Acta Obstet Gynecol Scand.* 2009;88(5):543-9. Available from: PubMed; PMID 19353333

## Increased Age

Consensus on women's health aspects of polycystic ovary syndrome (PCOS). *Hum Reprod.* 2012 Jan;27(1):14-24. Available from: PubMed; PMID 22147920

Aigner E, Bachofner N, Klein K, De Geyter C, Hohla F, Patsch W, Datz C. Retinol-binding protein 4 in polycystic ovary syndrome--association with steroid hormones and response to pioglitazone treatment. *J Clin Endocrinol Metab.* 2009 Apr;94(4):1229-35. Available from: PubMed; PMID 19158194

Alsamarai S, Adams JM, Murphy MK, Post MD, Hayden DL, Hall JE, Welt CK. Criteria for polycystic ovarian morphology in polycystic ovary syndrome as a function of age. *J Clin Endocrinol Metab.* 2009 Dec;94(12):4961-70. Available from: PubMed; PMID 19846740

Alvarez-Blasco F, Martinez-Garcia MA, Luque-Ramirez M, Parraza N, San Millan JL, Escobar-Morreale HF. Role of haptoglobin in polycystic ovary syndrome (PCOS), obesity and disorders of glucose tolerance in premenopausal women. *PLoS One.* 2009;4(5):e5606. Available from: PubMed; PMID 19440331

Alvarez-Blasco F, Luque-Ramirez M, Escobar-Morreale HF. Obesity impairs general health-related quality of life (HR-QoL) in premenopausal women to a greater extent than polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf).* 2010 Nov;73(5):595-601. Available from: PubMed; PMID 20618344

Alvarez-Blasco F, Luque-Ramirez M, Escobar-Morreale HF. Diet composition and physical activity in overweight and obese premenopausal women with or without polycystic ovary syndrome. *Gynecol Endocrinol.* 2011 Dec;27(12):978-81. Available from: PubMed; PMID 21609197

Amer SA, Banu Z, Li TC, Cooke ID. Long-term follow-up of patients with polycystic ovary syndrome after laparoscopic ovarian drilling: endocrine and ultrasonographic outcomes. *Hum Reprod.* 2002 Nov;17(11):2851-7. Available from: PubMed; PMID 12407038

Amer SA, Gopalan V, Li TC, Ledger WL, Cooke ID. Long term follow-up of patients with polycystic ovarian syndrome after laparoscopic ovarian drilling: clinical outcome. *Hum Reprod.* 2002 Aug;17(8):2035-42. Available from: PubMed; PMID 12151433

Ansarin H, Aziz-Jalali MH, Rasi A, Soltani-Arabshahi R. Clinical presentation and etiologic factors of hirsutism in premenopausal Iranian women. *Arch Iran Med.* 2007 Jan;10(1):7-13. Available from: PubMed; PMID 17198446

Azziz R, Woods KS, Reyna R, Key TJ, Knochenhauer ES, Yildiz BO. The prevalence and features of the polycystic ovary syndrome in an unselected population. *J Clin Endocrinol Metab.* 2004 Jun;89(6):2745-9. Available from: PubMed; PMID 15181052

Bacon WL, Liu HK. Influence of photoperiod and age of photostimulation on the incidence of polycystic ovarian follicle syndrome in turkey breeder hens. *Poult Sci.* 2003 Dec;82(12):1985-9. Available from: PubMed; PMID 14717558

Balasz J, Fabregues F, Casamitjana R, Penarrubia J, Vanrell JA. A pharmacokinetic and endocrine comparison of recombinant follicle-stimulating hormone and human menopausal gonadotrophin in polycystic ovary syndrome. *Reprod Biomed Online.* 2003 Apr-May;6(3):296-301. Available from: PubMed; PMID 12735863

Barber TM, Alvey C, Greenslade T, Gooding M, Barber D, Smith R, Marland A, Wass JA, Child T, McCarthy MI, Franks S, Golding SJ. Patterns of ovarian morphology in polycystic ovary syndrome: a study utilising magnetic resonance imaging. *Eur Radiol.* 2010 May;20(5):1207-13. Available from: PubMed; PMID 19890641

Bili H, Laven J, Imani B, Eijkemans MJ, Fauser BC. Age-related differences in features associated with polycystic ovary syndrome in normogonadotrophic oligo-amenorrhoeic infertile women of reproductive years. *Eur J Endocrinol.* 2001 Dec;145(6):749-55. Available from: PubMed; PMID 11720900

Birken S, McChesney R, Yershova O, Gaughan J, Pettersson K, Rechenberg G, Wu CH, Taliadouros G. Patterns of LHbetacf among women in health and disease. *Mol Cell Endocrinol.* 2007 Jan 2;260-262:172-82. Available from: PubMed; PMID 17084020

Brown ZA, Louwers YV, Fong SL, Valkenburg O, Birnie E, de Jong FH, Fauser BC, Laven JS. The phenotype of polycystic ovary syndrome ameliorates with aging. *Fertil Steril.* 2011 Nov;96(5):1259-65. Available from: PubMed; PMID 21963227

Burelli A, Cionini R, Rinaldi E, Benelli E, Fiore E, Canale D, Bencivelli W, Nencetti C, Pinchera A, Pucci E. Serum PSA levels are not affected by the menstrual cycle or the menopause, but are increased in subjects with polycystic

- ovary syndrome. *J Endocrinol Invest.* 2006 Apr;29(4):308-12. Available from: PubMed; PMID 16699296
- Carmina E. Cardiovascular risk and events in polycystic ovary syndrome. *Climacteric.* 2009;12 Suppl 1:22-5. Available from: PubMed; PMID 19811236
- Carmina E, Campagna AM, Mansuet P, Vitale G, Kort D, Lobo R. Does the level of serum antimullerian hormone predict ovulatory function in women with polycystic ovary syndrome with aging? *Fertil Steril.* 2012 Oct;98(4):1043-6. Available from: PubMed; PMID 22771030
- Cheng J, Lv J, Li CY, Xue Y, Huang Z, Zheng W. Clinical outcomes of ovulation induction with metformin, clomiphene citrate and human menopausal gonadotrophin in polycystic ovary syndrome. *J Int Med Res.* 2010 Jul-Aug;38(4):1250-8. Available from: PubMed; PMID 20925997
- Cheung LP, Ma RC, Lam PM, Lok IH, Haines CJ, So WY, Tong PC, Cockram CS, Chow CC, Goggins WB. Cardiovascular risks and metabolic syndrome in Hong Kong Chinese women with polycystic ovary syndrome. *Hum Reprod.* 2008 Jun;23(6):1431-8. Available from: PubMed; PMID 18359783
- Ciampelli M, Leoni F, Cucinelli F, Mancuso S, Panunzi S, De Gaetano A, Lanzone A. Assessment of insulin sensitivity from measurements in the fasting state and during an oral glucose tolerance test in polycystic ovary syndrome and menopausal patients. *J Clin Endocrinol Metab.* 2005 Mar;90(3):1398-406. Available from: PubMed; PMID 15598698
- Cibula D, Cifkova R, Fanta M, Poledne R, Zivny J, Skibova J. Increased risk of non-insulin dependent diabetes mellitus, arterial hypertension and coronary artery disease in perimenopausal women with a history of the polycystic ovary syndrome. *Hum Reprod.* 2000 Apr;15(4):785-9. Available from: PubMed; PMID 10739820
- Davis SR, Knight S, White V, Claridge C, Davis BJ, Bell R. Preliminary indication of a high prevalence of polycystic ovary syndrome in indigenous Australian women. *Gynecol Endocrinol.* 2002 Dec;16(6):443-6. Available from: PubMed; PMID 12626030
- de Zegher F, Ibanez L. Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S4-5. Available from: PubMed; PMID 16798286
- Diamanti-Kandarakis E, Christakou C, Kandarakis H. Polycystic ovarian syndrome: the commonest cause of hyperandrogenemia in women as a risk factor for metabolic syndrome. *Minerva Endocrinol.* 2007 Mar;32(1):35-47. Available from: PubMed; PMID 17353865
- Dixon JB, O'Brien PE. Neck circumference a good predictor of raised insulin and free androgen index in obese premenopausal women: changes with weight loss. *Clin Endocrinol (Oxf).* 2002 Dec;57(6):769-78. Available from: PubMed; PMID 12460327
- Dunaif A. Polycystic ovary syndrome in 2011: Genes, aging and sleep apnea in polycystic ovary syndrome. *Nat Rev Endocrinol.* 2012 Feb;8(2):72-4. Available from: PubMed; PMID 22183129
- Elting MW, Korsen TJ, Rekers-Mombarg LT, Schoemaker J. Women with polycystic ovary syndrome gain regular menstrual cycles when ageing. *Hum Reprod.* 2000 Jan;15(1):24-8. Available from: PubMed; PMID 10611183
- Elting MW, Kwee J, Korsen TJ, Rekers-Mombarg LT, Schoemaker J. Aging women with polycystic ovary syndrome who achieve regular menstrual cycles have a smaller follicle cohort than those who continue to have irregular cycles. *Fertil Steril.* 2003 May;79(5):1154-60. Available from: PubMed; PMID 12738511
- Escobar-Morreale HF, Villuendas G, Botella-Carretero JI, Sancho J, San Millan JL. Obesity, and not insulin resistance, is the major determinant of serum inflammatory cardiovascular risk markers in pre-menopausal women. *Diabetologia.* 2003 May;46(5):625-33. Available from: PubMed; PMID 12739017
- Escobar-Morreale HF, Samino S, Insenser M, Vinaixa M, Luque-Ramirez M, Lasuncion MA, Correig X. Metabolic heterogeneity in polycystic ovary syndrome is determined by obesity: plasma metabolomic approach using GC-MS. *Clin Chem.* 2012 Jun;58(6):999-1009. Available from: PubMed; PMID 22427353
- Fauser BC, Bouchard P. Uncertainty remains in women with PCOS regarding the increased incidence of cardiovascular disease later in life, despite the indisputable presence of multiple cardiovascular risk factors at a young age. *J Clin Endocrinol Metab.* 2011 Dec;96(12):3675-7. Available from: PubMed; PMID 22143833
- Fauser BC, Laven JS, Tarlatzis BC, Moley KH, Critchley HO, Taylor RN, Berga SL, Mermelstein PG, Devroey P, Gianaroli L, D'Hooghe T, Vercellini P, Hummelshoj L, Rubin S, Goverde AJ, De Leo V, Petraglia F. Sex steroid hormones and reproductive disorders: impact on women's health. *Reprod Sci.* 2011 Aug;18(8):702-12. Available from: PubMed; PMID 21795737
- Fenton A, Panay N. Management of polycystic ovary syndrome in postmenopausal women: a medical black hole. *Climacteric.* 2008 Apr;11(2):89-90. Available from: PubMed; PMID 18365851
- Franks S. Adult polycystic ovary syndrome begins in childhood. *Best Pract Res Clin Endocrinol Metab.* 2002 Jun;16(2):263-72. Available from: PubMed; PMID 12064892
- Glintborg D, Andersen M, Hagen C, Heickendorff L, Hermann AP. Association of pioglitazone treatment with decreased bone mineral density in obese premenopausal

- patients with polycystic ovary syndrome: a randomized, placebo-controlled trial. *J Clin Endocrinol Metab.* 2008 May;93(5):1696-701. Available from: PubMed; PMID 18285411
- Glintborg D, Mumm H, Hougaard D, Ravn P, Andersen M. Ethnic differences in Rotterdam criteria and metabolic risk factors in a multiethnic group of women with PCOS studied in Denmark. *Clin Endocrinol (Oxf).* 2010 Dec;73(6):732-8. Available from: PubMed; PMID 20846294
- Gray S. Tales from the menopause clinic: practice observed. *Menopause Int.* 2011 Dec;17(4):155-6. Available from: PubMed; PMID 22120941
- Guido M, Belosi C, Selvaggi L, Lattanzi F, Apa R, Fulghesu AM, Lanzone A. The effect of age on the ovarian response to gonadotropin and on pregnancy rate in polycystic ovary syndrome. *Gynecol Endocrinol.* 2003 Jun;17(3):215-21. Available from: PubMed; PMID 12857429
- Guido M, Romualdi D, Lanzone A. Role of opioid antagonists in the treatment of women with glucoregulation abnormalities. *Curr Pharm Des.* 2006;12(8):1001-12. Available from: PubMed; PMID 16533167
- Gutierrez-Grobe Y, Ponciano-Rodriguez G, Ramos MH, Uribe M, Mendez-Sanchez N. Prevalence of non alcoholic fatty liver disease in premenopausal, postmenopausal and polycystic ovary syndrome women. The role of estrogens. *Ann Hepatol.* 2010 Oct-Dec;9(4):402-9. Available from: PubMed; PMID 21057159
- Heider U, Pedal I, Spanel-Borowski K. Increase in nerve fibers and loss of mast cells in polycystic and postmenopausal ovaries. *Fertil Steril.* 2001 Jun;75(6):1141-7. Available from: PubMed; PMID 11384640
- Hickey M, Karthigasu K, Agarwal S. Abnormal uterine bleeding: a focus on polycystic ovary syndrome. *Womens Health (Lond Engl).* 2009 May;5(3):313-24. Available from: PubMed; PMID 19392616
- Huddleston HG, Cedars MI, Sohn SH, Giudice LC, Fujimoto VY. Racial and ethnic disparities in reproductive endocrinology and infertility. *Am J Obstet Gynecol.* 2010 May;202(5):413-9. Available from: PubMed; PMID 20207341
- Hudecova M, Holte J, Olovsson M, Sundstrom Poromaa I. Long-term follow-up of patients with polycystic ovary syndrome: reproductive outcome and ovarian reserve. *Hum Reprod.* 2009 May;24(5):1176-83. Available from: PubMed; PMID 19168874
- Hughes E, Collins J, Vandekerckhove P. Ovulation induction with urinary follicle stimulating hormone versus human menopausal gonadotropin for clomiphene-resistant polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD000087. Available from: PubMed; PMID 10796690
- Ireland K, Child T. Polycystic ovary syndrome and the postmenopausal woman. *J Br Menopause Soc.* 2006 Dec;12(4):143-8. Available from: PubMed; PMID 17178014
- Kandaraki E, Christakou C, Diamanti-Kandaraki E. Metabolic syndrome and polycystic ovary syndrome... and vice versa. *Arq Bras Endocrinol Metabol.* 2009 Mar;53(2):227-37. Available from: PubMed; PMID 19466215
- Kasperlik-Zaluska AA, Stopinska-Gluzak U, Powolny M. Severe virilisation in a 71-year-old acromegalic woman with probable polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2007 Sep;134(1):134-5. Available from: PubMed; PMID 16996195
- Kelestimir F, Unluhizarci K, Baybuga H, Atmaca H, Bayram F, Sahin Y. Prevalence of polycystic ovarian changes and polycystic ovary syndrome in premenopausal women with treated type 2 diabetes mellitus. *Fertil Steril.* 2006 Aug;86(2):405-10. Available from: PubMed; PMID 16762349
- Kelly C, Petrie J, Lyall H, Gould G, Connell J. Polycystic ovaries. *Lancet.* 2000 Jan 1;355(9197):68-9. Available from: PubMed; PMID 10615913
- Kelly CJ, Lyall H, Petrie JR, Gould GW, Connell JM, Rumley A, Lowe GD, Sattar N. A specific elevation in tissue plasminogen activator antigen in women with polycystic ovarian syndrome. *J Clin Endocrinol Metab.* 2002 Jul;87(7):3287-90. Available from: PubMed; PMID 12107238
- Kilicdag EB, Haydardedeoglu B, Cok T, Parlakgumus AH, Simsek E, Bolat FA. Polycystic ovary syndrome and increased polyp numbers as risk factors for malignant transformation of endometrial polyps in premenopausal women. *Int J Gynaecol Obstet.* 2011 Mar;112(3):200-3. Available from: PubMed; PMID 21247566
- Kim JJ, Choi YM, Hong MA, Hwang SS, Yoon SH, Chae SJ, Jee BC, Ku SY, Kim JG, Moon SY. Phosphatidylinositol 3-kinase p85alpha regulatory subunit gene Met326Ile polymorphism in women with polycystic ovary syndrome. *Hum Reprod.* 2009 May;24(5):1184-90. Available from: PubMed; PMID 19218574
- Krentz AJ, von Muhlen D, Barrett-Connor E. Searching for polycystic ovary syndrome in postmenopausal women: evidence of a dose-effect association with prevalent cardiovascular disease. *Menopause.* 2007 Mar-Apr;14(2):284-92. Available from: PubMed; PMID 17245231
- Krentz AJ, Barrett-Connor E. Reduced serum ghrelin in a putative postmenopausal polycystic ovary syndrome

phenotype. *Fertil Steril*. 2009 Nov;92(5):1753-4. Available from: PubMed; PMID 19539914

Krentz AJ, von Muhlen D, Barrett-Connor E. Adipocytokine profiles in a putative novel postmenopausal polycystic ovary syndrome (PCOS) phenotype parallel those in premenopausal PCOS: the Rancho Bernardo Study. *Metabolism*. 2012 Sep;61(9):1238-41. Available from: PubMed; PMID 22560129

Lambrinoudaki I. Cardiovascular risk in postmenopausal women with the polycystic ovary syndrome. *Maturitas*. 2011 Jan;68(1):13-6. Available from: PubMed; PMID 20943333

Lenarcik A, Bidzinska-Speichert B. Cardiopulmonary functional capacity and the role of exercise in improving maximal oxygen consumption in women with PCOS. *Endokrynol Pol*. 2010 Mar-Apr;61(2):207-9. Available from: PubMed; PMID 20464708

Macut D, Vojnovic Milutinovic D, Bozic I, Matic G, Brkljacic J, Panidis D, Petakov M, Spanos N, Bjekic J, Stanojlovic O, Petrovic Milinkovic A, Radojicic Z, Damjanovic S. Age, body mass index, and serum level of DHEA-S can predict glucocorticoid receptor function in women with polycystic ovary syndrome. *Endocrine*. 2010 Feb;37(1):129-34. Available from: PubMed; PMID 20963561

Margolin E, Zhornitzki T, Kopernik G, Kogan S, Schattner A, Knobler H. Polycystic ovary syndrome in postmenopausal women--marker of the metabolic syndrome. *Maturitas*. 2005 Apr 11;50(4):331-6. Available from: PubMed; PMID 15780534

Markopoulos MC, Rizos D, Valsamakis G, Deligeoroglou E, Grigoriou O, Chrousos GP, Creatsas G, Mastorakos G. Hyperandrogenism in women with polycystic ovary syndrome persists after menopause. *J Clin Endocrinol Metab*. 2011 Mar;96(3):623-31. Available from: PubMed; PMID 21177795

Markopoulos MC, Valsamakis G, Kouskouni E, Boutsiadis A, Papassotiropoulos I, Creatsas G, Mastorakos G. Study of carbohydrate metabolism indices and adipocytokine profile and their relationship to androgens in polycystic ovary syndrome after menopause. *Eur J Endocrinol*. 2012 Oct 17. Available from: PubMed; PMID 23076844

Martinez-Garcia MA, Luque-Ramirez M, San-Millan JL, Escobar-Morreale HF. Body iron stores and glucose intolerance in premenopausal women: role of hyperandrogenism, insulin resistance, and genomic variants related to inflammation, oxidative stress, and iron metabolism. *Diabetes Care*. 2009 Aug;32(8):1525-30. Available from: PubMed; PMID 19401444

Nikolaou D, Gilling-Smith C. Early ovarian ageing: are women with polycystic ovaries protected? *Hum Reprod*. 2004 Oct;19(10):2175-9. Available from: PubMed; PMID 15256506

Orbetzova MM, Kamenov ZA, Kolarov GB, Orbetzova VT, Genchev GD, Genov NS, Zacharieva SZ. Metabolic disturbances in women with polycystic ovary syndrome. *Folia Med (Plovdiv)*. 2003;45(3):12-20. Available from: PubMed; PMID 15366661

Palomba S, Falbo A, Orio F, Jr., Russo T, Sbrano F, D'Alessandro P, Cariati F, Tolino A, Colao A, Zullo F. Efficacy of laparoscopic ovarian diathermy in clomiphene citrate-resistant women with polycystic ovary syndrome: relationships with chronological and ovarian age. *Gynecol Endocrinol*. 2006 Jun;22(6):329-35. Available from: PubMed; PMID 16785158

Park JH, Choi TS. Polycystic ovary syndrome (PCOS)-like phenotypes in the d-galactose-induced aging mouse model. *Biochem Biophys Res Commun*. 2012 Nov 2;427(4):701-4. Available from: PubMed; PMID 23022527

Pasquali R, Gambineri A. Polycystic ovary syndrome: a multifaceted disease from adolescence to adult age. *Ann N Y Acad Sci*. 2006 Dec;1092:158-74. Available from: PubMed; PMID 17308142

Pauli S, Lobo RA. Polycystic ovary syndrome after menopause: a case report. *J Reprod Med*. 2004 Jun;49(6):491-4. Available from: PubMed; PMID 15283061

Pelusi B, Gambineri A, Pasquali R. Type 2 diabetes and the polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):41-51. Available from: PubMed; PMID 14973409

Peppard HR, Marfori J, Iuorno MJ, Nestler JE. Prevalence of polycystic ovary syndrome among premenopausal women with type 2 diabetes. *Diabetes Care*. 2001 Jun;24(6):1050-2. Available from: PubMed; PMID 11375369

Piltonen T, Koivunen R, Perheentupa A, Morin-Papunen L, Ruokonen A, Tapanainen JS. Ovarian age-related responsiveness to human chorionic gonadotropin in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Aug;89(8):3769-75. Available from: PubMed; PMID 15292303

Piltonen T, Morin-Papunen L, Koivunen R, Perheentupa A, Ruokonen A, Tapanainen JS. Serum anti-Mullerian hormone levels remain high until late reproductive age and decrease during metformin therapy in women with polycystic ovary syndrome. *Hum Reprod*. 2005 Jul;20(7):1820-6. Available from: PubMed; PMID 15802325

Puurunen J, Piltonen T, Jaakkola P, Ruokonen A, Morin-Papunen L, Tapanainen JS. Adrenal androgen production capacity remains high up to menopause in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2009 Jun;94(6):1973-8. Available from: PubMed; PMID 19318449

Puurunen J, Piltonen T, Morin-Papunen L, Perheentupa A, Jarvela I, Ruokonen A, Tapanainen JS. Unfavorable hormonal, metabolic, and inflammatory alterations persist after menopause in women with PCOS. *J Clin Endocrinol Metab.* 2011 Jun;96(6):1827-34. Available from: PubMed; PMID 21450988

Rachon D, Teede H. Ovarian function and obesity--interrelationship, impact on women's reproductive lifespan and treatment options. *Mol Cell Endocrinol.* 2010 Mar 25;316(2):172-9. Available from: PubMed; PMID 19818376

Restuccia DF, Hynx D, Hemmings BA. Loss of PKBbeta/Akt2 predisposes mice to ovarian cyst formation and increases the severity of polycystic ovary formation in vivo. *Dis Model Mech.* 2012 May;5(3):403-11. Available from: PubMed; PMID 22275470

Rizzo M, Berneis K, Spinax G, Rini GB, Carmina E. Long-term consequences of polycystic ovary syndrome on cardiovascular risk. *Fertil Steril.* 2009 Apr;91(4 Suppl):1563-7. Available from: PubMed; PMID 18976752

Roland AV, Nunemaker CS, Keller SR, Moenter SM. Prenatal androgen exposure programs metabolic dysfunction in female mice. *J Endocrinol.* 2010 Nov;207(2):213-23. Available from: PubMed; PMID 20713501

Rousset P, Gompel A, Christin-Maitre S, Pugeat M, Hugol D, Ghossain MA, Buy JN. Ovarian hyperthecosis on grayscale and color Doppler ultrasound. *Ultrasound Obstet Gynecol.* 2008 Oct;32(5):694-9. Available from: PubMed; PMID 18792416

Sadrzadeh S, Klip WA, Broekmans FJ, Schats R, Willemsen WN, Burger CW, Van Leeuwen FE, Lambalk CB. Birth weight and age at menarche in patients with polycystic ovary syndrome or diminished ovarian reserve, in a retrospective cohort. *Hum Reprod.* 2003 Oct;18(10):2225-30. Available from: PubMed; PMID 14507847

San Millan JL, Alvarez-Blasco F, Luque-Ramirez M, Botella-Carretero JI, Escobar-Morreale HF. The PON1-108C/T polymorphism, and not the polycystic ovary syndrome, is an important determinant of reduced serum paraoxonase activity in premenopausal women. *Hum Reprod.* 2006 Dec;21(12):3157-61. Available from: PubMed; PMID 16880229

Santoro N. Update in hyper- and hypogonadotropic amenorrhea. *J Clin Endocrinol Metab.* 2011 Nov;96(11):3281-8. Available from: PubMed; PMID 22058375

Schmidt J, Brannstrom M, Landin-Wilhelmsen K, Dahlgren E. Reproductive hormone levels and anthropometry in postmenopausal women with polycystic ovary syndrome (PCOS): a 21-year follow-up study of

women diagnosed with PCOS around 50 years ago and their age-matched controls. *J Clin Endocrinol Metab.* 2011 Jul;96(7):2178-85. Available from: PubMed; PMID 21508129

Schmidt J, Landin-Wilhelmsen K, Brannstrom M, Dahlgren E. Cardiovascular disease and risk factors in PCOS women of postmenopausal age: a 21-year controlled follow-up study. *J Clin Endocrinol Metab.* 2011 Dec;96(12):3794-803. Available from: PubMed; PMID 21956415

Schmidt J, Dahlgren E, Brannstrom M, Landin-Wilhelmsen K. Body composition, bone mineral density and fractures in late postmenopausal women with polycystic ovary syndrome - a long-term follow-up study. *Clin Endocrinol (Oxf).* 2012 Aug;77(2):207-14. Available from: PubMed; PMID 22385110

Shaw LJ, Bairey Merz CN, Azziz R, Stanczyk FZ, Sopko G, Braunstein GD, Kelsey SF, Kip KE, Cooper-Dehoff RM, Johnson BD, Vaccarino V, Reis SE, Bittner V, Hodgson TK, Rogers W, Pepine CJ. Postmenopausal women with a history of irregular menses and elevated androgen measurements at high risk for worsening cardiovascular event-free survival: results from the National Institutes of Health--National Heart, Lung, and Blood Institute sponsored Women's Ischemia Syndrome Evaluation. *J Clin Endocrinol Metab.* 2008 Apr;93(4):1276-84. Available from: PubMed; PMID 18182456

Sokalska A, Piotrowski PC, Rzepczynska IJ, Cress A, Duleba AJ. Statins inhibit growth of human theca-interstitial cells in PCOS and non-PCOS tissues independently of cholesterol availability. *J Clin Endocrinol Metab.* 2010 Dec;95(12):5390-4. Available from: PubMed; PMID 20826585

Sotomayor-Zarate R, Tiszavari M, Cruz G, Lara HE. Neonatal exposure to single doses of estradiol or testosterone programs ovarian follicular development-modified hypothalamic neurotransmitters and causes polycystic ovary during adulthood in the rat. *Fertil Steril.* 2011 Dec;96(6):1490-6. Available from: PubMed; PMID 21982285

Stegmann BJ, Craig HR, Bay RC, Coonrod DV, Brady MJ, Garbaciak JA, Jr. Characteristics predictive of response to ovarian diathermy in women with polycystic ovarian syndrome. *Am J Obstet Gynecol.* 2003 May;188(5):1171-3. Available from: PubMed; PMID 12748468

Suzuki A, Abdelmalek MF. Nonalcoholic fatty liver disease in women. *Womens Health (Lond Engl).* 2009 Mar;5(2):191-203. Available from: PubMed; PMID 19245356

Talbott EO, Zborowski J, Rager J, Stragand JR. Is there an independent effect of polycystic ovary syndrome (PCOS) and menopause on the prevalence of subclinical atherosclerosis in middle aged women? *Vasc Health Risk*

Manag. 2008;4(2):453-62. Available from: PubMed; PMID 18561521

Tehrani FR, Solaymani-Dodaran M, Hedayati M, Azizi F. Is polycystic ovary syndrome an exception for reproductive aging? *Hum Reprod.* 2010 Jul;25(7):1775-81. Available from: PubMed; PMID 20435693

Turkmen S, Backstrom T, Idil M. Reduction of dehydroepiandrosterone sulfate synthesis in women with polycystic ovary syndrome by human menopausal gonadotropin but not purified urinary follicle stimulating hormone: a comparative pilot study. *Gynecol Endocrinol.* 2004 Aug;19(2):69-78. Available from: PubMed; PMID 15624268

Unluhizarci K, Ozocak M, Tanriverdi F, Atmaca H, Kelestimur F. Investigation of hypothalamo-pituitary-gonadal axis and glucose intolerance among the first-degree female relatives of women with polycystic ovary syndrome. *Fertil Steril.* 2007 Jun;87(6):1377-82. Available from: PubMed; PMID 17336975

Vaikkakara S, Al-Ozairi E, Lim E, Advani A, Ball SG, James RA, Quinton R. The investigation and management of severe hyperandrogenism pre- and postmenopause: non-tumor disease is strongly associated with metabolic syndrome and typically responds to insulin-sensitization with metformin. *Gynecol Endocrinol.* 2008 Feb;24(2):87-92. Available from: PubMed; PMID 18210332

Veiga-Lopez A, Ye W, Padmanabhan V. Developmental programming: prenatal testosterone excess disrupts anti-Mullerian hormone expression in preantral and antral follicles. *Fertil Steril.* 2012 Mar;97(3):748-56. Available from: PubMed; PMID 22245531

Velling Magnussen L, Mumm H, Andersen M, Glinborg D. Hemoglobin A1c as a tool for the diagnosis of type 2 diabetes in 208 premenopausal women with polycystic ovary syndrome. *Fertil Steril.* 2011 Nov;96(5):1275-80. Available from: PubMed; PMID 21982282

Vgontzas AN, Legro RS, Bixler EO, Grayev A, Kales A, Chrousos GP. Polycystic ovary syndrome is associated with obstructive sleep apnea and daytime sleepiness: role of insulin resistance. *J Clin Endocrinol Metab.* 2001 Feb;86(2):517-20. Available from: PubMed; PMID 11158002

Vulpoi C, Lecomte C, Guilloteau D, Lecomte P. Ageing and reproduction: is polycystic ovary syndrome an exception? *Ann Endocrinol (Paris).* 2007 Feb;68(1):45-50. Available from: PubMed; PMID 17316546

Wide L, Naessen T, Sundstrom-Poromaa I, Eriksson K. Sulfonation and sialylation of gonadotropins in women during the menstrual cycle, after menopause, and with polycystic ovarian syndrome and in men. *J Clin Endocrinol Metab.* 2007 Nov;92(11):4410-7. Available from: PubMed; PMID 17711919

Wiksten-Almstromer M, Hirschberg AL, Hagenfeldt K. Reduced bone mineral density in adult women diagnosed with menstrual disorders during adolescence. *Acta Obstet Gynecol Scand.* 2009;88(5):543-9. Available from: PubMed; PMID 19353333

Yildiz BO, Yarali H, Oguz H, Bayraktar M. Glucose intolerance, insulin resistance, and hyperandrogenemia in first degree relatives of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 May;88(5):2031-6. Available from: PubMed; PMID 12727950

## Prevention Strategies

Case problem: dietary recommendations to combat obesity, insulin resistance, and other concerns related to polycystic ovary syndrome. *J Am Diet Assoc.* 2000 Aug;100(8):955-7; discussion 7-60. Available from: PubMed; PMID 10955058

Tackling polycystic ovary syndrome. *Drug Ther Bull.* 2001 Jan;39(1):1-5. Available from: PubMed; PMID 11221187

Insulin-sensitizing drugs for polycystic ovary syndrome. *Med Lett Drugs Ther.* 2003 Apr 28;45(1155):35-6. Available from: PubMed; PMID 12719696

ACOG practice bulletin. Polycystic ovary syndrome. Number 41, December 2002. *Int J Gynaecol Obstet.* 2003 Mar;80(3):335-48. Available from: PubMed; PMID 12688250

ACOG Committee Opinion No. 351, November 2006: The overweight adolescent: prevention, treatment, and obstetric-gynecologic implications. *Obstet Gynecol.* 2006 Nov;108(5):1337-48. Available from: PubMed; PMID 17077269

Consensus on infertility treatment related to polycystic ovary syndrome. *Hum Reprod.* 2008 Mar;23(3):462-77. Available from: PubMed; PMID 18308833

Consensus on infertility treatment related to polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):505-22. Available from: PubMed; PMID 18243179

Aboulghar M, Saber W, Amin Y, Aboulghar M, Mansour R, Serour G. Prospective, randomized study comparing highly purified urinary follicle-stimulating hormone (FSH) and recombinant FSH for in vitro fertilization/intracytoplasmic sperm injection in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Nov;94(6):2332-4. Available from: PubMed; PMID 20188364

Abu Hashim H. Clomiphene citrate alternatives for the initial management of polycystic ovary syndrome: an evidence-based approach. *Arch Gynecol Obstet.* 2012



Jun;285(6):1737-45. Available from: PubMed; PMID 22392485

Aherne SA. Polycystic ovary syndrome. *Nurs Stand*. 2004 Mar 10-16;18(26):40-4. Available from: PubMed; PMID 15052762

Alemzadeh R, Kansra AR. New adolescent polycystic ovary syndrome perspectives. *Minerva Pediatr*. 2011 Feb;63(1):35-47. Available from: PubMed; PMID 21311428

Alexander CJ, Tangchitnob EP, Lepor NE. Polycystic ovary syndrome: a major unrecognized cardiovascular risk factor in women. *Rev Cardiovasc Med*. 2009 Spring;10(2):83-90. Available from: PubMed; PMID 19593320

Allahbadia GN, Merchant R. Polycystic ovary syndrome in the Indian Subcontinent. *Semin Reprod Med*. 2008 Jan;26(1):22-34. Available from: PubMed; PMID 18181079

Alvarez-Blasco F, Luque-Ramirez M, Escobar-Morreale HF. Diet composition and physical activity in overweight and obese premenopausal women with or without polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Dec;27(12):978-81. Available from: PubMed; PMID 21609197

Araki T, Elias R, Rosenwaks Z, Poretsky L. Achieving a successful pregnancy in women with polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2011 Dec;40(4):865-94. Available from: PubMed; PMID 22108285

Araujo Penna I, Canella PR, Vieira CS, Silva de Sa MF, dos Reis RM, Ferriani RA. Cardiovascular risk factors are reduced with a low dose of acarbose in obese patients with polycystic ovary syndrome. *Fertil Steril*. 2007 Aug;88(2):519-22. Available from: PubMed; PMID 17418836

Ashrafinia M, Hosseini R, Moini A, Eslami B, Asgari Z. Comparison of metformin treatment and laparoscopic ovarian diathermy in patients with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2009 Dec;107(3):236-9. Available from: PubMed; PMID 19729161

Atiomo W, Read A, Golding M, Silcocks P, Razali N, Sarkar S, Hardiman P, Thornton J. Local recruitment experience in a study comparing the effectiveness of a low glycaemic index diet with a low calorie healthy eating approach at achieving weight loss and reducing the risk of endometrial cancer in women with polycystic ovary syndrome (PCOS). *Contemp Clin Trials*. 2009 Sep;30(5):451-6. Available from: PubMed; PMID 19477300

Aubuchon M, Laughbaum N, Poetker A, Williams D, Thomas M. Supervised short-term nutrition and exercise promotes weight loss in overweight and obese patients with

polycystic ovary syndrome. *Fertil Steril*. 2009 Apr;91(4 Suppl):1336-8. Available from: PubMed; PMID 18555225

Avery JC, Braunack-Mayer AJ. The information needs of women diagnosed with Polycystic Ovarian Syndrome--implications for treatment and health outcomes. *BMC Womens Health*. 2007;7:9. Available from: PubMed; PMID 17578583

Awdishu S, Williams NI, Laredo SE, De Souza MJ. Oligomenorrhoea in exercising women: a polycystic ovarian syndrome phenotype or distinct entity? *Sports Med*. 2009;39(12):1055-69. Available from: PubMed; PMID 19902985

Badawy A, Gibreal A. Clomiphene citrate versus tamoxifen for ovulation induction in women with PCOS: a prospective randomized trial. *Eur J Obstet Gynecol Reprod Biol*. 2011 Nov;159(1):151-4. Available from: PubMed; PMID 21831503

Balen AH. Is metformin the treatment of choice for anovulation in polycystic ovary syndrome? *Nat Clin Pract Endocrinol Metab*. 2007 Jun;3(6):440-1. Available from: PubMed; PMID 17515889

Ballian N, Mantoudis E, Kaltsas GA. Pregnancy following ovarian drilling in a woman with polycystic ovary syndrome and nine previous first trimester miscarriages. *Arch Gynecol Obstet*. 2006 Mar;273(6):384-6. Available from: PubMed; PMID 16195901

Banaszewska B, Pawelczyk L, Spaczynski RZ, Duleba AJ. Comparison of simvastatin and metformin in treatment of polycystic ovary syndrome: prospective randomized trial. *J Clin Endocrinol Metab*. 2009 Dec;94(12):4938-45. Available from: PubMed; PMID 19890022

Barbieri RL, Gargiulo AR. Metformin for the treatment of the polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):63-79. Available from: PubMed; PMID 14973411

Barr S, Hart K, Reeves S, Sharp K, Jeanes YM. Habitual dietary intake, eating pattern and physical activity of women with polycystic ovary syndrome. *Eur J Clin Nutr*. 2011 Oct;65(10):1126-32. Available from: PubMed; PMID 21629269

Barron ML. Proactive management of menstrual cycle abnormalities in young women. *J Perinat Neonatal Nurs*. 2004 Apr-Jun;18(2):81-92. Available from: PubMed; PMID 15214247

Begum MR, Khanam NN, Quadir E, Ferdous J, Begum MS, Khan F, Begum A. Prevention of gestational diabetes mellitus by continuing metformin therapy throughout pregnancy in women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2009 Apr;35(2):282-6. Available from: PubMed; PMID 19708174

- Ben-Haroush A, Yogev Y, Fisch B. Insulin resistance and metformin in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Aug 10;115(2):125-33. Available from: PubMed; PMID 15262344
- Benson S, Hahn S, Tan S, Janssen OE, Schedlowski M, Elsenbruch S. Maladaptive coping with illness in women with polycystic ovary syndrome. *J Obstet Gynecol Neonatal Nurs.* 2010 Jan-Feb;39(1):37-45. Available from: PubMed; PMID 20409101
- Bentley-Lewis R, Seely E, Dunaif A. Ovarian hypertension: polycystic ovary syndrome. *Endocrinol Metab Clin North Am.* 2011 Jun;40(2):433-49, ix-x. Available from: PubMed; PMID 21565677
- Berneis K, Rizzo M, Hersberger M, Rini GB, Di Fede G, Pepe I, Spinas GA, Carmina E. Atherogenic forms of dyslipidaemia in women with polycystic ovary syndrome. *Int J Clin Pract.* 2009 Jan;63(1):56-62. Available from: PubMed; PMID 19125993
- Bloomgarden ZT. Diabetes issues in women and children: polycystic ovary syndrome. *Diabetes Care.* 2003 Aug;26(8):2457-63. Available from: PubMed; PMID 12882878
- Boomsma CM, Fauser BC, Macklon NS. Pregnancy complications in women with polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):72-84. Available from: PubMed; PMID 18181085
- Bouchard P. Treatment of infertility in women with polycystic ovary syndrome. *Ann Endocrinol (Paris).* 2010 May;71(3):225-7. Available from: PubMed; PMID 20394912
- Brewer C, Acharya S, Thake F, Tang T, Balen A. Effect of metformin taken in the 'fresh' in vitro fertilization/intracytoplasmic sperm injection cycle upon subsequent frozen embryo replacement in women with polycystic ovary syndrome. *Hum Fertil (Camb).* 2010 Sep;13(3):134-42. Available from: PubMed; PMID 20849198
- Brown AJ, Tendler DA, McMurray RG, Setji TL. Polycystic ovary syndrome and severe nonalcoholic steatohepatitis: beneficial effect of modest weight loss and exercise on liver biopsy findings. *Endocr Pract.* 2005 Sep-Oct;11(5):319-24. Available from: PubMed; PMID 16191492
- Brown AJ, Setji TL, Sanders LL, Lowry KP, Otvos JD, Kraus WE, Svetkey PL. Effects of exercise on lipoprotein particles in women with polycystic ovary syndrome. *Med Sci Sports Exerc.* 2009 Mar;41(3):497-504. Available from: PubMed; PMID 19204602
- Bruner B, Chad K, Chizen D. Effects of exercise and nutritional counseling in women with polycystic ovary syndrome. *Appl Physiol Nutr Metab.* 2006 Aug;31(4):384-91. Available from: PubMed; PMID 16900227
- Bruni V, Dei M, Pontello V, Vangelisti P. The management of polycystic ovary syndrome. *Ann N Y Acad Sci.* 2003 Nov;997:307-21. Available from: PubMed; PMID 14644838
- Burchall G, Linden MD, Teede H, Piva TJ. Hemostatic abnormalities and relationships to metabolic and hormonal status in polycystic ovarian syndrome. *Trends Cardiovasc Med.* 2011 Jan;21(1):6-14. Available from: PubMed; PMID 22498014
- Carcio H. Polycystic ovarian syndrome. Preventing long-term health effects. *Adv Nurse Pract.* 2000 Nov;8(11):38-43; quiz -5. Available from: PubMed; PMID 12397915
- Cedars MI. Polycystic ovary syndrome: what is it and how should we treat it? *J Pediatr.* 2004 Jan;144(1):4-6. Available from: PubMed; PMID 14722511
- Cheang KI, Nestler JE. Should insulin-sensitizing drugs be used in the treatment of polycystic ovary syndrome? *Reprod Biomed Online.* 2004 Apr;8(4):440-7. Available from: PubMed; PMID 15149568
- Cho LW, Atkin SL. Cardiovascular risk in women with polycystic ovary syndrome. *Minerva Endocrinol.* 2007 Dec;32(4):263-73. Available from: PubMed; PMID 18091663
- Christin-Maitre S, Hugues JN. A comparative randomized multicentric study comparing the step-up versus step-down protocol in polycystic ovary syndrome. *Hum Reprod.* 2003 Aug;18(8):1626-31. Available from: PubMed; PMID 12871872
- Coffey S, Bano G, Mason HD. Health-related quality of life in women with polycystic ovary syndrome: a comparison with the general population using the Polycystic Ovary Syndrome Questionnaire (PCOSQ) and the Short Form-36 (SF-36). *Gynecol Endocrinol.* 2006 Feb;22(2):80-6. Available from: PubMed; PMID 16603432
- Colwell K, Lujan ME, Lawson KL, Pierson RA, Chizen DR. Women's perceptions of polycystic ovary syndrome following participation in a clinical research study: implications for knowledge, feelings, and daily health practices. *J Obstet Gynaecol Can.* 2010 May;32(5):453-9. Available from: PubMed; PMID 20500954
- Connor EL. Adolescent polycystic ovary syndrome. *Adolesc Med State Art Rev.* 2012 Apr;23(1):164-77, xii. Available from: PubMed; PMID 22764561
- Cosar E, Koken G, Sahin FK, Akgun L, Ucok K, Genc A, Yilmazer M. Resting metabolic rate and exercise capacity in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2008 Apr;101(1):31-4. Available from: PubMed; PMID 18082748
- Costa EC, Azevedo GD. Defining exercise prescription in lifestyle modification programs for overweight/obese

- polycystic ovary syndrome women. *Fertil Steril*. 2012 Feb;97(2):e5; author reply e6. Available from: PubMed; PMID 22200176
- Coste O, Paris F, Galtier F, Letois F, Maimoun L, Sultan C. Polycystic ovary-like syndrome in adolescent competitive swimmers. *Fertil Steril*. 2011 Oct;96(4):1037-42. Available from: PubMed; PMID 21820653
- Costello M, Shrestha B, Eden J, Sjoblom P, Johnson N. Insulin-sensitising drugs versus the combined oral contraceptive pill for hirsutism, acne and risk of diabetes, cardiovascular disease, and endometrial cancer in polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2007 (1):CD005552. Available from: PubMed; PMID 17253562
- Costello MF, Shrestha B, Eden J, Johnson NP, Sjoblom P. Metformin versus oral contraceptive pill in polycystic ovary syndrome: a Cochrane review. *Hum Reprod*. 2007 May;22(5):1200-9. Available from: PubMed; PMID 17261574
- Costello MF, Ledger WL. Evidence-based lifestyle and pharmacological management of infertility in women with polycystic ovary syndrome. *Womens Health (Lond Engl)*. 2012 May;8(3):277-90. Available from: PubMed; PMID 22554175
- Crosignani PG, Colombo M, Vegetti W, Somigliana E, Gessati A, Ragni G. Overweight and obese anovulatory patients with polycystic ovaries: parallel improvements in anthropometric indices, ovarian physiology and fertility rate induced by diet. *Hum Reprod*. 2003 Sep;18(9):1928-32. Available from: PubMed; PMID 12923151
- Curi DD, Fonseca AM, Marcondes JA, Almeida JA, Bagnoli VR, Soares JM, Jr., Baracat EC. Metformin versus lifestyle changes in treating women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 Mar;28(3):182-5. Available from: PubMed; PMID 22309675
- D'Anna R, Di Benedetto V, Rizzo P, Raffone E, Interdonato ML, Corrado F, Di Benedetto A. Myo-inositol may prevent gestational diabetes in PCOS women. *Gynecol Endocrinol*. 2012 Jun;28(6):440-2. Available from: PubMed; PMID 22122627
- Daskalopoulos GN, Karkanaki A, Karagiannis A, Mikhailidis DP, Athyros VG. Is the risk for cardiovascular disease increased in all phenotypes of the polycystic ovary syndrome? *Angiology*. 2011 May;62(4):285-90. Available from: PubMed; PMID 21474465
- De Leo V, Musacchio MC, Piomboni P, Di Sabatino A, Morgante G. The administration of metformin during pregnancy reduces polycystic ovary syndrome related gestational complications. *Eur J Obstet Gynecol Reprod Biol*. 2011 Jul;157(1):63-6. Available from: PubMed; PMID 21530058
- Dewailly D, Hieronimus S, Mirakian P, Hugues JN. Polycystic ovary syndrome (PCOS). *Ann Endocrinol (Paris)*. 2010 Feb;71(1):8-13. Available from: PubMed; PMID 20096827
- Diamanti-Kandarakis E, Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Nestler JE. A modern medical quandary: polycystic ovary syndrome, insulin resistance, and oral contraceptive pills. *J Clin Endocrinol Metab*. 2003 May;88(5):1927-32. Available from: PubMed; PMID 12727935
- DuRant EM, Leslie NS, Critch EA. Managing polycystic ovary syndrome: a cognitive behavioral strategy. *Nurs Womens Health*. 2009 Aug;13(4):292-300. Available from: PubMed; PMID 19686552
- Economou F, Xyrafis X, Christakou C, Diamanti-Kandarakis E. The pluripotential effects of hypolipidemic treatment for polycystic ovary syndrome (PCOS): dyslipidemia, cardiovascular risk factors and beyond. *Curr Pharm Des*. 2011;17(9):908-21. Available from: PubMed; PMID 21418035
- Egbase PE, Al-Sharhan M, Grudzinskas JG. 'Early coasting' in patients with polycystic ovarian syndrome is consistent with good clinical outcome. *Hum Reprod*. 2002 May;17(5):1212-6. Available from: PubMed; PMID 11980740
- Ehrmann DA. Polycystic ovary syndrome. *N Engl J Med*. 2005 Mar 24;352(12):1223-36. Available from: PubMed; PMID 15788499
- Eleftheriadou M, Michala L, Stefanidis K, Iliadis I, Lykeridou A, Antsaklis A. Exercise and sedentary habits among adolescents with PCOS. *J Pediatr Adolesc Gynecol*. 2012 Jun;25(3):172-4. Available from: PubMed; PMID 22260889
- Elghblawi E. Polycystic ovary syndrome and female reproduction. *Br J Nurs*. 2007 Oct 11-24;16(18):1118-21. Available from: PubMed; PMID 18073681
- Elia EM, Belgorosky D, Faut M, Vighi S, Pustovrh C, Luigi D, Motta AB. The effects of metformin on uterine tissue of hyperandrogenized BALB/c mice. *Mol Hum Reprod*. 2009 Jul;15(7):421-32. Available from: PubMed; PMID 19482906
- El-Sheikh MM, Hussein M, Fouad S, El-Sheikh R, Bauer O, Al-Hasani S. Limited ovarian stimulation (LOS), prevents the recurrence of severe forms of ovarian hyperstimulation syndrome in polycystic ovarian disease. *Eur J Obstet Gynecol Reprod Biol*. 2001 Feb;94(2):245-9. Available from: PubMed; PMID 11165733
- Engmann L, Siano L, Schmidt D, Nulsen J, Maier D, Benadiva C. GnRH agonist to induce oocyte maturation during IVF in patients at high risk of OHSS. *Reprod Biomed Online*. 2006 Nov;13(5):639-44. Available from: PubMed; PMID 17169172

Essah PA, Apridonidze T, Iuorno MJ, Nestler JE. Effects of short-term and long-term metformin treatment on menstrual cyclicity in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86(1):230-2. Available from: PubMed; PMID 16716324

Essah PA, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *J Endocrinol Invest*. 2006 Mar;29(3):270-80. Available from: PubMed; PMID 16682845

Farrell K, Antoni MH. Insulin resistance, obesity, inflammation, and depression in polycystic ovary syndrome: biobehavioral mechanisms and interventions. *Fertil Steril*. 2010 Oct;94(5):1565-74. Available from: PubMed; PMID 20471009

Farshchi H, Rane A, Love A, Kennedy RL. Diet and nutrition in polycystic ovary syndrome (PCOS): pointers for nutritional management. *J Obstet Gynaecol*. 2007 Nov;27(8):762-73. Available from: PubMed; PMID 18097891

Fenton A, Panay N. Management of polycystic ovary syndrome in postmenopausal women: a medical black hole. *Climacteric*. 2008 Apr;11(2):89-90. Available from: PubMed; PMID 18365851

Fleischman A, Mansfield J. Diagnosis and treatment of polycystic ovarian syndrome and insulin resistance. *Pediatr Ann*. 2005 Sep;34(9):733-8, 41-2. Available from: PubMed; PMID 16222950

Fleming R. The use of insulin sensitising agents in ovulation induction in women with polycystic ovary syndrome. *Hormones (Athens)*. 2006 Jul-Sep;5(3):171-8. Available from: PubMed; PMID 16950750

Florakis D, Diamanti-Kandarakis E, Katsikis I, Nassiss GP, Karkanaki A, Georgopoulos N, Panidis D. Effect of hypocaloric diet plus sibutramine treatment on hormonal and metabolic features in overweight and obese women with polycystic ovary syndrome: a randomized, 24-week study. *Int J Obes (Lond)*. 2008 Apr;32(4):692-9. Available from: PubMed; PMID 18071341

Frederick J, DaCosta V, Wynter S, Reid M, Frederick C, McKenzie C. Effect of the oral contraceptive pill on patients undergoing controlled ovarian hyperstimulation. *West Indian Med J*. 2004 Jan;53(1):39-43. Available from: PubMed; PMID 15114893

Freemark M. Management of adolescents with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3354-6. Available from: PubMed; PMID 22058379

Galletly C, Moran L, Noakes M, Clifton P, Tomlinson L, Norman R. Psychological benefits of a high-protein, low-carbohydrate diet in obese women with polycystic ovary

syndrome--a pilot study. *Appetite*. 2007 Nov;49(3):590-3. Available from: PubMed; PMID 17509728

Galluzzo A, Amato MC, Giordano C. Insulin resistance and polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis*. 2008 Sep;18(7):511-8. Available from: PubMed; PMID 18657405

Gambineri A, Pelusi C, Genghini S, Morselli-Labate AM, Cacciari M, Pagotto U, Pasquali R. Effect of flutamide and metformin administered alone or in combination in dieting obese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2004 Feb;60(2):241-9. Available from: PubMed; PMID 14725687

Gambineri A, Pelusi C, Manicardi E, Vicennati V, Cacciari M, Morselli-Labate AM, Pagotto U, Pasquali R. Glucose intolerance in a large cohort of mediterranean women with polycystic ovary syndrome: phenotype and associated factors. *Diabetes*. 2004 Sep;53(9):2353-8. Available from: PubMed; PMID 15331545

Gambineri A, Patton L, De Iasio R, Cantelli B, Cognini GE, Filicori M, Barreca A, Diamanti-Kandarakis E, Pagotto U, Pasquali R. Efficacy of octreotide-LAR in dieting women with abdominal obesity and polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Jul;90(7):3854-62. Available from: PubMed; PMID 15827099

Gambineri A, Patton L, Vaccina A, Cacciari M, Morselli-Labate AM, Cavazza C, Pagotto U, Pasquali R. Treatment with flutamide, metformin, and their combination added to a hypocaloric diet in overweight-obese women with polycystic ovary syndrome: a randomized, 12-month, placebo-controlled study. *J Clin Endocrinol Metab*. 2006 Oct;91(10):3970-80. Available from: PubMed; PMID 16868063

Georgopoulos NA, Katsikis I, Florakis D, Panidis D, Kandarakis ED. Effect of sibutramine on weight reduction and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):e1. Available from: PubMed; PMID 19362719

Ghazeeri GS, Nassar AH, Younes Z, Awwad JT. Pregnancy outcomes and the effect of metformin treatment in women with polycystic ovary syndrome: an overview. *Acta Obstet Gynecol Scand*. 2012 Jun;91(6):658-78. Available from: PubMed; PMID 22375613

Giallauria F, Orio F, Palomba S, Lombardi G, Colao A, Vigorito C. Cardiovascular risk in women with polycystic ovary syndrome. *J Cardiovasc Med (Hagerstown)*. 2008 Oct;9(10):987-92. Available from: PubMed; PMID 18799960

Giallauria F, Palomba S, Manguso F, Vitelli A, Maresca L, Tafuri D, Lombardi G, Colao A, Vigorito C, Orio F. Abnormal heart rate recovery after maximal cardiopulmonary exercise stress testing in young overweight women with polycystic ovary syndrome. *Clin*

Endocrinol (Oxf). 2008 Jan;68(1):88-93. Available from: PubMed; PMID 17803701

Giallauria F, Palomba S, Maresca L, Vuolo L, Tafuri D, Lombardi G, Colao A, Vigorito C, Francesco O. Exercise training improves autonomic function and inflammatory pattern in women with polycystic ovary syndrome (PCOS). Clin Endocrinol (Oxf). 2008 Nov;69(5):792-8. Available from: PubMed; PMID 18505468

Giallauria F, Palomba S, Vigorito C, Tafuri MG, Colao A, Lombardi G, Orio F. Androgens in polycystic ovary syndrome: the role of exercise and diet. Semin Reprod Med. 2009 Jul;27(4):306-15. Available from: PubMed; PMID 19530064

Glueck CJ, Phillips H, Cameron D, Sieve-Smith L, Wang P. Continuing metformin throughout pregnancy in women with polycystic ovary syndrome appears to safely reduce first-trimester spontaneous abortion: a pilot study. Fertil Steril. 2001 Jan;75(1):46-52. Available from: PubMed; PMID 11163815

Glueck CJ, Wang P, Goldenberg N, Sieve-Smith L. Pregnancy outcomes among women with polycystic ovary syndrome treated with metformin. Hum Reprod. 2002 Nov;17(11):2858-64. Available from: PubMed; PMID 12407039

Glueck CJ, Wang P, Kobayashi S, Phillips H, Sieve-Smith L. Metformin therapy throughout pregnancy reduces the development of gestational diabetes in women with polycystic ovary syndrome. Fertil Steril. 2002 Mar;77(3):520-5. Available from: PubMed; PMID 11872206

Glueck CJ, Moreira A, Goldenberg N, Sieve L, Wang P. Pioglitazone and metformin in obese women with polycystic ovary syndrome not optimally responsive to metformin. Hum Reprod. 2003 Aug;18(8):1618-25. Available from: PubMed; PMID 12871871

Glueck CJ, Goldenberg N, Pranikoff J, Loftspring M, Sieve L, Wang P. Height, weight, and motor-social development during the first 18 months of life in 126 infants born to 109 mothers with polycystic ovary syndrome who conceived on and continued metformin through pregnancy. Hum Reprod. 2004 Jun;19(6):1323-30. Available from: PubMed; PMID 15117896

Glueck CJ, Goldenberg N, Wang P, Loftspring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. Hum Reprod. 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944

Glueck CJ, Wang P, Goldenberg N, Sieve L. Pregnancy loss, polycystic ovary syndrome, thrombophilia, hypofibrinolysis, enoxaparin, metformin. Clin Appl

Thromb Hemost. 2004 Oct;10(4):323-34. Available from: PubMed; PMID 15497018

Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. MedGenMed. 2005;7(4):41. Available from: PubMed; PMID 16614663

Glueck CJ, Aregawi D, Agloria M, Winiarska M, Sieve L, Wang P. Sustainability of 8% weight loss, reduction of insulin resistance, and amelioration of atherogenic-metabolic risk factors over 4 years by metformin-diet in women with polycystic ovary syndrome. Metabolism. 2006 Dec;55(12):1582-9. Available from: PubMed; PMID 17142128

Glueck CJ, Aregawi D, Winiarska M, Agloria M, Luo G, Sieve L, Wang P. Metformin-diet ameliorates coronary heart disease risk factors and facilitates resumption of regular menses in adolescents with polycystic ovary syndrome. J Pediatr Endocrinol Metab. 2006 Jun;19(6):831-42. Available from: PubMed; PMID 16886591

Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Changes in weight, papilledema, headache, visual field, and life status in response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. Transl Res. 2006 Nov;148(5):215-22. Available from: PubMed; PMID 17145568

Glueck CJ, Goldenberg N, Sieve L, Wang P. An observational study of reduction of insulin resistance and prevention of development of type 2 diabetes mellitus in women with polycystic ovary syndrome treated with metformin and diet. Metabolism. 2008 Jul;57(7):954-60. Available from: PubMed; PMID 18555837

Glueck CJ, Pranikoff J, Aregawi D, Wang P. Prevention of gestational diabetes by metformin plus diet in patients with polycystic ovary syndrome. Fertil Steril. 2008 Mar;89(3):625-34. Available from: PubMed; PMID 17678910

Glueck CJ, Goldenberg N, Wang P. Metformin-diet ameliorates coronary heart disease risk factors and facilitates resumption of regular menses in adolescents with polycystic ovary syndrome. J Pediatr Endocrinol Metab. 2009 Sep;22(9):815-26. Available from: PubMed; PMID 19960891

Goldenberg N, Glueck C. Medical therapy in women with polycystic ovarian syndrome before and during pregnancy and lactation. Minerva Ginecol. 2008 Feb;60(1):63-75. Available from: PubMed; PMID 18277353

Goodarzi MO, Azziz R. Metformin use in polycystic ovary syndrome: metabolic benefits and diabetes prevention. Am

- J Med. 2008 Aug;121(8):e9; author reply e11. Available from: PubMed; PMID 18691471
- Guido M, Romualdi D, Belosi C, Selvaggi L, Lanzone A. Longitudinal metabolic observation of metformin effects during pregnancy in hyperinsulinemic women with polycystic ovary syndrome: a case report. *J Endocrinol Invest.* 2004 Jan;27(1):70-5. Available from: PubMed; PMID 15053248
- Gurgan T, Demirel A, Guven S, Benkhalifa M, Girgin B, Li TC. Intravenous calcium infusion as a novel preventive therapy of ovarian hyperstimulation syndrome for patients with polycystic ovarian syndrome. *Fertil Steril.* 2011 Jul;96(1):53-7. Available from: PubMed; PMID 21621772
- Guvenal T, Cetin A, Tasyurt A. Unilateral massive ovarian edema in a woman with polycystic ovaries. *Eur J Obstet Gynecol Reprod Biol.* 2001 Nov;99(1):129-30. Available from: PubMed; PMID 11604203
- Harris-Glocker M, Davidson K, Kochman L, Guzik D, Hoeger K. Improvement in quality-of-life questionnaire measures in obese adolescent females with polycystic ovary syndrome treated with lifestyle changes and oral contraceptives, with or without metformin. *Fertil Steril.* 2010 Feb;93(3):1016-9. Available from: PubMed; PMID 19781696
- Harrison CL, Lombard CB, Moran LJ, Teede HJ. Exercise therapy in polycystic ovary syndrome: a systematic review. *Hum Reprod Update.* 2011 Mar-Apr;17(2):171-83. Available from: PubMed; PMID 20833639
- Harrison CL, Stepto NK, Hutchison SK, Teede HJ. The impact of intensified exercise training on insulin resistance and fitness in overweight and obese women with and without polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2012 Mar;76(3):351-7. Available from: PubMed; PMID 21711376
- Hart R, Norman R. Polycystic ovarian syndrome--prognosis and outcomes. *Best Pract Res Clin Obstet Gynaecol.* 2006 Oct;20(5):751-78. Available from: PubMed; PMID 16766228
- Hart R. Polycystic ovarian syndrome--prognosis and treatment outcomes. *Curr Opin Obstet Gynecol.* 2007 Dec;19(6):529-35. Available from: PubMed; PMID 18007129
- Hassan A, Gordon CM. Polycystic ovary syndrome update in adolescence. *Curr Opin Pediatr.* 2007 Aug;19(4):389-97. Available from: PubMed; PMID 17630601
- Herriot AM, Whitcroft S, Jeanes Y. An retrospective audit of patients with polycystic ovary syndrome: the effects of a reduced glycaemic load diet. *J Hum Nutr Diet.* 2008 Aug;21(4):337-45. Available from: PubMed; PMID 18721400
- Hirschberg AL. Polycystic ovary syndrome, obesity and reproductive implications. *Womens Health (Lond Engl).* 2009 Sep;5(5):529-40; quiz 41-2. Available from: PubMed; PMID 19702452
- Hoeger KM, Kochman L, Wixom N, Craig K, Miller RK, Guzik DS. A randomized, 48-week, placebo-controlled trial of intensive lifestyle modification and/or metformin therapy in overweight women with polycystic ovary syndrome: a pilot study. *Fertil Steril.* 2004 Aug;82(2):421-9. Available from: PubMed; PMID 15302293
- Hoeger KM. Role of lifestyle modification in the management of polycystic ovary syndrome. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):293-310. Available from: PubMed; PMID 16772159
- Hoeger KM. Obesity and lifestyle management in polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):277-94. Available from: PubMed; PMID 17304042
- Hoeger K, Davidson K, Kochman L, Cherry T, Kopin L, Guzik DS. The impact of metformin, oral contraceptives, and lifestyle modification on polycystic ovary syndrome in obese adolescent women in two randomized, placebo-controlled clinical trials. *J Clin Endocrinol Metab.* 2008 Nov;93(11):4299-306. Available from: PubMed; PMID 18728175
- Hoeger KM. Exercise therapy in polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):93-100. Available from: PubMed; PMID 18181087
- Hoeger KM. Polycystic ovary syndrome, inflammation, and statins: do we have the right target? *J Clin Endocrinol Metab.* 2009 Jan;94(1):35-7. Available from: PubMed; PMID 19126632
- Hoeger KM, Oberfield SE. Do women with PCOS have a unique predisposition to obesity? *Fertil Steril.* 2012 Jan;97(1):13-7. Available from: PubMed; PMID 22192136
- Homburg R. Should patients with polycystic ovarian syndrome be treated with metformin? A note of cautious optimism. *Hum Reprod.* 2002 Apr;17(4):853-6. Available from: PubMed; PMID 11925372
- Homburg R. Management of infertility and prevention of ovarian hyperstimulation in women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol.* 2004 Oct;18(5):773-88. Available from: PubMed; PMID 15380146
- Homburg R. Pregnancy complications in PCOS. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):281-92. Available from: PubMed; PMID 16772158
- Honnma H, Hashiba Y, Asada Y, Endo T. Failure of triggering oocyte maturation with a GnRH agonist in polycystic ovary syndrome: two case reports. *Eur J Obstet*

Gynecol Reprod Biol. 2011 Aug;157(2):239-40. Available from: PubMed; PMID 21477915

Humphreys L, Costarelli V. Implementation of dietary and general lifestyle advice among women with polycystic ovarian syndrome. *J R Soc Promot Health*. 2008 Jul;128(4):190-5. Available from: PubMed; PMID 18678115

Hutchison SK, Stepto NK, Harrison CL, Moran LJ, Strauss BJ, Teede HJ. Effects of exercise on insulin resistance and body composition in overweight and obese women with and without polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Jan;96(1):E48-56. Available from: PubMed; PMID 20926534

Hutchison SK, Teede HJ, Rachon D, Harrison CL, Strauss BJ, Stepto NK. Effect of exercise training on insulin sensitivity, mitochondria and computed tomography muscle attenuation in overweight women with and without polycystic ovary syndrome. *Diabetologia*. 2012 May;55(5):1424-34. Available from: PubMed; PMID 22246378

Ibanez L, Ferrer A, Ong K, Amin R, Dunger D, de Zegher F. Insulin sensitization early after menarche prevents progression from precocious pubarche to polycystic ovary syndrome. *J Pediatr*. 2004 Jan;144(1):23-9. Available from: PubMed; PMID 14722514

Ibanez L, de Zegher F. Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of metformin at the start and after more than one year of therapy. *J Clin Endocrinol Metab*. 2005 Jan;90(1):39-43. Available from: PubMed; PMID 15483105

Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab*. 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811

Jakubowicz DJ, Iuorno MJ, Jakubowicz S, Roberts KA, Nestler JE. Effects of metformin on early pregnancy loss in the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Feb;87(2):524-9. Available from: PubMed; PMID 11836280

Jakubowicz D, Wainstein J, Homburg R. The link between polycystic ovarian syndrome and type 2 diabetes: preventive and therapeutic approach in Israel. *Isr Med Assoc J*. 2012 Jul;14(7):442-7. Available from: PubMed; PMID 22953622

Jeanes YM, Barr S, Smith K, Hart KH. Dietary management of women with polycystic ovary syndrome in the United Kingdom: the role of dietitians. *J Hum Nutr Diet*. 2009 Dec;22(6):551-8. Available from: PubMed; PMID 19735349

Jedel E, Labrie F, Oden A, Holm G, Nilsson L, Janson PO, Lind AK, Ohlsson C, Stener-Victorin E. Impact of electroacupuncture and physical exercise on hyperandrogenism and oligo/amenorrhea in women with polycystic ovary syndrome: a randomized controlled trial. *Am J Physiol Endocrinol Metab*. 2011 Jan;300(1):E37-45. Available from: PubMed; PMID 20943753

Jensterle M, Sebestjen M, Janez A, Prezelj J, Kocjan T, Keber I, Pfeifer M. Improvement of endothelial function with metformin and rosiglitazone treatment in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2008 Oct;159(4):399-406. Available from: PubMed; PMID 18653546

Joham AE, Teede HJ, Hutchison SK, Stepto NK, Harrison CL, Paul E, Watt MJ. PIGMENT EPITHELIUM-DERIVED FACTOR, INSULIN SENSITIVITY AND ADIPOSITY IN POLYCYSTIC OVARY SYNDROME: IMPACT OF EXERCISE TRAINING. *Obesity (Silver Spring)*. 2012 May 29. Available from: PubMed; PMID 22641183

Jones GL, Hall JM, Lashen HL, Balen AH, Ledger WL. Health-related quality of life among adolescents with polycystic ovary syndrome. *J Obstet Gynecol Neonatal Nurs*. 2011 Sep-Oct;40(5):577-88. Available from: PubMed; PMID 22273414

Kalro BN, Loucks TL, Berga SL. Neuromodulation in polycystic ovary syndrome. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):35-62. Available from: PubMed; PMID 11293003

Karimzadeh MA, Javedani M. An assessment of lifestyle modification versus medical treatment with clomiphene citrate, metformin, and clomiphene citrate-metformin in patients with polycystic ovary syndrome. *Fertil Steril*. 2010 Jun;94(1):216-20. Available from: PubMed; PMID 19463994

Kasim-Karakas SE, Almario RU, Cunningham W. Effects of protein versus simple sugar intake on weight loss in polycystic ovary syndrome (according to the National Institutes of Health criteria). *Fertil Steril*. 2009 Jul;92(1):262-70. Available from: PubMed; PMID 18691705

Katcher HI, Kunselman AR, Dmitrovic R, Demers LM, Gnatuk CL, Kris-Etherton PM, Legro RS. Comparison of hormonal and metabolic markers after a high-fat, Western meal versus a low-fat, high-fiber meal in women with polycystic ovary syndrome. *Fertil Steril*. 2009 Apr;91(4):1175-82. Available from: PubMed; PMID 18331737

Kelley LS. Polycystic ovarian syndrome. A challenge for occupational health nursing. *AAOHN J*. 2003 Jan;51(1):23-7. Available from: PubMed; PMID 12596342

- Kent SC, Legro RS. Polycystic ovary syndrome in adolescents. *Adolesc Med.* 2002 Feb;13(1):73-88, vi. Available from: PubMed; PMID 11841956
- Khademi A, Alleyassin A, Aghahosseini M, Tabatabaeefar L, Amini M. The Effect of Exercise in PCOS Women Who Exercise Regularly. *Asian J Sports Med.* 2010 Mar;1(1):35-40. Available from: PubMed; PMID 22375190
- Khattab S, Mohsen IA, Foutouh IA, Ramadan A, Moaz M, Al-Inany H. Metformin reduces abortion in pregnant women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2006 Dec;22(12):680-4. Available from: PubMed; PMID 17162710
- Khattab S, Mohsen IA, Aboul Foutouh I, Ashmawi HS, Mohsen MN, van Wely M, van der Veen F, Youssef MA. Can metformin reduce the incidence of gestational diabetes mellitus in pregnant women with polycystic ovary syndrome? Prospective cohort study. *Gynecol Endocrinol.* 2011 Oct;27(10):789-93. Available from: PubMed; PMID 21247239
- Kilic S, Yilmaz N, Zulfikaroglu E, Erdogan G, Aydin M, Batioglu S. Inflammatory-metabolic parameters in obese and nonobese normoandrogenemic polycystic ovary syndrome during metformin and oral contraceptive treatment. *Gynecol Endocrinol.* 2011 Sep;27(9):622-9. Available from: PubMed; PMID 21105835
- King J. Polycystic ovary syndrome. *J Midwifery Womens Health.* 2006 Nov-Dec;51(6):415-22. Available from: PubMed; PMID 17081931
- Koiou E, Tziomalos K, Dinas K, Katsikis I, Kalaitzakis E, Delkos D, Kandaraki EA, Panidis D. The effect of weight loss and treatment with metformin on serum vaspin levels in women with polycystic ovary syndrome. *Endocr J.* 2011;58(4):237-46. Available from: PubMed; PMID 21325745
- Koiou E, Tziomalos K, Katsikis I, Kandaraki EA, Kalaitzakis E, Delkos D, Vosnakis C, Panidis D. Weight loss significantly reduces serum lipocalin-2 levels in overweight and obese women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Jan;28(1):20-4. Available from: PubMed; PMID 21756081
- Kol S, Homburg R, Alsbjerg B, Humaidan P. The gonadotropin-releasing hormone antagonist protocol--the protocol of choice for the polycystic ovary syndrome patient undergoing controlled ovarian stimulation. *Acta Obstet Gynecol Scand.* 2012 Jun;91(6):643-7. Available from: PubMed; PMID 22428986
- Korhonen S, Heinonen S, Hiltunen M, Helisalmi S, Hippelainen M, Koivunen R, Tapanainen JS, Laakso M. Polymorphism in the peroxisome proliferator-activated receptor-gamma gene in women with polycystic ovary syndrome. *Hum Reprod.* 2003 Mar;18(3):540-3. Available from: PubMed; PMID 12615821
- Kovacs G, Wood C. The current status of polycystic ovary syndrome. *Aust N Z J Obstet Gynaecol.* 2001 Feb;41(1):65-8. Available from: PubMed; PMID 11284649
- Kowalska I, Kinalski M, Strackowski M, Wolczynski S, Kinalska I. Insulin, leptin, IGF-I and insulin-dependent protein concentrations after insulin-sensitizing therapy in obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2001 May;144(5):509-15. Available from: PubMed; PMID 11331217
- Kriplani A, Manchanda R, Agarwal N, Nayar B. Laparoscopic ovarian drilling in clomiphene citrate-resistant women with polycystic ovary syndrome. *J Am Assoc Gynecol Laparosc.* 2001 Nov;8(4):511-8. Available from: PubMed; PMID 11677329
- Krysiak R, Okopien B, Gdula-Dymek A, Herman ZS. Update on the management of polycystic ovary syndrome. *Pharmacol Rep.* 2006 Sep-Oct;58(5):614-25. Available from: PubMed; PMID 17085853
- Kuchenbecker WK, Groen H, van Asselt SJ, Bolster JH, Zwerver J, Slart RH, Vd Jagt EJ, Muller Kobold AC, Wolffenbittel BH, Land JA, Hoek A. In women with polycystic ovary syndrome and obesity, loss of intra-abdominal fat is associated with resumption of ovulation. *Hum Reprod.* 2011 Sep;26(9):2505-12. Available from: PubMed; PMID 21771766
- Ladson G, Dodson WC, Sweet SD, Archibong AE, Kunselman AR, Demers LM, Lee PA, Williams NI, Coney P, Legro RS. Effects of metformin in adolescents with polycystic ovary syndrome undertaking lifestyle therapy: a pilot randomized double-blind study. *Fertil Steril.* 2011 Jun 30;95(8):2595-8 e1-6. Available from: PubMed; PMID 21704212
- Ladson G, Dodson WC, Sweet SD, Archibong AE, Kunselman AR, Demers LM, Williams NI, Coney P, Legro RS. The effects of metformin with lifestyle therapy in polycystic ovary syndrome: a randomized double-blind study. *Fertil Steril.* 2011 Mar 1;95(3):1059-66 e1-7. Available from: PubMed; PMID 21193187
- Laggari V, Diareme S, Christogiorgos S, Deligeoroglou E, Christopoulos P, Tsiantis J, Creatsas G. Anxiety and depression in adolescents with polycystic ovary syndrome and Mayer-Rokitansky-Kuster-Hauser syndrome. *J Psychosom Obstet Gynaecol.* 2009 Jun;30(2):83-8. Available from: PubMed; PMID 19533486
- Lass N, Kleber M, Winkel K, Wunsch R, Reinehr T. Effect of lifestyle intervention on features of polycystic ovarian syndrome, metabolic syndrome, and intima-media thickness in obese adolescent girls. *J Clin Endocrinol Metab.* 2011 Nov;96(11):3533-40. Available from: PubMed; PMID 21880803
- Ledger W. What to do about the polycystic ovary 'epidemic'. *Curr Opin Obstet Gynecol.* 2002 Jun;14(3):293-4. Available from: PubMed; PMID 12032385



- Legro RS. Polycystic ovary syndrome: the new millennium. *Mol Cell Endocrinol*. 2001 Nov 26;184(1-2):87-93. Available from: PubMed; PMID 11694344
- Legro RS. Detection of insulin resistance and its treatment in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2002 Dec;15 Suppl 5:1367-78. Available from: PubMed; PMID 12510993
- Legro RS. Polycystic ovary syndrome. Long term sequelae and management. *Minerva Ginecol*. 2002 Apr;54(2):97-114. Available from: PubMed; PMID 12032449
- Legro RS, Castracane VD, Kauffman RP. Detecting insulin resistance in polycystic ovary syndrome: purposes and pitfalls. *Obstet Gynecol Surv*. 2004 Feb;59(2):141-54. Available from: PubMed; PMID 14752302
- Legro RS. Pregnancy considerations in women with polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):295-304. Available from: PubMed; PMID 17304043
- Legro RS. Impact of metformin, oral contraceptives, and lifestyle modification on polycystic ovary syndrome in obese adolescent women: do we need a new drug? *J Clin Endocrinol Metab*. 2008 Nov;93(11):4218-20. Available from: PubMed; PMID 18987279
- Legro RS. Metformin during pregnancy in polycystic ovary syndrome: another vitamin bites the dust. *J Clin Endocrinol Metab*. 2010 Dec;95(12):5199-202. Available from: PubMed; PMID 21131540
- Lenarcik A, Bidzinska-Speichert B. Cardiopulmonary functional capacity and the role of exercise in improving maximal oxygen consumption in women with PCOS. *Endokrynol Pol*. 2010 Mar-Apr;61(2):207-9. Available from: PubMed; PMID 20464708
- Liao LM, Nesic J, Chadwick PM, Brooke-Wavell K, Prelevic GM. Exercise and body image distress in overweight and obese women with polycystic ovary syndrome: a pilot investigation. *Gynecol Endocrinol*. 2008 Oct;24(10):555-61. Available from: PubMed; PMID 19012098
- Liepa GU, Sengupta A, Karsies D. Polycystic ovary syndrome (PCOS) and other androgen excess-related conditions: can changes in dietary intake make a difference? *Nutr Clin Pract*. 2008 Feb;23(1):63-71. Available from: PubMed; PMID 18203965
- Lilja AE, Mathiesen ER. Polycystic ovary syndrome and metformin in pregnancy. *Acta Obstet Gynecol Scand*. 2006;85(7):861-8. Available from: PubMed; PMID 16817087
- Lin K, Coutifaris C. In vitro fertilization in the polycystic ovary syndrome patient: an update. *Clin Obstet Gynecol*. 2007 Mar;50(1):268-76. Available from: PubMed; PMID 17304041
- Lindenbaum C. Polycystic ovarian syndrome. Where genetics and environment collide. *Adv Nurse Pract*. 2010 Feb;18(2):20-6; quiz 7. Available from: PubMed; PMID 20481031
- Lindholm A, Bixo M, Bjorn I, Wolner-Hanssen P, Eliasson M, Larsson A, Johnson O, Poromaa IS. Effect of sibutramine on weight reduction in women with polycystic ovary syndrome: a randomized, double-blind, placebo-controlled trial. *Fertil Steril*. 2008 May;89(5):1221-8. Available from: PubMed; PMID 17603048
- Lobo RA. Priorities in polycystic ovary syndrome. *Med J Aust*. 2001 Jun 4;174(11):554-5. Available from: PubMed; PMID 11453323
- Lord J, Wilkin T. Polycystic ovary syndrome and fat distribution: the central issue? *Hum Fertil (Camb)*. 2002 May;5(2):67-71. Available from: PubMed; PMID 12082210
- Lord JM, Norman R. Obesity, polycystic ovary syndrome, infertility treatment: lifestyle modification is paramount. *BMJ*. 2006 Mar 11;332(7541):609. Available from: PubMed; PMID 16528093
- Lorenz LB, Wild RA. Polycystic ovarian syndrome: an evidence-based approach to evaluation and management of diabetes and cardiovascular risks for today's clinician. *Clin Obstet Gynecol*. 2007 Mar;50(1):226-43. Available from: PubMed; PMID 17304038
- Lydic ML, McNurlan M, Bembo S, Mitchell L, Komaroff E, Gelato M. Chromium picolinate improves insulin sensitivity in obese subjects with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86(1):243-6. Available from: PubMed; PMID 16730719
- Mancini F, Tur R, Martinez F, Coroleu B, Rodriguez I, Barri PN. Gonadotrophin-releasing hormone-antagonists vs long agonist in in-vitro fertilization patients with polycystic ovary syndrome: a meta-analysis. *Gynecol Endocrinol*. 2011 Mar;27(3):150-5. Available from: PubMed; PMID 21117862
- Manneras L, Jonsdottir IH, Holmang A, Lonn M, Stener-Victorin E. Low-frequency electro-acupuncture and physical exercise improve metabolic disturbances and modulate gene expression in adipose tissue in rats with dihydrotestosterone-induced polycystic ovary syndrome. *Endocrinology*. 2008 Jul;149(7):3559-68. Available from: PubMed; PMID 18388196
- Manneras L, Cajander S, Lonn M, Stener-Victorin E. Acupuncture and exercise restore adipose tissue expression of sympathetic markers and improve ovarian morphology in rats with dihydrotestosterone-induced PCOS. *Am J Physiol Regul Integr Comp Physiol*. 2009

Apr;296(4):R1124-31. Available from: PubMed; PMID 19158405

Manni L, Cajander S, Lundeberg T, Naylor AS, Aloe L, Holmang A, Jonsdottir IH, Stener-Victorin E. Effect of exercise on ovarian morphology and expression of nerve growth factor and alpha(1)- and beta(2)-adrenergic receptors in rats with steroid-induced polycystic ovaries. *J Neuroendocrinol*. 2005 Dec;17(12):846-58. Available from: PubMed; PMID 16280032

Manno M, Tomei F, Marchesan E. Polycystic ovary-related miscarriage: should metformin be proposed to such frustrated women? *Hum Reprod*. 2007 Feb;22(2):623; author reply -4. Available from: PubMed; PMID 17060370

Marsh K, Brand-Miller J. The optimal diet for women with polycystic ovary syndrome? *Br J Nutr*. 2005 Aug;94(2):154-65. Available from: PubMed; PMID 16115348

Marsh KA, Steinbeck KS, Atkinson FS, Petocz P, Brand-Miller JC. Effect of a low glycemic index compared with a conventional healthy diet on polycystic ovary syndrome. *Am J Clin Nutr*. 2010 Jul;92(1):83-92. Available from: PubMed; PMID 20484445

Martinez-Bermejo E, Luque-Ramirez M, Escobar-Morreale HF. Obesity and the polycystic ovary syndrome. *Minerva Endocrinol*. 2007 Sep;32(3):129-40. Available from: PubMed; PMID 17912153

Masharani U, Gjerde C, Evans JL, Youngren JF, Goldfine ID. Effects of controlled-release alpha lipoic acid in lean, nondiabetic patients with polycystic ovary syndrome. *J Diabetes Sci Technol*. 2010 Mar;4(2):359-64. Available from: PubMed; PMID 20307398

Mattson-Dicecca AA, Farag N, Reynolds EE. Update: A 27-year-old woman with a diagnosis of polycystic ovary syndrome. *JAMA*. 2009 Feb 4;301(5):532. Available from: PubMed; PMID 19190317

McFarland C. Treating polycystic ovary syndrome and infertility. *MCN Am J Matern Child Nurs*. 2012 Mar-Apr;37(2):116-21. Available from: PubMed; PMID 22357073

Moncayo R, Moncayo H. Inadequate description of an acupuncture treatment study for polycystic ovaries. *Fertil Steril*. 2012 May;97(5):e20; author reply e1. Available from: PubMed; PMID 22445321

Moran LJ, Noakes M, Clifton PM, Tomlinson L, Galletly C, Norman RJ. Dietary composition in restoring reproductive and metabolic physiology in overweight women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Feb;88(2):812-9. Available from: PubMed; PMID 12574218

Moran L, Norman RJ. Understanding and managing disturbances in insulin metabolism and body weight in

women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):719-36. Available from: PubMed; PMID 15380143

Moran LJ, Noakes M, Clifton PM, Wittert GA, Tomlinson L, Galletly C, Luscombe ND, Norman RJ. Ghrelin and measures of satiety are altered in polycystic ovary syndrome but not differentially affected by diet composition. *J Clin Endocrinol Metab*. 2004 Jul;89(7):3337-44. Available from: PubMed; PMID 15240612

Moran LJ, Brinkworth G, Noakes M, Norman RJ. Effects of lifestyle modification in polycystic ovarian syndrome. *Reprod Biomed Online*. 2006 May;12(5):569-78. Available from: PubMed; PMID 16790100

Moran LJ, Noakes M, Clifton PM, Wittert GA, Williams G, Norman RJ. Short-term meal replacements followed by dietary macronutrient restriction enhance weight loss in polycystic ovary syndrome. *Am J Clin Nutr*. 2006 Jul;84(1):77-87. Available from: PubMed; PMID 16825684

Moran LJ, Noakes M, Clifton PM, Wittert GA, Belobrajdic DP, Norman RJ. C-reactive protein before and after weight loss in overweight women with and without polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Aug;92(8):2944-51. Available from: PubMed; PMID 17504892

Moran LJ, Brinkworth GD, Norman RJ. Dietary therapy in polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):85-92. Available from: PubMed; PMID 18181086

Moran LJ, Pasquali R, Teede HJ, Hoeger KM, Norman RJ. Treatment of obesity in polycystic ovary syndrome: a position statement of the Androgen Excess and Polycystic Ovary Syndrome Society. *Fertil Steril*. 2009 Dec;92(6):1966-82. Available from: PubMed; PMID 19062007

Moran LJ, Lombard CB, Lim S, Noakes M, Teede HJ. Polycystic ovary syndrome and weight management. *Womens Health (Lond Engl)*. 2010 Mar;6(2):271-83. Available from: PubMed; PMID 20187731

Moran LJ, Harrison CL, Hutchison SK, Stepto NK, Strauss BJ, Teede HJ. Exercise decreases anti-mullerian hormone in anovulatory overweight women with polycystic ovary syndrome: a pilot study. *Horm Metab Res*. 2011 Dec;43(13):977-9. Available from: PubMed; PMID 21989557

Moran LJ, Hutchison SK, Norman RJ, Teede HJ. Lifestyle changes in women with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2011 (7):CD007506. Available from: PubMed; PMID 21735412

Moran LJ, Hutchison SK, Norman RJ, Teede HJ. Lifestyle changes in women with polycystic ovary syndrome.

- Cochrane Database Syst Rev. 2011 (2):CD007506. Available from: PubMed; PMID 21328294
- Morin-Papunen L, Rantala AS, Unkila-Kallio L, Tiitinen A, Hippelainen M, Perheentupa A, Tinkanen H, Bloigu R, Puukka K, Ruokonen A, Tapanainen JS. Metformin improves pregnancy and live-birth rates in women with polycystic ovary syndrome (PCOS): a multicenter, double-blind, placebo-controlled randomized trial. *J Clin Endocrinol Metab.* 2012 May;97(5):1492-500. Available from: PubMed; PMID 22419702
- Moro C, Pasarica M, Elkind-Hirsch K, Redman LM. Aerobic exercise training improves atrial natriuretic peptide and catecholamine-mediated lipolysis in obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Jul;94(7):2579-86. Available from: PubMed; PMID 19366845
- Motta AB. Report of the international symposium: polycystic ovary syndrome: first Latin-American consensus. *Int J Clin Pract.* 2010 Apr;64(5):544-57. Available from: PubMed; PMID 20456209
- Murray RD, Davison RM, Russell RC, Conway GS. Clinical presentation of PCOS following development of an insulinoma: case report. *Hum Reprod.* 2000 Jan;15(1):86-8. Available from: PubMed; PMID 10611194
- Naka KK, Kalantaridou SN, Kravariti M, Bechlioulis A, Kazakos N, Calis KA, Makrigiannakis A, Katsouras CS, Chrousos GP, Tsatsoulis A, Michalis LK. Effect of the insulin sensitizers metformin and pioglitazone on endothelial function in young women with polycystic ovary syndrome: a prospective randomized study. *Fertil Steril.* 2011 Jan;95(1):203-9. Available from: PubMed; PMID 20684955
- Nawaz FH, Rizvi J. Continuation of metformin reduces early pregnancy loss in obese Pakistani women with polycystic ovarian syndrome. *Gynecol Obstet Invest.* 2010;69(3):184-9. Available from: PubMed; PMID 20029224
- Neal DD, Formyduval AM, Taylor JS. HER LIFESTYLE: a mnemonic for addressing polycystic ovary syndrome in adolescents. *Nurs Womens Health.* 2009 Dec;13(6):472-8. Available from: PubMed; PMID 20017776
- Nidhi R, Padmalatha V, Nagarathna R, Ram A. Effect of a yoga program on glucose metabolism and blood lipid levels in adolescent girls with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2012 Jul;118(1):37-41. Available from: PubMed; PMID 22507264
- Nordio M, Proietti E. The combined therapy with myo-inositol and D-chiro-inositol reduces the risk of metabolic disease in PCOS overweight patients compared to myo-inositol supplementation alone. *Eur Rev Med Pharmacol Sci.* 2012 May;16(5):575-81. Available from: PubMed; PMID 22774396
- Norman RJ, Davies MJ, Lord J, Moran LJ. The role of lifestyle modification in polycystic ovary syndrome. *Trends Endocrinol Metab.* 2002 Aug;13(6):251-7. Available from: PubMed; PMID 12128286
- Norman RJ, Homan G, Moran L, Noakes M. Lifestyle choices, diet, and insulin sensitizers in polycystic ovary syndrome. *Endocrine.* 2006 Aug;30(1):35-43. Available from: PubMed; PMID 17185790
- Nugent D, Vandekerckhove P, Hughes E, Arnot M, Lilford R. Gonadotrophin therapy for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (4):CD000410. Available from: PubMed; PMID 11034687
- Nybacka A, Carlstrom K, Stahle A, Nyren S, Hellstrom PM, Hirschberg AL. Randomized comparison of the influence of dietary management and/or physical exercise on ovarian function and metabolic parameters in overweight women with polycystic ovary syndrome. *Fertil Steril.* 2011 Dec;96(6):1508-13. Available from: PubMed; PMID 21962963
- Ohata Y, Harada T, Ito M, Yoshida S, Iwabe T, Terakawa N. Coasting may reduce the severity of the ovarian hyperstimulation syndrome in patients with polycystic ovary syndrome. *Gynecol Obstet Invest.* 2000;50(3):186-8. Available from: PubMed; PMID 11014952
- Ojaniemi M, Tapanainen P, Morin-Papunen L. Management of polycystic ovary syndrome in childhood and adolescence. *Horm Res Paediatr.* 2010;74(5):372-5. Available from: PubMed; PMID 20861609
- Olszanecka-Glinianowicz M, Zahorska-Markiewicz B, Kocelak P, Janowska J, Semik-Grabarczyk E. The effect of weight loss on inflammation in obese women with polycystic ovary syndrome. *Endokrynol Pol.* 2008 Jan-Feb;59(1):13-7. Available from: PubMed; PMID 18335395
- Oner G, Muderris, II. Clinical, endocrine and metabolic effects of metformin vs N-acetyl-cysteine in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):127-31. Available from: PubMed; PMID 21831508
- Oppelt PG, Mueller A, Jentsch K, Kronawitter D, Reissmann C, Dittrich R, Beckmann MW, Cupisti S. The effect of metformin treatment for 2 years without caloric restriction on endocrine and metabolic parameters in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2010 Oct;118(9):633-7. Available from: PubMed; PMID 19998243
- Orio F, Giallauria F, Palomba S, Manguso F, Orio M, Tafuri D, Lombardi G, Carmina E, Colao A, Vigorito C. Metabolic and cardiopulmonary effects of detraining after a structured exercise training programme in young PCOS women. *Clin Endocrinol (Oxf).* 2008 Jun;68(6):976-81. Available from: PubMed; PMID 17980005

- Ornstein RM, Copperman NM, Jacobson MS. Effect of weight loss on menstrual function in adolescents with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2011 Jun;24(3):161-5. Available from: PubMed; PMID 21419674
- Otta CF, Wior M, Iraci GS, Kaplan R, Torres D, Gaido MI, Wyse EP. Clinical, metabolic, and endocrine parameters in response to metformin and lifestyle intervention in women with polycystic ovary syndrome: a randomized, double-blind, and placebo control trial. *Gynecol Endocrinol*. 2010 Mar;26(3):173-8. Available from: PubMed; PMID 20148739
- Owj M, Tehrani-Nejad ES, Amirchaghmaghi E, Baghestani AR, Ahmadi J. The role of ketoconazole in the prevention of ovarian hyperstimulation syndrome in patients with polycystic ovary syndrome during assisted reproductive technology cycles. *Saudi Med J*. 2005 Oct;26(10):1584-7. Available from: PubMed; PMID 16228060
- Oyawoye OA, Chander B, Hunter J, Gadir AA. Prevention of ovarian hyperstimulation syndrome by early aspiration of small follicles in hyper-responsive patients with polycystic ovaries during assisted reproductive treatment cycles. *MedGenMed*. 2005;7(3):60. Available from: PubMed; PMID 16369286
- Pagotto U, Gambineri A, Vicennati V, Heiman ML, Tschop M, Pasquali R. Plasma ghrelin, obesity, and the polycystic ovary syndrome: correlation with insulin resistance and androgen levels. *J Clin Endocrinol Metab*. 2002 Dec;87(12):5625-9. Available from: PubMed; PMID 12466363
- Pak SC, Kim SE, Oh DM, Shim KM, Jeong MJ, Lim SC, Nah SY, Park SH, Kang SS, Moon CJ, Kim JC, Kim SH, Bae CS. Effect of Korean red ginseng extract in a steroid-induced polycystic ovary murine model. *Arch Pharm Res*. 2009 Mar;32(3):347-52. Available from: PubMed; PMID 19387577
- Palomba S, Orio F, Jr., Falbo A, Russo T, Tolino A, Zullo F. Plasminogen activator inhibitor 1 and miscarriage after metformin treatment and laparoscopic ovarian drilling in patients with polycystic ovary syndrome. *Fertil Steril*. 2005 Sep;84(3):761-5. Available from: PubMed; PMID 16169420
- Palomba S, Falbo A, Orio F, Jr., Russo T, Tolino A, Zullo F. Metformin hydrochloride and recurrent miscarriage in a woman with polycystic ovary syndrome. *Fertil Steril*. 2006 May;85(5):1511 e3-5. Available from: PubMed; PMID 16647382
- Palomba S, Zullo F. Ovulation induction in infertile patients with polycystic ovary syndrome. *Minerva Ginecol*. 2006 Apr;58(2):115-35. Available from: PubMed; PMID 16582868
- Palomba S, Giallauria F, Falbo A, Russo T, Oppedisano R, Tolino A, Colao A, Vigorito C, Zullo F, Orio F. Structured exercise training programme versus hypocaloric hyperproteic diet in obese polycystic ovary syndrome patients with anovulatory infertility: a 24-week pilot study. *Hum Reprod*. 2008 Mar;23(3):642-50. Available from: PubMed; PMID 18158291
- Palomba S, Falbo A, Zullo F, Orio F, Jr. Evidence-based and potential benefits of metformin in the polycystic ovary syndrome: a comprehensive review. *Endocr Rev*. 2009 Feb;30(1):1-50. Available from: PubMed; PMID 19056992
- Palomba S, Falbo A, Giallauria F, Russo T, Rocca M, Tolino A, Zullo F, Orio F. Six weeks of structured exercise training and hypocaloric diet increases the probability of ovulation after clomiphene citrate in overweight and obese patients with polycystic ovary syndrome: a randomized controlled trial. *Hum Reprod*. 2010 Nov;25(11):2783-91. Available from: PubMed; PMID 20858697
- Palomba S, Falbo A, Giallauria F, Russo T, Tolino A, Zullo F, Colao A, Orio F. Effects of metformin with or without supplementation with folate on homocysteine levels and vascular endothelium of women with polycystic ovary syndrome. *Diabetes Care*. 2010 Feb;33(2):246-51. Available from: PubMed; PMID 19933994
- Palomba S, Falbo A, Carrillo L, Villani MT, Orio F, Russo T, Di Cello A, Cappiello F, Capasso S, Tolino A, Colao A, Mastrantonio P, La Sala GB, Zullo F, Cittadini E. Metformin reduces risk of ovarian hyperstimulation syndrome in patients with polycystic ovary syndrome during gonadotropin-stimulated in vitro fertilization cycles: a randomized, controlled trial. *Fertil Steril*. 2011 Dec;96(6):1384-90 e4. Available from: PubMed; PMID 21982727
- Panidis D, Farmakiotis D. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med*. 2007 May 10;356(19):1999; author reply 2000-1. Available from: PubMed; PMID 17494937
- Panidis D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Krassas G. Obesity, weight loss, and the polycystic ovary syndrome: effect of treatment with diet and orlistat for 24 weeks on insulin resistance and androgen levels. *Fertil Steril*. 2008 Apr;89(4):899-906. Available from: PubMed; PMID 17980364
- Papaioannou S, Tzafettas J. Anovulation with or without PCO, hyperandrogenaemia and hyperinsulinaemia as promoters of endometrial and breast cancer. *Best Pract Res Clin Obstet Gynaecol*. 2010 Feb;24(1):19-27. Available from: PubMed; PMID 19264556
- Parsanezhad ME, Alborzi S, Pakniat M, Schmidt EH. A double-blind, randomized, placebo-controlled study to assess the efficacy of ketoconazole for reducing the risk of ovarian hyperstimulation syndrome. *Fertil Steril*. 2003 Nov;80(5):1151-5. Available from: PubMed; PMID 14607566

- Pasquali R, Gambineri A, Biscotti D, Vicennati V, Gagliardi L, Colitta D, Fiorini S, Cognigni GE, Filicori M, Morselli-Labate AM. Effect of long-term treatment with metformin added to hypocaloric diet on body composition, fat distribution, and androgen and insulin levels in abdominally obese women with and without the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2000 Aug;85(8):2767-74. Available from: PubMed; PMID 10946879
- Pasquali R, Gambineri A. Role of changes in dietary habits in polycystic ovary syndrome. *Reprod Biomed Online.* 2004 Apr;8(4):431-9. Available from: PubMed; PMID 15149567
- Pasquali R, Gambineri A. Insulin-sensitizing agents in polycystic ovary syndrome. *Eur J Endocrinol.* 2006 Jun;154(6):763-75. Available from: PubMed; PMID 16728533
- Pasquali R, Gambineri A, Cavazza C, Ibarra Gasparini D, Ciampaglia W, Cognigni GE, Pagotto U. Heterogeneity in the responsiveness to long-term lifestyle intervention and predictability in obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2011 Jan;164(1):53-60. Available from: PubMed; PMID 20956435
- Pelusi B, Gambineri A, Pasquali R. Type 2 diabetes and the polycystic ovary syndrome. *Minerva Ginecol.* 2004 Feb;56(1):41-51. Available from: PubMed; PMID 14973409
- Pereira M, Jr., Vidotti DB, Borra RC, Simoes Mde J, Da Silva ID, Haidar MA. Involvement of GDF-9, leptin, and IGF1 receptors associated with adipose tissue transplantation on fertility restoration in obese anovulatory mice. *Gynecol Endocrinol.* 2011 Oct;27(10):759-66. Available from: PubMed; PMID 21557698
- Pirwany I, Tulandi T. Laparoscopic treatment of polycystic ovaries: is it time to relinquish the procedure? *Fertil Steril.* 2003 Aug;80(2):241-51. Available from: PubMed; PMID 12909478
- Pundir J, Sunkara SK, El-Toukhy T, Khalaf Y. Meta-analysis of GnRH antagonist protocols: do they reduce the risk of OHSS in PCOS? *Reprod Biomed Online.* 2012 Jan;24(1):6-22. Available from: PubMed; PMID 22133908
- Qiu S, Wu C, Lin F, Chen L, Huang Z, Jiang Z. Exercise training improved insulin sensitivity and ovarian morphology in rats with polycystic ovary syndrome. *Horm Metab Res.* 2009 Dec;41(12):880-5. Available from: PubMed; PMID 19693748
- Qublan HS, Yannakoula EK, Al-Qudah MA, El-Uri FI. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovary syndrome. A prospective comparative study. *Saudi Med J.* 2007 Nov;28(11):1694-9. Available from: PubMed; PMID 17965792
- Rachon D, Teede H. Ovarian function and obesity--interrelationship, impact on women's reproductive lifespan and treatment options. *Mol Cell Endocrinol.* 2010 Mar 25;316(2):172-9. Available from: PubMed; PMID 19818376
- Radakovic B, Goldstajn MS. MTHFR C 677T mutation and 4G/5G PAI-1 polymorphism in patient with polycystic ovarian syndrome. *Coll Antropol.* 2007 Sep;31(3):919-21. Available from: PubMed; PMID 18041407
- Rajagopal G, Reddy AP, Venkata Harinarayan C, Suresh V, Bitla A, S PVLNR, Sachan A. Effect of lifestyle modification and metformin therapy on emerging cardiovascular risk factors in overweight Indian women with polycystic ovary syndrome. *Metab Syndr Relat Disord.* 2012 Aug;10(4):273-9. Available from: PubMed; PMID 22468948
- Raja-Khan N, Stener-Victorin E, Wu X, Legro RS. The physiological basis of complementary and alternative medicines for polycystic ovary syndrome. *Am J Physiol Endocrinol Metab.* 2011 Jul;301(1):E1-E10. Available from: PubMed; PMID 21487075
- Rajkhowa M, Glass MR, Rutherford AJ, Michelmore K, Balen AH. Polycystic ovary syndrome: a risk factor for cardiovascular disease? *BJOG.* 2000 Jan;107(1):11-8. Available from: PubMed; PMID 10645855
- Ramidi G, Khan N, Glueck CJ, Wang P, Goldenberg N. Enoxaparin-metformin and enoxaparin alone may safely reduce pregnancy loss. *Transl Res.* 2009 Jan;153(1):33-43. Available from: PubMed; PMID 19100956
- Randeva HS, Lewandowski KC, Drzewoski J, Brooke-Wavell K, O'Callaghan C, Czupryniak L, Hillhouse EW, Prelevic GM. Exercise decreases plasma total homocysteine in overweight young women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Oct;87(10):4496-501. Available from: PubMed; PMID 12364425
- Raskauskas TA. Metformin in polycystic ovary syndrome. *N Engl J Med.* 2008 Apr 24;358(17):1866-7; author reply 8. Available from: PubMed; PMID 18434659
- Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Effects of metformin and ethinyl estradiol-cyproterone acetate on lipid levels in obese and non-obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2005 Feb;152(2):269-75. Available from: PubMed; PMID 15745936
- Redman LM, Elkind-Hirsch K, Ravussin E. Aerobic exercise in women with polycystic ovary syndrome improves ovarian morphology independent of changes in body composition. *Fertil Steril.* 2011 Jun 30;95(8):2696-9. Available from: PubMed; PMID 21324452
- Rezvanfar MA, Rezvanfar MA, Ahmadi A, Shojaei-Saadi HA, Baeeri M, Abdollahi M. Molecular mechanisms of a

novel selenium-based complementary medicine which confers protection against hyperandrogenism-induced polycystic ovary. *Theriogenology*. 2012 Aug;78(3):620-31. Available from: PubMed; PMID 22541319

Rizzo M, Berneis K, Carmina E, Rini GB. How should we manage atherogenic dyslipidemia in women with polycystic ovary syndrome? *Am J Obstet Gynecol*. 2008 Jan;198(1):28 e1-5. Available from: PubMed; PMID 18166299

Rofey DL, Szigethy EM, Noll RB, Dahl RE, Lobst E, Arslanian SA. Cognitive-behavioral therapy for physical and emotional disturbances in adolescents with polycystic ovary syndrome: a pilot study. *J Pediatr Psychol*. 2009 Mar;34(2):156-63. Available from: PubMed; PMID 18556675

Salmi DJ, Zisser HC, Jovanovic L. Screening for and treatment of polycystic ovary syndrome in teenagers. *Exp Biol Med (Maywood)*. 2004 May;229(5):369-77. Available from: PubMed; PMID 15096648

Salvesen KA, Vanky E, Carlsen SM. Metformin treatment in pregnant women with polycystic ovary syndrome--is reduced complication rate mediated by changes in the uteroplacental circulation? *Ultrasound Obstet Gynecol*. 2007 Apr;29(4):433-7. Available from: PubMed; PMID 17330831

Sanfilippo JS. Adolescent gynecology: let me take issue with you and give you the answers. *J Pediatr Adolesc Gynecol*. 2009 Jun;22(3):141-2. Available from: PubMed; PMID 19539198

Sara L, Nadasy G, Antal P, Szekeres M, Monori-Kiss A, Horvath EM, Tokes AM, Masszi G, Monos E, Varbiro S. Arteriolar biomechanics in a rat polycystic ovary syndrome model - effects of parallel vitamin D3 treatment. *Acta Physiol Hung*. 2012 Sep;99(3):279-88. Available from: PubMed; PMID 22982716

Schroder AK, Tauchert S, Ortmann O, Diedrich K, Weiss JM. Insulin resistance in patients with polycystic ovary syndrome. *Ann Med*. 2004;36(6):426-39. Available from: PubMed; PMID 15513294

Seli E, Duleba AJ. Should patients with polycystic ovarian syndrome be treated with metformin? *Hum Reprod*. 2002 Sep;17(9):2230-6. Available from: PubMed; PMID 12202407

Sharma ST, Nestler JE. Prevention of diabetes and cardiovascular disease in women with PCOS: treatment with insulin sensitizers. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):245-60. Available from: PubMed; PMID 16772155

Sharma ST, Wickham EP, 3rd, Nestler JE. Changes in glucose tolerance with metformin treatment in polycystic ovary syndrome: a retrospective analysis. *Endocr Pract*.

2007 Jul-Aug;13(4):373-9. Available from: PubMed; PMID 17669713

Sharma A, Walker DM, Atiomo W. National survey on management of weight reduction in PCOS women in the United Kingdom. *Eur J Obstet Gynecol Reprod Biol*. 2010 Oct;152(2):181-5. Available from: PubMed; PMID 20674135

Shayya R, Chang RJ. Reproductive endocrinology of adolescent polycystic ovary syndrome. *BJOG*. 2010 Jan;117(2):150-5. Available from: PubMed; PMID 20002395

Sirmans SM, Weidman-Evans E, Everton V, Thompson D. Polycystic ovary syndrome and chronic inflammation: pharmacotherapeutic implications. *Ann Pharmacother*. 2012 Mar;46(3):403-18. Available from: PubMed; PMID 22388330

Smith JW, Taylor JS. Polycystic ovary syndrome: evidence-based strategies for managing symptoms and preventing long-term sequelae. *Nurs Womens Health*. 2011 Oct-Nov;15(5):402-10; quiz 11. Available from: PubMed; PMID 22900653

Snyder BS. Polycystic ovary syndrome (PCOS) in the adolescent patient: recommendations for practice. *Pediatr Nurs*. 2005 Sep-Oct;31(5):416-21. Available from: PubMed; PMID 16295159

Sohrabvand F, Shariat M, Haghollahi F, Bagheri B. Effect of metformin on miscarriage in pregnant patients with polycystic ovary syndrome. *West Indian Med J*. 2009 Nov;58(5):433-6. Available from: PubMed; PMID 20441061

Son WY, Yoon SH, Lee SW, Ko Y, Yoon HG, Lim JH. Blastocyst development and pregnancies after IVF of mature oocytes retrieved from unstimulated patients with PCOS after in-vivo HCG priming. *Hum Reprod*. 2002 Jan;17(1):134-6. Available from: PubMed; PMID 11756376

Sonnenstuhl P. More on PCOS. *Adv Nurse Pract*. 2001 Feb;9(2):18. Available from: PubMed; PMID 12416048

Stachenfeld NS, Yeckel CW, Taylor HS. Greater exercise sweating in obese women with polycystic ovary syndrome compared with obese controls. *Med Sci Sports Exerc*. 2010 Sep;42(9):1660-8. Available from: PubMed; PMID 20195177

Stadtmauer LA, Wong BC, Oehninger S. Should patients with polycystic ovary syndrome be treated with metformin? Benefits of insulin sensitizing drugs in polycystic ovary syndrome--beyond ovulation induction. *Hum Reprod*. 2002 Dec;17(12):3016-26. Available from: PubMed; PMID 12456596

Stamets K, Taylor DS, Kunselman A, Demers LM, Pelkman CL, Legro RS. A randomized trial of the effects of

two types of short-term hypocaloric diets on weight loss in women with polycystic ovary syndrome. *Fertil Steril*. 2004 Mar;81(3):630-7. Available from: PubMed; PMID 15037413

Stener-Victorin E, Jedel E, Janson PO, Sverrisdottir YB. Low-frequency electroacupuncture and physical exercise decrease high muscle sympathetic nerve activity in polycystic ovary syndrome. *Am J Physiol Regul Integr Comp Physiol*. 2009 Aug;297(2):R387-95. Available from: PubMed; PMID 19494176

Stener-Victorin E, Baghaei F, Holm G, Janson PO, Olivecrona G, Lonn M, Manneras-Holm L. Effects of acupuncture and exercise on insulin sensitivity, adipose tissue characteristics, and markers of coagulation and fibrinolysis in women with polycystic ovary syndrome: secondary analyses of a randomized controlled trial. *Fertil Steril*. 2012 Feb;97(2):501-8. Available from: PubMed; PMID 22154367

Stephenson T, Stewart G. PCOS: clinical presentation guides treatment of this multifaceted disease. *JAAPA*. 2010 Oct;23(10):20-4. Available from: PubMed; PMID 21128379

Stone JA, Yoder KK, Case EA. Delivery of a full-term pregnancy after TCM treatment in a previously infertile patient diagnosed with polycystic ovary syndrome. *Altern Ther Health Med*. 2009 Jan-Feb;15(1):50-2. Available from: PubMed; PMID 19161048

Sugaya S, Honma R. A case of polycystic ovary syndrome conceived by intracytoplasmic sperm injection following laparoscopic ovarian drilling. *Clin Exp Obstet Gynecol*. 2012;39(2):236-8. Available from: PubMed; PMID 22905473

Swanton A, Lighten A, Granne I, McVeigh E, Lavery S, Trew G, Talmor A, Raine-Fenning N, Jayaprakasan K, Child T. Do women with ovaries of polycystic morphology without any other features of PCOS benefit from short-term metformin co-treatment during IVF? A double-blind, placebo-controlled, randomized trial. *Hum Reprod*. 2011 Aug;26(8):2178-84. Available from: PubMed; PMID 21593045

Tang T, Glanville J, Hayden CJ, White D, Barth JH, Balen AH. Combined lifestyle modification and metformin in obese patients with polycystic ovary syndrome. A randomized, placebo-controlled, double-blind multicentre study. *Hum Reprod*. 2006 Jan;21(1):80-9. Available from: PubMed; PMID 16199429

Tarkun I, Cetinarslan B, Turemen E, Sahin T, Canturk Z, Komsuoglu B. Effect of rosiglitazone on insulin resistance, C-reactive protein and endothelial function in non-obese young women with polycystic ovary syndrome. *Eur J Endocrinol*. 2005 Jul;153(1):115-21. Available from: PubMed; PMID 15994753

Teede HJ, Meyer C, Norman RJ. Insulin-sensitizers in the treatment of polycystic ovary syndrome. *Expert Opin Pharmacother*. 2005 Nov;6(14):2419-27. Available from: PubMed; PMID 16259573

Teede HJ, Misso ML, Deeks AA, Moran LJ, Stuckey BG, Wong JL, Norman RJ, Costello MF. Assessment and management of polycystic ovary syndrome: summary of an evidence-based guideline. *Med J Aust*. 2011 Sep 19;195(6):S65-112. Available from: PubMed; PMID 21929505

Tehranejad ES, Nasiri R, Rashidi B, Haghollahi F, Ataie M. Comparison of GnRH antagonist with long GnRH agonist protocol after OCP pretreatment in PCOs patients. *Arch Gynecol Obstet*. 2010 Sep;282(3):319-25. Available from: PubMed; PMID 20379731

Tfayli H, Ulnach JW, Lee S, Sutton-Tyrrell K, Arslanian S. Drospirenone/ethinyl estradiol versus rosiglitazone treatment in overweight adolescents with polycystic ovary syndrome: comparison of metabolic, hormonal, and cardiovascular risk factors. *J Clin Endocrinol Metab*. 2011 May;96(5):1311-9. Available from: PubMed; PMID 21325466

Thatcher SS, Jackson EM. Pregnancy outcome in infertile patients with polycystic ovary syndrome who were treated with metformin. *Fertil Steril*. 2006 Apr;85(4):1002-9. Available from: PubMed; PMID 16580387

Thomson RL, Buckley JD, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. The effect of a hypocaloric diet with and without exercise training on body composition, cardiometabolic risk profile, and reproductive function in overweight and obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Sep;93(9):3373-80. Available from: PubMed; PMID 18583464

Thomson RL, Buckley JD, Moran LJ, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Comparison of aerobic exercise capacity and muscle strength in overweight women with and without polycystic ovary syndrome. *BJOG*. 2009 Aug;116(9):1242-50. Available from: PubMed; PMID 19438498

Thomson RL, Buckley JD, Lim SS, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Lifestyle management improves quality of life and depression in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Oct;94(5):1812-6. Available from: PubMed; PMID 20004371

Thomson RL, Buckley JD, Brinkworth GD. Exercise for the treatment and management of overweight women with polycystic ovary syndrome: a review of the literature. *Obes Rev*. 2011 May;12(5):e202-10. Available from: PubMed; PMID 20546140

Thomson RL, Brinkworth GD, Noakes M, Clifton PM, Norman RJ, Buckley JD. The effect of diet and exercise on markers of endothelial function in overweight and obese

- women with polycystic ovary syndrome. *Hum Reprod.* 2012 Jul;27(7):2169-76. Available from: PubMed; PMID 22552687
- Tien JC, Tan TY. Non-surgical interventions for threatened and recurrent miscarriages. *Singapore Med J.* 2007 Dec;48(12):1074-90; quiz 90. Available from: PubMed; PMID 18043834
- Tolino A, Gambardella V, Caccavale C, D'Ettore A, Giannotti F, D'Anto V, De Falco CL. Evaluation of ovarian functionality after a dietary treatment in obese women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2005 Mar 1;119(1):87-93. Available from: PubMed; PMID 15734091
- Tomlinson J, Millward A, Stenhouse E, Pinkney J. Type 2 diabetes and cardiovascular disease in polycystic ovary syndrome: what are the risks and can they be reduced? *Diabet Med.* 2010 May;27(5):498-515. Available from: PubMed; PMID 20536945
- Trolle B, Lauszus FF. The impact of physical activity in a case of polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2006;85(7):892-3. Available from: PubMed; PMID 16817095
- Unfer V, Carlomagno G, Dante G, Facchinetti F. Effects of myo-inositol in women with PCOS: a systematic review of randomized controlled trials. *Gynecol Endocrinol.* 2012 Jul;28(7):509-15. Available from: PubMed; PMID 22296306
- Van Dam EW, Roelfsema F, Veldhuis JD, Helmerhorst FM, Frolich M, Meinders AE, Krans HM, Pijl H. Increase in daily LH secretion in response to short-term calorie restriction in obese women with PCOS. *Am J Physiol Endocrinol Metab.* 2002 Apr;282(4):E865-72. Available from: PubMed; PMID 11882506
- van Dam EW, Roelfsema F, Veldhuis JD, Hogendoorn S, Westenberg J, Helmerhorst FM, Frolich M, Krans HM, Meinders AE, Pijl H. Retention of estradiol negative feedback relationship to LH predicts ovulation in response to caloric restriction and weight loss in obese patients with polycystic ovary syndrome. *Am J Physiol Endocrinol Metab.* 2004 Apr;286(4):E615-20. Available from: PubMed; PMID 14678951
- van Wely M, Fauser BC, Laven JS, Eijkemans MJ, van der Veen F. Validation of a prediction model for the follicle-stimulating hormone response dose in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Dec;86(6):1710-5. Available from: PubMed; PMID 17022982
- Vanky E, Kjotrod SB, Maesel A, Bjerve KS, Carlsen SM. Dexamethasone reduces androgen levels in metformin-treated patients with polycystic ovary syndrome. *Fertil Steril.* 2004 Feb;81(2):459-62. Available from: PubMed; PMID 14967392
- Vanky E, Salvesen KA, Carlsen SM. Six-month treatment with low-dose dexamethasone further reduces androgen levels in PCOS women treated with diet and lifestyle advice, and metformin. *Hum Reprod.* 2004 Mar;19(3):529-33. Available from: PubMed; PMID 14998946
- Vanky E, Hjorth-Hansen H, Carlsen SM. Metformin and early pregnancy? *Fertil Steril.* 2006 Nov;86(5):1551-2; author reply 2-3. Available from: PubMed; PMID 16926000
- Vanky E, F DEZ, Diaz M, Ibanez L, Carlsen SM. On the potential of metformin to prevent preterm delivery in women with polycystic ovary syndrome - an epi-analysis. *Acta Obstet Gynecol Scand.* 2012 Sep 24. Available from: PubMed; PMID 23006146
- Vigorito C, Giallauria F, Palomba S, Cascella T, Manguso F, Lucci R, De Lorenzo A, Tafuri D, Lombardi G, Colao A, Orio F. Beneficial effects of a three-month structured exercise training program on cardiopulmonary functional capacity in young women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Apr;92(4):1379-84. Available from: PubMed; PMID 17264174
- Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):311-30. Available from: PubMed; PMID 16772160
- Weickert MO, Hodges P, Tan BK, Randeve HS. Neuroendocrine and endocrine dysfunction in the hyperinsulinemic PCOS patient: the role of metformin. *Minerva Endocrinol.* 2012 Mar;37(1):25-40. Available from: PubMed; PMID 22382613
- Whitaker KN. Polycystic ovary syndrome: an overview. *J Pharm Pract.* 2011 Feb;24(1):94-101. Available from: PubMed; PMID 21650066
- Wiksten-Almstromer M, Hirschberg AL, Hagenfeldt K. Reduced bone mineral density in adult women diagnosed with menstrual disorders during adolescence. *Acta Obstet Gynecol Scand.* 2009;88(5):543-9. Available from: PubMed; PMID 19353333
- Wild RA, Carmina E, Diamanti-Kandarakis E, Dokras A, Escobar-Morreale HF, Futterweit W, Lobo R, Norman RJ, Talbott E, Dumesic DA. Assessment of cardiovascular risk and prevention of cardiovascular disease in women with the polycystic ovary syndrome: a consensus statement by the Androgen Excess and Polycystic Ovary Syndrome (AE-PCOS) Society. *J Clin Endocrinol Metab.* 2010 May;95(5):2038-49. Available from: PubMed; PMID 20375205
- Wilson JF. In the clinic. The polycystic ovary syndrome. *Ann Intern Med.* 2011 Feb 1;154(3):ITC2--ITC-15; quiz ITC2-6. Available from: PubMed; PMID 21282692
- Wiser A, Shalom-Paz E, Reinblatt SL, Holzer H, Tulandi T. Controlled ovarian hyperstimulation in women with



polycystic ovarian syndrome with or without intrauterine insemination. *Gynecol Endocrinol*. 2012 Jul;28(7):502-4. Available from: PubMed; PMID 22122754

Wright CE, Zborowski JV, Talbott EO, McHugh-Pemu K, Youk A. Dietary intake, physical activity, and obesity in women with polycystic ovary syndrome. *Int J Obes Relat Metab Disord*. 2004 Aug;28(8):1026-32. Available from: PubMed; PMID 15159768

Yasmin E, Glanville J, Barth J, Balen AH. Effect of dose escalation of metformin on clinical features, insulin sensitivity and androgen profile in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 May;156(1):67-71. Available from: PubMed; PMID 21277073

Young IS, Nicholls DP. Lipid metabolism. *Curr Opin Lipidol*. 2010 Dec;21(6):550-1. Available from: PubMed; PMID 21206344

Zacur HA. Polycystic ovary syndrome, hyperandrogenism, and insulin resistance. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):21-33. Available from: PubMed; PMID 11293002

Zangeneh FZ, Abdollahi A, Tavassoli P, Naghizadeh MM. The effect of cold stress on polycystic ovary syndrome in rat: before and during modeling. *Arch Gynecol Obstet*. 2011 Sep;284(3):651-7. Available from: PubMed; PMID 20949356

Zhu WJ, Li XM, Chen XM, Zhang L. Follicular aspiration during the selection phase prevents severe ovarian hyperstimulation in patients with polycystic ovary syndrome who are undergoing in vitro fertilization. *Eur J Obstet Gynecol Reprod Biol*. 2005 Sep 1;122(1):79-84. Available from: PubMed; PMID 16154042

Zidenberg N, Wright S. Care of the overweight adolescent including polycystic ovarian syndrome. *Clin Obstet Gynecol*. 2008 Jun;51(2):249-56. Available from: PubMed; PMID 18463456

Zulian E, Sartorato P, Benedini S, Baro G, Armanini D, Mantero F, Scaroni C. Spironolactone in the treatment of polycystic ovary syndrome: effects on clinical features, insulin sensitivity and lipid profile. *J Endocrinol Invest*. 2005 Jan;28(1):49-53. Available from: PubMed; PMID 15816371

## Management of Metabolic Phenotypes

Case problem: dietary recommendations to combat obesity, insulin resistance, and other concerns related to polycystic ovary syndrome. *J Am Diet Assoc*. 2000 Aug;100(8):955-

7; discussion 7-60. Available from: PubMed; PMID 10955058

Tackling polycystic ovary syndrome. *Drug Ther Bull*. 2001 Jan;39(1):1-5. Available from: PubMed; PMID 11221187

ACOG practice bulletin. Polycystic ovary syndrome. Number 41, December 2002. *Int J Gynaecol Obstet*. 2003 Mar;80(3):335-48. Available from: PubMed; PMID 12688250

ACOG Committee Opinion No. 351, November 2006: The overweight adolescent: prevention, treatment, and obstetric-gynecologic implications. *Obstet Gynecol*. 2006 Nov;108(5):1337-48. Available from: PubMed; PMID 17077269

Use of insulin sensitizing agents in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2006 Nov;86(5 Suppl 1):S221-3. Available from: PubMed; PMID 17055827

PCOS (polycystic ovary syndrome): a multifaceted disease from adolescence to elderly. Proceedings of the second Special Scientific Meeting of the Androgen Excess Society. September 30-October 1, 2005. Ravello, Italy. *Fertil Steril*. 2006 Jul;86 Suppl 1:S1-31. Available from: PubMed; PMID 16798272

Use of insulin-sensitizing agents in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2008 Nov;90(5 Suppl):S69-73. Available from: PubMed; PMID 19007650

Consensus on infertility treatment related to polycystic ovary syndrome. *Hum Reprod*. 2008 Mar;23(3):462-77. Available from: PubMed; PMID 18308833

ACOG Practice Bulletin No. 108: Polycystic ovary syndrome. *Obstet Gynecol*. 2009 Oct;114(4):936-49. Available from: PubMed; PMID 19888063

Retraction: Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res*. 2010 Feb;36(1):218. Available from: PubMed; PMID 20178557

Consensus on women's health aspects of polycystic ovary syndrome (PCOS). *Hum Reprod*. 2012 Jan;27(1):14-24. Available from: PubMed; PMID 22147920

Abu Hashim H. Clomiphene citrate alternatives for the initial management of polycystic ovary syndrome: an evidence-based approach. *Arch Gynecol Obstet*. 2012 Jun;285(6):1737-45. Available from: PubMed; PMID 22392485

Agarwal N, Rice SP, Bolusani H, Luzio SD, Dunseath G, Ludgate M, Rees DA. Metformin reduces arterial stiffness and improves endothelial function in young women with polycystic ovary syndrome: a randomized, placebo-controlled, crossover trial. *J Clin Endocrinol Metab*. 2010

Feb;95(2):722-30. Available from: PubMed; PMID 19996308

Agarwal SM, Behere RV, Venkatasubramanian G, Rao NP, Varambally S, Gangadhar BN. A case of successful treatment of comorbid obesity and polycystic ovarian disease with add-on metformin in bipolar disorder. *Prim Care Companion CNS Disord.* 2011;13(5). Available from: PubMed; PMID 22295263

Aghahosseini M, Aleyaseen A, Safdarian L, Moddaress-Hashemi S, Mofid B, Kashani L. Metformin 2,500 mg/day in the treatment of obese women with polycystic ovary syndrome and its effect on weight, hormones, and lipid profile. *Arch Gynecol Obstet.* 2010 Dec;282(6):691-4. Available from: PubMed; PMID 20596715

Aherne SA. Polycystic ovary syndrome. *Nurs Stand.* 2004 Mar 10-16;18(26):40-4. Available from: PubMed; PMID 15052762

Ahmed MI, Duleba AJ, El Shahat O, Ibrahim ME, Salem A. Naltrexone treatment in clomiphene resistant women with polycystic ovary syndrome. *Hum Reprod.* 2008 Nov;23(11):2564-9. Available from: PubMed; PMID 18641399

Aigner E, Bachofner N, Klein K, De Geyter C, Hohla F, Patsch W, Datz C. Retinol-binding protein 4 in polycystic ovary syndrome--association with steroid hormones and response to pioglitazone treatment. *J Clin Endocrinol Metab.* 2009 Apr;94(4):1229-35. Available from: PubMed; PMID 19158194

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. The treatment of polycystic ovary syndrome. *Minerva Ginecol.* 2004 Feb;56(1):15-26. Available from: PubMed; PMID 14973407

Akram T, Hasan S, Imran M, Karim A, Arslan M. Association of polycystic ovary syndrome with cardiovascular risk factors. *Gynecol Endocrinol.* 2010 Jan;26(1):47-53. Available from: PubMed; PMID 19639500

Al-Azemi M, Omu FE, Omu AE. The effect of obesity on the outcome of infertility management in women with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2004 Dec;270(4):205-10. Available from: PubMed; PMID 12955532

Alemzadeh R, Kansra AR. New adolescent polycystic ovary syndrome perspectives. *Minerva Pediatr.* 2011 Feb;63(1):35-47. Available from: PubMed; PMID 21311428

Alexander CJ, Tangchitnob EP, Lepor NE. Polycystic ovary syndrome: a major unrecognized cardiovascular risk factor in women. *Rev Cardiovasc Med.* 2009 Spring;10(2):83-90. Available from: PubMed; PMID 19593320

Allahbadia GN, Merchant R. Polycystic ovary syndrome in the Indian Subcontinent. *Semin Reprod Med.* 2008 Jan;26(1):22-34. Available from: PubMed; PMID 18181079

Allen HF, Mazzoni C, Heptulla RA, Murray MA, Miller N, Koenigs L, Reiter EO. Randomized controlled trial evaluating response to metformin versus standard therapy in the treatment of adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2005 Aug;18(8):761-8. Available from: PubMed; PMID 16200842

Allolio B. Understanding polycystic ovarian syndrome. *Curr Opin Investig Drugs.* 2005 Oct;6(10):978. Available from: PubMed; PMID 16259217

Al-Ojaimi EH. Endocrine changes after laparoscopic ovarian drilling in clomiphene citrate-resistant women with polycystic ovarian syndrome. *Saudi Med J.* 2004 Aug;25(8):1032-9. Available from: PubMed; PMID 15322594

Al-Ojaimi EH. Pregnancy outcomes after laparoscopic ovarian drilling in women with polycystic ovarian syndrome. *Saudi Med J.* 2006 Apr;27(4):519-25. Available from: PubMed; PMID 16598331

Altuntas Y, Bilir M, Ucak S, Gundogdu S. Reactive hypoglycemia in lean young women with PCOS and correlations with insulin sensitivity and with beta cell function. *Eur J Obstet Gynecol Reprod Biol.* 2005 Apr 1;119(2):198-205. Available from: PubMed; PMID 15808380

Alvarez-Blasco F, Luque-Ramirez M, Escobar-Morreale HF. Diet composition and physical activity in overweight and obese premenopausal women with or without polycystic ovary syndrome. *Gynecol Endocrinol.* 2011 Dec;27(12):978-81. Available from: PubMed; PMID 21609197

Amalfi S, Velez LM, Heber MF, Vighi S, Ferreira SR, Orozco AV, Pignataro O, Motta AB. Prenatal hyperandrogenization induces metabolic and endocrine alterations which depend on the levels of testosterone exposure. *PLoS One.* 2012;7(5):e37658. Available from: PubMed; PMID 22655062

Amer SA, Banu Z, Li TC, Cooke ID. Long-term follow-up of patients with polycystic ovary syndrome after laparoscopic ovarian drilling: endocrine and ultrasonographic outcomes. *Hum Reprod.* 2002 Nov;17(11):2851-7. Available from: PubMed; PMID 12407038

Amer SA, Li TC, Cooke ID. A prospective dose-finding study of the amount of thermal energy required for laparoscopic ovarian diathermy. *Hum Reprod.* 2003 Aug;18(8):1693-8. Available from: PubMed; PMID 12871884

- Amer SA, Li TC, Ledger WL. Ovulation induction using laparoscopic ovarian drilling in women with polycystic ovarian syndrome: predictors of success. *Hum Reprod*. 2004 Aug;19(8):1719-24. Available from: PubMed; PMID 15178663
- Amer SA, Laird S, Ledger WL, Li TC. Effect of laparoscopic ovarian diathermy on circulating inhibin B in women with anovulatory polycystic ovary syndrome. *Hum Reprod*. 2007 Feb;22(2):389-94. Available from: PubMed; PMID 17023489
- Amer S, Li TC, Samuelson C, Ledger W. The impact of insulin resistance on the outcome of laparoscopic ovarian diathermy in women with polycystic ovarian syndrome. *Acta Obstet Gynecol Scand*. 2011 Apr;90(4):338-43. Available from: PubMed; PMID 21306324
- Amesse LS, Ding X, Pfaff-Amesse T. From HAIR-AN to eternity. *J Pediatr Adolesc Gynecol*. 2002 Aug;15(4):235-40. Available from: PubMed; PMID 12459231
- Amin M, Abdel-Kareem O, Takekida S, Moriyama T, Abdel-Aal G, Maruo T. Minireview: Up-date management of non responder to clomiphene citrate in polycystic ovary syndrome. *Kobe J Med Sci*. 2003;49(3-4):59-73. Available from: PubMed; PMID 14676484
- Andy C, Flake D, French L. Clinical inquiries. Do insulin-sensitizing drugs increase ovulation rates for women with PCOS? *J Fam Pract*. 2005 Feb;54(2):156, 9-60. Available from: PubMed; PMID 15689292
- Araki T, Elias R, Rosenwaks Z, Poretsky L. Achieving a successful pregnancy in women with polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2011 Dec;40(4):865-94. Available from: PubMed; PMID 22108285
- Araujo Penna I, Canella PR, Vieira CS, Silva de Sa MF, dos Reis RM, Ferriani RA. Cardiovascular risk factors are reduced with a low dose of acarbose in obese patients with polycystic ovary syndrome. *Fertil Steril*. 2007 Aug;88(2):519-22. Available from: PubMed; PMID 17418836
- Ardabili HR, Gargari BP, Farzadi L. Vitamin D supplementation has no effect on insulin resistance assessment in women with polycystic ovary syndrome and vitamin D deficiency. *Nutr Res*. 2012 Mar;32(3):195-201. Available from: PubMed; PMID 22464806
- Armanini D, Castello R, Scaroni C, Bonanni G, Faccini G, Pellati D, Bertoldo A, Fiore C, Moghetti P. Treatment of polycystic ovary syndrome with spironolactone plus licorice. *Eur J Obstet Gynecol Reprod Biol*. 2007 Mar;131(1):61-7. Available from: PubMed; PMID 17113210
- Armanini D, Pellati D, Fiore C. Polycystic ovary syndrome: implications of corticotropin in the regulation of blood pressure, aldosterone, and androgen secretion. *Hypertension*. 2007 Aug;50(2):e24; author reply e5. Available from: PubMed; PMID 17576851
- Armstrong VL, Wiggam MI, Ennis CN, Sheridan B, Traub AI, Atkinson AB, Bell PM. Insulin action and insulin secretion in polycystic ovary syndrome treated with ethinyl oestradiol/cyproterone acetate. *QJM*. 2001 Jan;94(1):31-7. Available from: PubMed; PMID 11161134
- Aroda VR, Ciaraldi TP, Burke P, Mudaliar S, Clopton P, Phillips S, Chang RJ, Henry RR. Metabolic and hormonal changes induced by pioglitazone in polycystic ovary syndrome: a randomized, placebo-controlled clinical trial. *J Clin Endocrinol Metab*. 2009 Feb;94(2):469-76. Available from: PubMed; PMID 18984667
- Arslanian SA, Lewy VD, Danadian K. Glucose intolerance in obese adolescents with polycystic ovary syndrome: roles of insulin resistance and beta-cell dysfunction and risk of cardiovascular disease. *J Clin Endocrinol Metab*. 2001 Jan;86(1):66-71. Available from: PubMed; PMID 11231980
- Arslanian SA, Lewy V, Danadian K, Saad R. Metformin therapy in obese adolescents with polycystic ovary syndrome and impaired glucose tolerance: amelioration of exaggerated adrenal response to adrenocorticotropin with reduction of insulinemia/insulin resistance. *J Clin Endocrinol Metab*. 2002 Apr;87(4):1555-9. Available from: PubMed; PMID 11932281
- Artini PG, Di Berardino OM, Simi G, Papini F, Ruggiero M, Monteleone P, Cela V. Best methods for identification and treatment of PCOS. *Minerva Ginecol*. 2010 Feb;62(1):33-48. Available from: PubMed; PMID 20186113
- Aruna J, Mittal S, Kumar S, Misra R, Dadhwal V, Vimala N. Metformin therapy in women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2004 Dec;87(3):237-41. Available from: PubMed; PMID 15548396
- Asadipooya K, Kalantar-Hormozi M, Nabipour I. Pioglitazone reduces central obesity in polycystic ovary syndrome women. *Gynecol Endocrinol*. 2012 Jan;28(1):16-9. Available from: PubMed; PMID 21756079
- Attaoua R, Ait El Mkaem S, Radian S, Fica S, Hanzu F, Albu A, Gheorghiu M, Coculescu M, Grigorescu F. FTO gene associates to metabolic syndrome in women with polycystic ovary syndrome. *Biochem Biophys Res Commun*. 2008 Aug 22;373(2):230-4. Available from: PubMed; PMID 18572014
- Aubuchon M, Laughbaum N, Poetker A, Williams D, Thomas M. Supervised short-term nutrition and exercise promotes weight loss in overweight and obese patients with polycystic ovary syndrome. *Fertil Steril*. 2009 Apr;91(4 Suppl):1336-8. Available from: PubMed; PMID 18555225
- Aubuchon M, Lieman H, Stein D, Cohen HW, Isaac B, Adel G, Weitzman V, Tetrokalashvili M, Polotsky AJ,

- Santoro N. Metformin does not improve the reproductive or metabolic profile in women with polycystic ovary syndrome (PCOS). *Reprod Sci*. 2009 Oct;16(10):938-46. Available from: PubMed; PMID 19692630
- Awartani KA, Cheung AP. Metformin and polycystic ovary syndrome: a literature review. *J Obstet Gynaecol Can*. 2002 May;24(5):393-401. Available from: PubMed; PMID 12196859
- Azziz R, Ehrmann D, Legro RS, Whitcomb RW, Hanley R, Fereshetian AG, O'Keefe M, Ghazzi MN. Troglitazone improves ovulation and hirsutism in the polycystic ovary syndrome: a multicenter, double blind, placebo-controlled trial. *J Clin Endocrinol Metab*. 2001 Apr;86(4):1626-32. Available from: PubMed; PMID 11297595
- Azziz R. We should avoid the indiscriminate use of insulin sensitizers in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Aug;80(2):264-5. Available from: PubMed; PMID 12909483
- Azziz R, Ehrmann DA, Legro RS, Fereshetian AG, O'Keefe M, Ghazzi MN. Troglitazone decreases adrenal androgen levels in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Apr;79(4):932-7. Available from: PubMed; PMID 12749433
- Badawy A, Mosbah A, Tharwat A, Eid M. Extended letrozole therapy for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a novel protocol. *Fertil Steril*. 2009 Jul;92(1):236-9. Available from: PubMed; PMID 18706549
- Baghdadi LR, Abu Hashim H, Amer SA, Palomba S, Falbo A, Al-Ojaimi E, Ott J, Zhu W, Fernandez H, Nasr A, Ramzy AM, Clark J, Doi SA. Impact of obesity on reproductive outcomes after ovarian ablative therapy in PCOS: a collaborative meta-analysis. *Reprod Biomed Online*. 2012 Sep;25(3):227-41. Available from: PubMed; PMID 22809865
- Bagis T, Gokcel A, Zeyneloglu HB, Tarim E, Kilicdag EB, Haydardedeoglu B. The effects of short-term medroxyprogesterone acetate and micronized progesterone on glucose metabolism and lipid profiles in patients with polycystic ovary syndrome: a prospective randomized study. *J Clin Endocrinol Metab*. 2002 Oct;87(10):4536-40. Available from: PubMed; PMID 12364431
- Bahceci M, Bilge M, Tuzcu A, Tuzcu S, Bahceci S. Serum prostate specific antigen levels in women with polycystic ovary syndrome and the effect of flutamide+desogestrel/ethinyl estradiol combination. *J Endocrinol Invest*. 2004 Apr;27(4):353-6. Available from: PubMed; PMID 15233555
- Bahceci M, Tuzcu A, Canoruc N, Tuzun Y, Kidir V, Aslan C. Serum C-reactive protein (CRP) levels and insulin resistance in non-obese women with polycystic ovarian syndrome, and effect of bicalutamide on hirsutism, CRP levels and insulin resistance. *Horm Res*. 2004;62(6):283-7. Available from: PubMed; PMID 15542929
- Baillargeon JP, Iuorno MJ, Nestler JE. Insulin sensitizers for polycystic ovary syndrome. *Clin Obstet Gynecol*. 2003 Jun;46(2):325-40. Available from: PubMed; PMID 12808383
- Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Apridonidze T, He N, Nestler JE. Metformin therapy increases insulin-stimulated release of D-chiro-inositol-containing inositolphosphoglycan mediator in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Jan;89(1):242-9. Available from: PubMed; PMID 14715857
- Baillargeon JP, Jakubowicz DJ, Iuorno MJ, Jakubowicz S, Nestler JE. Effects of metformin and rosiglitazone, alone and in combination, in nonobese women with polycystic ovary syndrome and normal indices of insulin sensitivity. *Fertil Steril*. 2004 Oct;82(4):893-902. Available from: PubMed; PMID 15482765
- Baillargeon JP. Use of insulin sensitizers in polycystic ovarian syndrome. *Curr Opin Investig Drugs*. 2005 Oct;6(10):1012-22. Available from: PubMed; PMID 16259222
- Baillargeon JP, Iuorno MJ, Apridonidze T, Nestler JE. Uncoupling between insulin and release of a D-chiro-inositol-containing inositolphosphoglycan mediator of insulin action in obese women With polycystic ovary syndrome. *Metab Syndr Relat Disord*. 2010 Apr;8(2):127-36. Available from: PubMed; PMID 20156067
- Bairagi S, Gopal J, Nathan AA, Babu SS, Kumar NP, Dixit M. Glucose-induced increase in circulating progenitor cells is blunted in polycystic amenorrhoeic subjects. *Hum Reprod*. 2012 Mar;27(3):844-53. Available from: PubMed; PMID 22252083
- Baldwin CY, Witchel SF. Polycystic ovary syndrome. *Pediatr Ann*. 2006 Dec;35(12):888-96. Available from: PubMed; PMID 17236436
- Balen A. Ovulation induction--optimizing results and minimizing risks. *Hum Fertil (Camb)*. 2003 May;6 Suppl 1:S42-51. Available from: PubMed; PMID 12869779
- Balen A, Rajkowska M. Polycystic ovary syndrome--a systemic disorder? *Best Pract Res Clin Obstet Gynaecol*. 2003 Apr;17(2):263-74. Available from: PubMed; PMID 12758099
- Balen AH, Dresner M, Scott EM, Drife JO. Should obese women with polycystic ovary syndrome receive treatment for infertility? *BMJ*. 2006 Feb 25;332(7539):434-5. Available from: PubMed; PMID 16497735
- Balen AH, Rutherford AJ. Managing anovulatory infertility and polycystic ovary syndrome. *BMJ*. 2007 Sep

29;335(7621):663-6. Available from: PubMed; PMID 17901517

Bals-Pratsch M, Grosser B, Seifert B, Ortmann O, Seifarth C. Early onset and high prevalence of gestational diabetes in PCOS and insulin resistant women before and after assisted reproduction. *Exp Clin Endocrinol Diabetes*. 2011 Jun;119(6):338-42. Available from: PubMed; PMID 21374548

Banaszewska B, Duleba AJ, Spaczynski RZ, Pawelczyk L. Lipids in polycystic ovary syndrome: role of hyperinsulinemia and effects of metformin. *Am J Obstet Gynecol*. 2006 May;194(5):1266-72. Available from: PubMed; PMID 16647909

Banaszewska B, Pawelczyk L, Spaczynski RZ, Duleba AJ. Comparison of simvastatin and metformin in treatment of polycystic ovary syndrome: prospective randomized trial. *J Clin Endocrinol Metab*. 2009 Dec;94(12):4938-45. Available from: PubMed; PMID 19890022

Banaszewska B, Pawelczyk L, Spaczynski RZ, Duleba AJ. Effects of simvastatin and metformin on polycystic ovary syndrome after six months of treatment. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3493-501. Available from: PubMed; PMID 21865358

Banning M. Symptoms and treatments of polycystic ovary syndrome. *Br J Nurs*. 2006 Jun 22-Jul 12;15(12):635-9. Available from: PubMed; PMID 16835536

Baptiste CG, Battista MC, Trottier A, Baillargeon JP. Insulin and hyperandrogenism in women with polycystic ovary syndrome. *J Steroid Biochem Mol Biol*. 2010 Oct;122(1-3):42-52. Available from: PubMed; PMID 20036327

Barber TM, Wass JA, McCarthy MI, Franks S. Metabolic characteristics of women with polycystic ovaries and oligo-amenorrhoea but normal androgen levels: implications for the management of polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Apr;66(4):513-7. Available from: PubMed; PMID 17371468

Barber TM, Casanueva FF, Karpe F, Lage M, Franks S, McCarthy MI, Wass JA. Ghrelin levels are suppressed and show a blunted response to oral glucose in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2008 Apr;158(4):511-6. Available from: PubMed; PMID 18362298

Barbieri RL. Metformin for the treatment of polycystic ovary syndrome. *Obstet Gynecol*. 2003 Apr;101(4):785-93. Available from: PubMed; PMID 12681887

Barbieri RL, Gargiulo AR. Metformin for the treatment of the polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):63-79. Available from: PubMed; PMID 14973411

Barbieri RL. Clomiphene versus metformin for ovulation induction in polycystic ovary syndrome: the winner is. *J Clin Endocrinol Metab*. 2007 Sep;92(9):3399-401. Available from: PubMed; PMID 17823274

Barr S, Hart K, Reeves S, Sharp K, Jeanes YM. Habitual dietary intake, eating pattern and physical activity of women with polycystic ovary syndrome. *Eur J Clin Nutr*. 2011 Oct;65(10):1126-32. Available from: PubMed; PMID 21629269

Barron AM, Falsetti D. Polycystic ovary syndrome in adolescents. A hormonal barrage and metabolic upheaval. *Adv Nurse Pract*. 2008 Mar;16(3):49-50, 2, 4. Available from: PubMed; PMID 19999504

Bates GW, Shomento S, McKnight K, McLean HM. Discussion: 'Novel clomiphene protocol in polycystic ovarian syndrome' by Hurst et al. *Am J Obstet Gynecol*. 2009 May;200(5):e1-3. Available from: PubMed; PMID 19375561

Bauer J, Isojarvi JI, Herzog AG, Reuber M, Polson D, Tauboll E, Genton P, van der Ven H, Roesing B, Luef GJ, Galimberti CA, van Parys J, Flugel D, Bergmann A, Elger CE. Reproductive dysfunction in women with epilepsy: recommendations for evaluation and management. *J Neurol Neurosurg Psychiatry*. 2002 Aug;73(2):121-5. Available from: PubMed; PMID 12122167

Bayrak A, Terbell H, Urwitz-Lane R, Mor E, Stanczyk FZ, Paulson RJ. Acute effects of metformin therapy include improvement of insulin resistance and ovarian morphology. *Fertil Steril*. 2007 Apr;87(4):870-5. Available from: PubMed; PMID 17224152

Bayram F, Unluhizarci K, Kelestimur F. Potential utility of insulin sensitizers in the treatment of patients with Polycystic ovary syndrome. *Treat Endocrinol*. 2002;1(1):45-53. Available from: PubMed; PMID 15765620

Baysal B, Batukan M, Batukan C. Biochemical and body weight changes with metformin in polycystic ovary syndrome. *Clin Exp Obstet Gynecol*. 2001;28(4):212-4. Available from: PubMed; PMID 11838739

Begum MR, Khanam NN, Quadir E, Ferdous J, Begum MS, Khan F, Begum A. Prevention of gestational diabetes mellitus by continuing metformin therapy throughout pregnancy in women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2009 Apr;35(2):282-6. Available from: PubMed; PMID 19708174

Behradmanesh S, Ranjbar Omrani GH, Ghazanfarpour F, Baradaran A. Effect of metformin on serum ferritin level in women with polycystic ovary syndrome. *Iran Red Crescent Med J*. 2011 Jul;13(7):487-92. Available from: PubMed; PMID 22737516

Belli SH, Graffigna MN, Oneto A, Otero P, Schurman L, Levalle OA. Effect of rosiglitazone on insulin resistance,

- growth factors, and reproductive disturbances in women with polycystic ovary syndrome. *Fertil Steril*. 2004 Mar;81(3):624-9. Available from: PubMed; PMID 15037412
- Bellver J, Martinez-Conejero JA, Labarta E, Alama P, Melo MA, Remohi J, Pellicer A, Horcajadas JA. Endometrial gene expression in the window of implantation is altered in obese women especially in association with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):2335-41, 41 e1-8. Available from: PubMed; PMID 21481376
- Ben-Haroush A, Yogeve Y, Fisch B. Insulin resistance and metformin in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2004 Aug 10;115(2):125-33. Available from: PubMed; PMID 15262344
- Benson S, Hahn S, Tan S, Janssen OE, Schedlowski M, Elsenbruch S. Maladaptive coping with illness in women with polycystic ovary syndrome. *J Obstet Gynecol Neonatal Nurs*. 2010 Jan-Feb;39(1):37-45. Available from: PubMed; PMID 20409101
- Bentley-Lewis R, Seely E, Dunaif A. Ovarian hypertension: polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2011 Jun;40(2):433-49, ix-x. Available from: PubMed; PMID 21565677
- Berent-Spillson A, Love T, Pop-Busui R, Sowers M, Persad CC, Pennington KP, Eyvazaddeh AD, Padmanabhan V, Zubieta JK, Smith YR. Insulin resistance influences central opioid activity in polycystic ovary syndrome. *Fertil Steril*. 2011 Jun 30;95(8):2494-8. Available from: PubMed; PMID 21486668
- Berker B, Emral R, Demirel C, Corapcioglu D, Unlu C, Kose K. Increased insulin-like growth factor-I levels in women with polycystic ovary syndrome, and beneficial effects of metformin therapy. *Gynecol Endocrinol*. 2004 Sep;19(3):125-33. Available from: PubMed; PMID 15697073
- Berria R, Gastaldelli A, Lucidi S, Belfort R, De Filippis E, Easton C, Brytzki R, Cusi K, Jovanovic L, DeFronzo R. Reduction in hematocrit level after pioglitazone treatment is correlated with decreased plasma free testosterone level, not hemodilution, in women with polycystic ovary syndrome. *Clin Pharmacol Ther*. 2006 Aug;80(2):105-14. Available from: PubMed; PMID 16890572
- Bethea SW, Nestler JE. Comorbidities in polycystic ovary syndrome: their relationship to insulin resistance. *Panminerva Med*. 2008 Dec;50(4):295-304. Available from: PubMed; PMID 19078870
- Betts T. Case reports. *Seizure*. 2001 Apr;10(3):229-34. Available from: PubMed; PMID 11437624
- Bhagavath B, Carson SA. Ovulation induction in women with polycystic ovary syndrome: an update. *Am J Obstet Gynecol*. 2012 Mar;206(3):195-8. Available from: PubMed; PMID 21831351
- Bhathena RK. Therapeutic options in the polycystic ovary syndrome. *J Obstet Gynaecol*. 2007 Feb;27(2):123-9. Available from: PubMed; PMID 17454455
- Bhathena RK. Insulin resistance and the long-term consequences of polycystic ovary syndrome. *J Obstet Gynaecol*. 2011;31(2):105-10. Available from: PubMed; PMID 21281021
- Bhatia V. Insulin resistance in polycystic ovarian disease. *South Med J*. 2005 Sep;98(9):903-10; quiz 11-2, 23. Available from: PubMed; PMID 16217983
- Bhattacharya SM. Insulin resistance and overweight-obese women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2010 May;26(5):344-7. Available from: PubMed; PMID 19903118
- Bhattacharya SM, Ghosh M, Basu R. Effects of ethinyl estradiol and desogestrel on clinical and metabolic parameters in Indian patients with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2012 Jan;38(1):285-90. Available from: PubMed; PMID 22070369
- Bidzinska B, Tworowska U, Demissie M, Milewicz A. Modified dexamethasone and gonadotropin-releasing hormone agonist (Dx-GnRHa) test in the evaluation of androgen source(s) in hirsute women. *Przegl Lek*. 2000;57(7-8):393-6. Available from: PubMed; PMID 11109312
- Billa E, Kapolla N, Nicopoulou SC, Koukkou E, Venaki E, Milingos S, Antsaklis A, Adamopoulos DA. Metformin administration was associated with a modification of LH, prolactin and insulin secretion dynamics in women with polycystic ovarian syndrome. *Gynecol Endocrinol*. 2009 Jul;25(7):427-34. Available from: PubMed; PMID 19533481
- Billhult A, Stener-Victorin E. Acupuncture with manual and low frequency electrical stimulation as experienced by women with polycystic ovary syndrome: a qualitative study. *BMC Complement Altern Med*. 2012;12:32. Available from: PubMed; PMID 22471422
- Biro FM. Body morphology and its impact on adolescent and pediatric gynecology, with a special emphasis on polycystic ovary syndrome. *Curr Opin Obstet Gynecol*. 2003 Oct;15(5):347-51. Available from: PubMed; PMID 14501236
- Blackwell VC, Salis P, Groves RW, Baldeweg SE, Conway GS, Unwin RJ. Partial lipodystrophy, polycystic ovary syndrome and proteinuria: a common link to insulin resistance? *J R Soc Med*. 2001 May;94(5):238-40. Available from: PubMed; PMID 11385092
- Bloom MS, Schisterman EF, Hediger ML. The use and misuse of matching in case-control studies: the example of

- polycystic ovary syndrome. *Fertil Steril*. 2007 Sep;88(3):707-10. Available from: PubMed; PMID 17433314
- Bloomgarden ZT, Futterweit W, Poretsky L. Use of insulin-sensitizing agents in patients with polycystic ovary syndrome. *Endocr Pract*. 2001 Jul-Aug;7(4):279-86. Available from: PubMed; PMID 11497481
- Bloomgarden ZT. Diabetes issues in women and children: polycystic ovary syndrome. *Diabetes Care*. 2003 Aug;26(8):2457-63. Available from: PubMed; PMID 12882878
- Bolton S, Cleary B, Walsh J, Dempsey E, Turner MJ. Continuation of metformin in the first trimester of women with polycystic ovarian syndrome is not associated with increased perinatal morbidity. *Eur J Pediatr*. 2009 Feb;168(2):203-6. Available from: PubMed; PMID 18461356
- Boomsma CM, Eijkemans MJ, Hughes EG, Visser GH, Fauser BC, Macklon NS. A meta-analysis of pregnancy outcomes in women with polycystic ovary syndrome. *Hum Reprod Update*. 2006 Nov-Dec;12(6):673-83. Available from: PubMed; PMID 16891296
- Boomsma CM, Fauser BC, Macklon NS. Pregnancy complications in women with polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):72-84. Available from: PubMed; PMID 18181085
- Boudreaux MY, Talbott EO, Kip KE, Brooks MM, Witchel SF. Risk of T2DM and impaired fasting glucose among PCOS subjects: results of an 8-year follow-up. *Curr Diab Rep*. 2006 Feb;6(1):77-83. Available from: PubMed; PMID 16522285
- Bowen-Simpkins P. Detecting polycystic ovary syndrome. *Practitioner*. 2007 Mar;251(1692):51-2, 4-6. Available from: PubMed; PMID 17441487
- Braillon A. Polycystic ovary syndrome. *N Engl J Med*. 2005 Jun 30;352(26):2756-7; author reply -7. Available from: PubMed; PMID 15987930
- Brassard M, AinMelk Y, Baillargeon JP. Basic infertility including polycystic ovary syndrome. *Med Clin North Am*. 2008 Sep;92(5):1163-92, xi. Available from: PubMed; PMID 18721657
- Brettenthaler N, De Geyter C, Huber PR, Keller U. Effect of the insulin sensitizer pioglitazone on insulin resistance, hyperandrogenism, and ovulatory dysfunction in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Aug;89(8):3835-40. Available from: PubMed; PMID 15292314
- Brewer C, Acharya S, Thake F, Tang T, Balen A. Effect of metformin taken in the 'fresh' in vitro fertilization/intracytoplasmic sperm injection cycle upon subsequent frozen embryo replacement in women with polycystic ovary syndrome. *Hum Fertil (Camb)*. 2010 Sep;13(3):134-42. Available from: PubMed; PMID 20849198
- Bridger T, MacDonald S, Baltzer F, Rodd C. Randomized placebo-controlled trial of metformin for adolescents with polycystic ovary syndrome. *Arch Pediatr Adolesc Med*. 2006 Mar;160(3):241-6. Available from: PubMed; PMID 16520442
- Brown AJ. Depression and insulin resistance: applications to polycystic ovary syndrome. *Clin Obstet Gynecol*. 2004 Sep;47(3):592-6. Available from: PubMed; PMID 15326421
- Brown AJ, Tendler DA, McMurray RG, Setji TL. Polycystic ovary syndrome and severe nonalcoholic steatohepatitis: beneficial effect of modest weight loss and exercise on liver biopsy findings. *Endocr Pract*. 2005 Sep-Oct;11(5):319-24. Available from: PubMed; PMID 16191492
- Brown FM, Wyckoff J, Rowan JA, Jovanovic L, Sacks DA, Briggs GG. Metformin in pregnancy: its time has not yet come. *Diabetes Care*. 2006 Feb;29(2):485-6. Available from: PubMed; PMID 16443923
- Bruner B, Chad K, Chizen D. Effects of exercise and nutritional counseling in women with polycystic ovary syndrome. *Appl Physiol Nutr Metab*. 2006 Aug;31(4):384-91. Available from: PubMed; PMID 16900227
- Bruno RV, de Avila MA, Neves FB, Nardi AE, Crespo CM, Sobrinho AT. Comparison of two doses of metformin (2.5 and 1.5 g/day) for the treatment of polycystic ovary syndrome and their effect on body mass index and waist circumference. *Fertil Steril*. 2007 Aug;88(2):510-2. Available from: PubMed; PMID 17433315
- Bruns CM, Baum ST, Colman RJ, Dumesic DA, Eisner JR, Jensen MD, Whigham LD, Abbott DH. Prenatal androgen excess negatively impacts body fat distribution in a nonhuman primate model of polycystic ovary syndrome. *Int J Obes (Lond)*. 2007 Oct;31(10):1579-85. Available from: PubMed; PMID 17471299
- Buccola JM, Reynolds EE. Polycystic ovary syndrome: a review for primary providers. *Prim Care*. 2003 Dec;30(4):697-710. Available from: PubMed; PMID 15024892
- Buggs C, Rosenfield RL. Polycystic ovary syndrome in adolescence. *Endocrinol Metab Clin North Am*. 2005 Sep;34(3):677-705, x. Available from: PubMed; PMID 16085166
- Burchall G, Linden MD, Teede H, Piva TJ. Hemostatic abnormalities and relationships to metabolic and hormonal status in polycystic ovarian syndrome. *Trends Cardiovasc Med*. 2011 Jan;21(1):6-14. Available from: PubMed; PMID 22498014

- Burgers JA, Fong SL, Louwers YV, Valkenburg O, de Jong FH, Fauser BC, Laven JS. Oligoovulatory and anovulatory cycles in women with polycystic ovary syndrome (PCOS): what's the difference? *J Clin Endocrinol Metab.* 2010 Dec;95(12):E485-9. Available from: PubMed; PMID 20843954
- Cagnacci A, Paoletti AM, Renzi A, Orru M, Pilloni M, Melis GB, Volpe A. Glucose metabolism and insulin resistance in women with polycystic ovary syndrome during therapy with oral contraceptives containing cyproterone acetate or desogestrel. *J Clin Endocrinol Metab.* 2003 Aug;88(8):3621-5. Available from: PubMed; PMID 12915645
- Cagnacci A. Oral contraceptives and insulin sensitivity. *Fertil Steril.* 2006 Aug;86(2):495-6; author reply 6-7. Available from: PubMed; PMID 16892490
- Cagnacci A. Oral contraceptives and insulin sensitivity. *Fertil Steril.* 2006 Jul;86(1):e5; author reply e6. Available from: PubMed; PMID 16750203
- Cagnacci A, Tirelli A, Renzi A, Paoletti AM, Volpe A. Effects of two different oral contraceptives on homocysteine metabolism in women with polycystic ovary syndrome. *Contraception.* 2006 Apr;73(4):348-51. Available from: PubMed; PMID 16531164
- Campbell JM, Poirier BW. Polycystic ovary syndrome: a case presentation. *Clin Excell Nurse Pract.* 2000 Nov;4(6):341-4. Available from: PubMed; PMID 11858316
- Carlsen SM, Vanky E, Fleming R. Anti-Mullerian hormone concentrations in androgen-suppressed women with polycystic ovary syndrome. *Hum Reprod.* 2009 Jul;24(7):1732-8. Available from: PubMed; PMID 19342396
- Carlsen SM, Vanky E. Metformin influence on hormone levels at birth, in PCOS mothers and their newborns. *Hum Reprod.* 2010 Mar;25(3):786-90. Available from: PubMed; PMID 20023292
- Carmassi F, De Negri F, Fioriti R, De Giorgi A, Giannarelli C, Fruzzetti F, Pedrinelli R, Dell'Omo G, Bersi C. Insulin resistance causes impaired vasodilation and hypofibrinolysis in young women with polycystic ovary syndrome. *Thromb Res.* 2005;116(3):207-14. Available from: PubMed; PMID 15935829
- Carmina E, Legro RS, Stamets K, Lowell J, Lobo RA. Difference in body weight between American and Italian women with polycystic ovary syndrome: influence of the diet. *Hum Reprod.* 2003 Nov;18(11):2289-93. Available from: PubMed; PMID 14585875
- Carmina E, Lobo RA. Does metformin induce ovulation in normoandrogenic anovulatory women? *Am J Obstet Gynecol.* 2004 Nov;191(5):1580-4. Available from: PubMed; PMID 15547527
- Carmina E, Lobo RA. Use of fasting blood to assess the prevalence of insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Sep;82(3):661-5. Available from: PubMed; PMID 15374711
- Carmina E, Dumesic D. Androgen disorders. *Steroids.* 2012 Mar 10;77(4):289. Available from: PubMed; PMID 22178786
- Cataldo NA, Abbasi F, McLaughlin TL, Basina M, Fechner PY, Giudice LC, Reaven GM. Metabolic and ovarian effects of rosiglitazone treatment for 12 weeks in insulin-resistant women with polycystic ovary syndrome. *Hum Reprod.* 2006 Jan;21(1):109-20. Available from: PubMed; PMID 16155076
- Cattrall FR, Healy DL. Long-term metabolic, cardiovascular and neoplastic risks with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol.* 2004 Oct;18(5):803-12. Available from: PubMed; PMID 15380148
- Celik O, Acbay O. Effects of metformin plus rosuvastatin on hyperandrogenism in polycystic ovary syndrome patients with hyperlipidemia and impaired glucose tolerance. *J Endocrinol Invest.* 2012 Apr 18. Available from: PubMed; PMID 22522778
- Chan CC, Koo MW, Ng EH, Tang OS, Yeung WS, Ho PC. Effects of Chinese green tea on weight, and hormonal and biochemical profiles in obese patients with polycystic ovary syndrome--a randomized placebo-controlled trial. *J Soc Gynecol Investig.* 2006 Jan;13(1):63-8. Available from: PubMed; PMID 16378915
- Charitidou C, Farmakiotis D, Zournatzi V, Pidonia I, Pegiou T, Karamanis N, Hatzistilianou M, Katsikis I, Panidis D. The administration of estrogens, combined with anti-androgens, has beneficial effects on the hormonal features and asymmetric dimethyl-arginine levels, in women with the polycystic ovary syndrome. *Atherosclerosis.* 2008 Feb;196(2):958-65. Available from: PubMed; PMID 17418849
- Chaudhury K, Chaudhury S, Chowdhury S. Does metformin augment the ovulation inducing effects of clomiphene in non-obese women with polycystic ovary syndrome? *J Indian Med Assoc.* 2008 Oct;106(10):643-4, 6-8. Available from: PubMed; PMID 19552097
- Cheang KI, Nestler JE. Should insulin-sensitizing drugs be used in the treatment of polycystic ovary syndrome? *Reprod Biomed Online.* 2004 Apr;8(4):440-7. Available from: PubMed; PMID 15149568
- Cheang KI, Sharma ST, Nestler JE. Is metformin a primary ovulatory agent in patients with polycystic ovary syndrome? *Gynecol Endocrinol.* 2006 Nov;22(11):595-604. Available from: PubMed; PMID 17145645



- Cheang KI, Baillargeon JP, Essah PA, Ostlund RE, Jr., Apridonize T, Islam L, Nestler JE. Insulin-stimulated release of D-chiro-inositol-containing inositolphosphoglycan mediator correlates with insulin sensitivity in women with polycystic ovary syndrome. *Metabolism*. 2008 Oct;57(10):1390-7. Available from: PubMed; PMID 18803944
- Cheang KI, Huszar JM, Best AM, Sharma S, Essah PA, Nestler JE. Long-term effect of metformin on metabolic parameters in the polycystic ovary syndrome. *Diab Vasc Dis Res*. 2009 Apr;6(2):110-9. Available from: PubMed; PMID 20368201
- Checa MA, Requena A, Salvador C, Tur R, Callejo J, Espinos JJ, Fabregues F, Herrero J. Insulin-sensitizing agents: use in pregnancy and as therapy in polycystic ovary syndrome. *Hum Reprod Update*. 2005 Jul-Aug;11(4):375-90. Available from: PubMed; PMID 15878899
- Chen MJ, Yang WS, Yang JH, Chen CL, Ho HN, Yang YS. Relationship between androgen levels and blood pressure in young women with polycystic ovary syndrome. *Hypertension*. 2007 Jun;49(6):1442-7. Available from: PubMed; PMID 17389259
- Chen JT, Tominaga K, Sato Y, Anzai H, Matsuoka R. Maitake mushroom (*Grifola frondosa*) extract induces ovulation in patients with polycystic ovary syndrome: a possible monotherapy and a combination therapy after failure with first-line clomiphene citrate. *J Altern Complement Med*. 2010 Dec;16(12):1295-9. Available from: PubMed; PMID 21034160
- Chen MJ, Yang WS, Chen HF, Kuo JJ, Ho HN, Yang YS, Chen SU. Increased follistatin levels after oral contraceptive treatment in obese and non-obese women with polycystic ovary syndrome. *Hum Reprod*. 2010 Mar;25(3):779-85. Available from: PubMed; PMID 20093255
- Cheung AP, Pride SM, Yuen BH, Sy L. In-vivo ovarian androgen responses to recombinant FSH with and without recombinant LH in polycystic ovarian syndrome. *Hum Reprod*. 2002 Oct;17(10):2540-7. Available from: PubMed; PMID 12351525
- Cho LW, Atkin SL. Cardiovascular risk in women with polycystic ovary syndrome. *Minerva Endocrinol*. 2007 Dec;32(4):263-73. Available from: PubMed; PMID 18091663
- Cho LW, Kilpatrick ES, Keevil BG, Coady AM, Atkin SL. Effect of metformin, orlistat and pioglitazone treatment on mean insulin resistance and its biological variability in polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2009 Feb;70(2):233-7. Available from: PubMed; PMID 18547343
- Chou KH, von Eye Corleta H, Capp E, Spritzer PM. Clinical, metabolic and endocrine parameters in response to metformin in obese women with polycystic ovary syndrome: a randomized, double-blind and placebo-controlled trial. *Horm Metab Res*. 2003 Feb;35(2):86-91. Available from: PubMed; PMID 12734787
- Christakou CD, Diamanti-Kandarakis E. Role of androgen excess on metabolic aberrations and cardiovascular risk in women with polycystic ovary syndrome. *Womens Health (Lond Engl)*. 2008 Nov;4(6):583-94. Available from: PubMed; PMID 19072461
- Chuan SS, Chang RJ. Polycystic ovary syndrome and acne. *Skin Therapy Lett*. 2010 Nov-Dec;15(10):1-4. Available from: PubMed; PMID 21076799
- Chun-Sen H, Chien-Hua W, Wan-Chun C, Ching-Tzu L, Chun-Jen C, Ming IH. Obesity and insulin resistance in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 May;27(5):300-6. Available from: PubMed; PMID 20500115
- Ciampelli M, Guido M, Cucinelli F, Cinque B, Barini A, Lanzone A. Hypothalamic-pituitary-adrenal axis sensitivity to opioids in women with polycystic ovary syndrome. *Fertil Steril*. 2000 Apr;73(4):712-7. Available from: PubMed; PMID 10731530
- Ciampelli M, Leoni F, Lattanzi F, Guido M, Apa R, Lanzone A. A pilot study of the long-term effects of acipimox in polycystic ovarian syndrome. *Hum Reprod*. 2002 Mar;17(3):647-53. Available from: PubMed; PMID 11870117
- Ciampelli M, Leoni F, Cucinelli F, Mancuso S, Panunzi S, De Gaetano A, Lanzone A. Assessment of insulin sensitivity from measurements in the fasting state and during an oral glucose tolerance test in polycystic ovary syndrome and menopausal patients. *J Clin Endocrinol Metab*. 2005 Mar;90(3):1398-406. Available from: PubMed; PMID 15598698
- Cibula D, Hill M, Fanta M, Sindelka G, Zivny J. Does obesity diminish the positive effect of oral contraceptive treatment on hyperandrogenism in women with polycystic ovarian syndrome? *Hum Reprod*. 2001 May;16(5):940-4. Available from: PubMed; PMID 11331641
- Cibula D, Sindelka G, Hill M, Fanta M, Skrha J, Zivny J. Insulin sensitivity in non-obese women with polycystic ovary syndrome during treatment with oral contraceptives containing low-androgenic progestin. *Hum Reprod*. 2002 Jan;17(1):76-82. Available from: PubMed; PMID 11756365
- Cibula D, Fanta M, Vrbikova J, Stanicka S, Dvorakova K, Hill M, Skrha J, Zivny J, Skrenkova J. The effect of combination therapy with metformin and combined oral contraceptives (COC) versus COC alone on insulin sensitivity, hyperandrogenaemia, SHBG and lipids in PCOS patients. *Hum Reprod*. 2005 Jan;20(1):180-4. Available from: PubMed; PMID 15576394

- Ciepiela P, Baczkowski T, Brelik P, Antonowicz A, Safranow K, Kurzawa R. Biotechnological and clinical outcome of in vitro fertilization in non-obese patients with polycystic ovarian syndrome. *Folia Histochem Cytobiol.* 2007;45 Suppl 1:S65-71. Available from: PubMed; PMID 18292838
- Ciotta L, Calogero AE, Farina M, De Leo V, La Marca A, Cianci A. Clinical, endocrine and metabolic effects of acarbose, an alpha-glucosidase inhibitor, in PCOS patients with increased insulin response and normal glucose tolerance. *Hum Reprod.* 2001 Oct;16(10):2066-72. Available from: PubMed; PMID 11574493
- Ciotta L, De Leo V, Farina M, Pafumi C, La Marca A, Cianci A. Endocrine and metabolic effects of insulin sensitizers in the treatment of patients with polycystic ovary syndrome and hyperinsulinaemia. *Gynecol Obstet Invest.* 2001;51(1):44-50. Available from: PubMed; PMID 11150875
- Cittadini E. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril.* 2011 Jun 30;95(8):e57; author reply e8. Available from: PubMed; PMID 21514580
- Cocksedge KA, Li TC, Saravelos SH, Metwally M. A reappraisal of the role of polycystic ovary syndrome in recurrent miscarriage. *Reprod Biomed Online.* 2008 Jul;17(1):151-60. Available from: PubMed; PMID 18616903
- Coffler MS, Patel K, Dahan MH, Yoo RY, Malcom PJ, Chang RJ. Enhanced granulosa cell responsiveness to follicle-stimulating hormone during insulin infusion in women with polycystic ovary syndrome treated with pioglitazone. *J Clin Endocrinol Metab.* 2003 Dec;88(12):5624-31. Available from: PubMed; PMID 14671144
- Comim FV, Spritzer PM. Increased growth hormone response to clonidine in nonobese normoinsulinemic patients with polycystic ovary syndrome. *Fertil Steril.* 2004 Jan;81(1):108-13. Available from: PubMed; PMID 14711552
- Conaglen HM, Conaglen JV. Sexual desire in women presenting for antiandrogen therapy. *J Sex Marital Ther.* 2003 Jul-Aug;29(4):255-67. Available from: PubMed; PMID 14504014
- Connor EL. Adolescent polycystic ovary syndrome. *Adolesc Med State Art Rev.* 2012 Apr;23(1):164-77, xii. Available from: PubMed; PMID 22764561
- Cosar E, Koken G, Sahin FK, Akgun L, Ucok K, Genc A, Yilmazer M. Resting metabolic rate and exercise capacity in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2008 Apr;101(1):31-4. Available from: PubMed; PMID 18082748
- Cosar E, Koken G, Sahin FK, Ario DT, Yilmazer M. Insulin sensitivity does not differentiate by hirsutism in non-obese women with polycystic ovary syndrome. *Endocr J.* 2008 Jul;55(3):465-8. Available from: PubMed; PMID 18520106
- Cosar E, Ucok K, Akgun L, Koken G, Sahin FK, Ario DT, Bas O. Body fat composition and distribution in women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2008 Aug;24(8):428-32. Available from: PubMed; PMID 18850379
- Costa EC, Azevedo GD. Defining exercise prescription in lifestyle modification programs for overweight/obese polycystic ovary syndrome women. *Fertil Steril.* 2012 Feb;97(2):e5; author reply e6. Available from: PubMed; PMID 22200176
- Costantino D, Minozzi G, Minozzi E, Guaraldi C. Metabolic and hormonal effects of myo-inositol in women with polycystic ovary syndrome: a double-blind trial. *Eur Rev Med Pharmacol Sci.* 2009 Mar-Apr;13(2):105-10. Available from: PubMed; PMID 19499845
- Coste O, Paris F, Galtier F, Letois F, Maimoun L, Sultan C. Polycystic ovary-like syndrome in adolescent competitive swimmers. *Fertil Steril.* 2011 Oct;96(4):1037-42. Available from: PubMed; PMID 21820653
- Costello MF, Eden JA. A systematic review of the reproductive system effects of metformin in patients with polycystic ovary syndrome. *Fertil Steril.* 2003 Jan;79(1):1-13. Available from: PubMed; PMID 12524053
- Costello MF. Polycystic ovary syndrome--a management update. *Aust Fam Physician.* 2005 Mar;34(3):127-33. Available from: PubMed; PMID 15799658
- Costello M, Shrestha B, Eden J, Sjoblom P, Johnson N. Insulin-sensitising drugs versus the combined oral contraceptive pill for hirsutism, acne and risk of diabetes, cardiovascular disease, and endometrial cancer in polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2007 (1):CD005552. Available from: PubMed; PMID 17253562
- Costello MF, Ledger WL. Evidence-based management of infertility in women with polycystic ovary syndrome using surgery or assisted reproductive technology. *Womens Health (Lond Engl).* 2012 May;8(3):291-300. Available from: PubMed; PMID 22554176
- Costello MF, Ledger WL. Evidence-based lifestyle and pharmacological management of infertility in women with polycystic ovary syndrome. *Womens Health (Lond Engl).* 2012 May;8(3):277-90. Available from: PubMed; PMID 22554175
- Couzin J. Focus on your health. 'It's not your fault'. *Newsweek.* 2001 Nov 5;139(19):70-1. Available from: PubMed; PMID 11710164

- Creanga AA, Bradley HM, McCormick C, Witkop CT. Use of metformin in polycystic ovary syndrome: a meta-analysis. *Obstet Gynecol.* 2008 Apr;111(4):959-68. Available from: PubMed; PMID 18378757
- Creatsas G, Deligeoroglou E. Polycystic ovarian syndrome in adolescents. *Curr Opin Obstet Gynecol.* 2007 Oct;19(5):420-6. Available from: PubMed; PMID 17885456
- Crete J, Adamshick P. Managing polycystic ovary syndrome: what our patients are telling us. *J Holist Nurs.* 2011 Dec;29(4):256-66. Available from: PubMed; PMID 21357181
- Crisosto N, Echiburu B, Maliqueo M, Perez V, Ladron de Guevara A, Preisler J, Sanchez F, Sir-Petermann T. Improvement of hyperandrogenism and hyperinsulinemia during pregnancy in women with polycystic ovary syndrome: possible effect in the ovarian follicular mass of their daughters. *Fertil Steril.* 2012 Jan;97(1):218-24. Available from: PubMed; PMID 22088206
- Cristello F, Cela V, Artini PG, Genazzani AR. Therapeutic strategies for ovulation induction in infertile women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2005 Dec;21(6):340-52. Available from: PubMed; PMID 16390783
- Crosignani PG, Colombo M, Vegetti W, Somigliana E, Gessati A, Ragni G. Overweight and obese anovulatory patients with polycystic ovaries: parallel improvements in anthropometric indices, ovarian physiology and fertility rate induced by diet. *Hum Reprod.* 2003 Sep;18(9):1928-32. Available from: PubMed; PMID 12923151
- Cupisti S, Giltay EJ, Gooren LJ, Kronawitter D, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The impact of testosterone administration to female-to-male transsexuals on insulin resistance and lipid parameters compared with women with polycystic ovary syndrome. *Fertil Steril.* 2010 Dec;94(7):2647-53. Available from: PubMed; PMID 20451188
- Cupisti S, Haberle L, Dittrich R, Oppelt PG, Reissmann C, Kronawitter D, Beckmann MW, Mueller A. Smoking is associated with increased free testosterone and fasting insulin levels in women with polycystic ovary syndrome, resulting in aggravated insulin resistance. *Fertil Steril.* 2010 Jul;94(2):673-7. Available from: PubMed; PMID 19394003
- Curry A. Better care for PCOS. Studying women's genes to find out what works. *Diabetes Forecast.* 2012 Mar;65(3):71-2. Available from: PubMed; PMID 22439384
- Cussons AJ, Stuckey BG, Walsh JP, Burke V, Norman RJ. Polycystic ovarian syndrome: marked differences between endocrinologists and gynaecologists in diagnosis and management. *Clin Endocrinol (Oxf).* 2005 Mar;62(3):289-95. Available from: PubMed; PMID 15730409
- Cussons AJ, Watts GF, Mori TA, Stuckey BG. Omega-3 fatty acid supplementation decreases liver fat content in polycystic ovary syndrome: a randomized controlled trial employing proton magnetic resonance spectroscopy. *J Clin Endocrinol Metab.* 2009 Oct;94(10):3842-8. Available from: PubMed; PMID 19622617
- da Silva BB, Lopes-Costa PV, Rosal MA, Pires CG, dos Santos LG, Gontijo JA, Alencar AP, de Jesus Simoes M. Morphological and morphometric analysis of the adrenal cortex of androgenized female rats. *Gynecol Obstet Invest.* 2007;64(1):44-8. Available from: PubMed; PMID 17259713
- Daghestani MH, Daghestani MH, El-Mazny A. Circulating ghrelin levels and the polycystic ovary syndrome: correlation with the clinical, hormonal and metabolic features. *Eur J Obstet Gynecol Reprod Biol.* 2011 Mar;155(1):65-8. Available from: PubMed; PMID 21216086
- Dale PO, Tanbo T, Ertzeid G, Bjercke S, Oldereid N, Fedorcsak P, Abyholm T. The impact of insulin resistance on the outcome of laparoscopic ovarian electrocautery in infertile women with the polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Oct;19(4):182-9. Available from: PubMed; PMID 15724800
- D'Anna R, Di Benedetto V, Rizzo P, Raffone E, Interdonato ML, Corrado F, Di Benedetto A. Myo-inositol may prevent gestational diabetes in PCOS women. *Gynecol Endocrinol.* 2012 Jun;28(6):440-2. Available from: PubMed; PMID 22122627
- Daskalopoulos GN, Karkanaki A, Karagiannis A, Mikhailidis DP, Athyros VG. Is the risk for cardiovascular disease increased in all phenotypes of the polycystic ovary syndrome? *Angiology.* 2011 May;62(4):285-90. Available from: PubMed; PMID 21474465
- De Leo V, La Marca A, Morgante G. Metformin and ovarian steroidogenesis in PCOS women. *Clin Endocrinol (Oxf).* 2000 Feb;52(2):243; author reply 4-6. Available from: PubMed; PMID 10671955
- de Leo V, la Marca A, Morgante G, Ciotta L, Mencaglia L, Cianci A, Petraglia F. Clomiphene citrate increases insulin-like growth factor binding protein-1 and reduces insulin-like growth factor-I without correcting insulin resistance associated with polycystic ovarian syndrome. *Hum Reprod.* 2000 Nov;15(11):2302-5. Available from: PubMed; PMID 11056123
- De Leo V, la Marca A, Petraglia F. Insulin-lowering agents in the management of polycystic ovary syndrome. *Endocr Rev.* 2003 Oct;24(5):633-67. Available from: PubMed; PMID 14570747
- De Leo V, Musacchio MC, Morgante G, Piomboni P, Petraglia F. Metformin treatment is effective in obese teenage girls with PCOS. *Hum Reprod.* 2006

- Sep;21(9):2252-6. Available from: PubMed; PMID 16785260
- De Leo V, Morgante G, Piomboni P, Musacchio MC, Petraglia F, Cianci A. Evaluation of effects of an oral contraceptive containing ethinylestradiol combined with drospirenone on adrenal steroidogenesis in hyperandrogenic women with polycystic ovary syndrome. *Fertil Steril.* 2007 Jul;88(1):113-7. Available from: PubMed; PMID 17418832
- De Leo V, Musacchio MC, Palermo V, Di Sabatino A, Morgante G, Petraglia F. Polycystic ovary syndrome and metabolic comorbidities: therapeutic options. *Drugs Today (Barc).* 2009 Oct;45(10):763-75. Available from: PubMed; PMID 20069140
- De Leo V, Di Sabatino A, Musacchio MC, Morgante G, Scolaro V, Cianci A, Petraglia F. Effect of oral contraceptives on markers of hyperandrogenism and SHBG in women with polycystic ovary syndrome. *Contraception.* 2010 Sep;82(3):276-80. Available from: PubMed; PMID 20705157
- De Leo V, Musacchio MC, Piomboni P, Di Sabatino A, Morgante G. The administration of metformin during pregnancy reduces polycystic ovary syndrome related gestational complications. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jul;157(1):63-6. Available from: PubMed; PMID 21530058
- de Paula Martins W, Santana LF, Natri CO, Feriani FA, de Sa MF, Dos Reis RM. Agreement among insulin sensitivity indexes on the diagnosis of insulin resistance in polycystic ovary syndrome and ovulatory women. *Eur J Obstet Gynecol Reprod Biol.* 2007 Aug;133(2):203-7. Available from: PubMed; PMID 17207902
- de Zegher F, Ibanez L. Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S4-5. Available from: PubMed; PMID 16798286
- de Zegher F, Ibanez L. Early Origins of polycystic ovary syndrome: hypotheses may change without notice. *J Clin Endocrinol Metab.* 2009 Oct;94(10):3682-5. Available from: PubMed; PMID 19808859
- Demirci H, Yilmaz M, Ergun MA, Yurtcu E, Bukan N, Ayyaz G. Frequency of adiponectin gene polymorphisms in polycystic ovary syndrome and the association with serum adiponectin, androgen levels, insulin resistance and clinical parameters. *Gynecol Endocrinol.* 2010 May;26(5):348-55. Available from: PubMed; PMID 20388053
- Demirturk F, Caliskan AC, Aytan H, Erkorkmaz U. Effects of ovarian drilling in middle Black Sea region Turkish women with polycystic ovary syndrome having normal and high body mass indices. *J Obstet Gynaecol Res.* 2006 Oct;32(5):507-12. Available from: PubMed; PMID 16984519
- Demissie YN, Fiad TM, Klemm K, Twfeeg A, Al-Amoudi A, Meer L, Elhadd TA. Spontaneous singleton and twin pregnancy in two patients with polycystic ovary syndrome and type 2 diabetes following treatment with metformin combined with rosiglitazone. *Ann Saudi Med.* 2006 Jul-Aug;26(4):296-9. Available from: PubMed; PMID 16883081
- Dereli D, Dereli T, Bayraktar F, Ozgen AG, Yilmaz C. Endocrine and metabolic effects of rosiglitazone in non-obese women with polycystic ovary disease. *Endocr J.* 2005 Jun;52(3):299-308. Available from: PubMed; PMID 16006724
- Dewailly D, Hieronimus S, Mirakian P, Hugues JN. Polycystic ovary syndrome (PCOS). *Ann Endocrinol (Paris).* 2010 Feb;71(1):8-13. Available from: PubMed; PMID 20096827
- Dhindsa G, Bhatia R, Dhindsa M, Bhatia V. Insulin resistance, insulin sensitization and inflammation in polycystic ovarian syndrome. *J Postgrad Med.* 2004 Apr-Jun;50(2):140-4. Available from: PubMed; PMID 15235215
- Diamanti-Kandarakis E, Kouli C, Tsianateli T, Bergiele A. Metformin and polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2000 Feb;52(2):243-6. Available from: PubMed; PMID 10671954
- Diamanti-Kandarakis E, Zapanti E. Insulin sensitizers and antiandrogens in the treatment of polycystic ovary syndrome. *Ann N Y Acad Sci.* 2000;900:203-12. Available from: PubMed; PMID 10818407
- Diamanti-Kandarakis E, Spina G, Kouli C, Migdalis I. Increased endothelin-1 levels in women with polycystic ovary syndrome and the beneficial effect of metformin therapy. *J Clin Endocrinol Metab.* 2001 Oct;86(10):4666-73. Available from: PubMed; PMID 11600523
- Diamanti-Kandarakis E, Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Nestler JE. A modern medical quandary: polycystic ovary syndrome, insulin resistance, and oral contraceptive pills. *J Clin Endocrinol Metab.* 2003 May;88(5):1927-32. Available from: PubMed; PMID 12727935
- Diamanti-Kandarakis E, Kandarakis HA. Conservative management of gynecologic diseases: insulin sensitizing agents in polycystic ovary syndrome. *Ann N Y Acad Sci.* 2003 Nov;997:322-9. Available from: PubMed; PMID 14644839
- Diamanti-Kandarakis E, Alexandraki K, Protogerou A, Piperi C, Papamichael C, Aessopos A, Lekakis J, Mavrikakis M. Metformin administration improves endothelial function in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2005 May;152(5):749-56. Available from: PubMed; PMID 15879361

- Diamanti-Kandarakis E, Piperi C. Genetics of polycystic ovary syndrome: searching for the way out of the labyrinth. *Hum Reprod Update*. 2005 Nov-Dec;11(6):631-43. Available from: PubMed; PMID 15994846
- Diamanti-Kandarakis E, Paterakis T, Alexandraki K, Piperi C, Aessopos A, Katsikis I, Katsilambros N, Kreams G, Panidis D. Indices of low-grade chronic inflammation in polycystic ovary syndrome and the beneficial effect of metformin. *Hum Reprod*. 2006 Jun;21(6):1426-31. Available from: PubMed; PMID 16497699
- Diamanti-Kandarakis E, Piperi C, Alexandraki K, Katsilambros N, Kouroupi E, Papailiou J, Lazaridis S, Koulouri E, Kandarakis HA, Douzinas EE, Creatsas G, Kalofoutis A. Short-term effect of orlistat on dietary glycotoxins in healthy women and women with polycystic ovary syndrome. *Metabolism*. 2006 Apr;55(4):494-500. Available from: PubMed; PMID 16546480
- Diamanti-Kandarakis E, Piperi C, Spina J, Argyrakopoulou G, Papanastasiou L, Bergiele A, Panidis D. Polycystic ovary syndrome: the influence of environmental and genetic factors. *Hormones (Athens)*. 2006 Jan-Mar;5(1):17-34. Available from: PubMed; PMID 16728382
- Diamanti-Kandarakis E. Role of obesity and adiposity in polycystic ovary syndrome. *Int J Obes (Lond)*. 2007 Nov;31 Suppl 2:S8-13; discussion S31-2. Available from: PubMed; PMID 17968437
- Diamanti-Kandarakis E, Christakou CD, Kandaraki E, Alexandraki KI. Early onset adiposity: a pathway to polycystic ovary syndrome in adolescents? *Hormones (Athens)*. 2007 Jul-Sep;6(3):210-7. Available from: PubMed; PMID 17724005
- Diamanti-Kandarakis E, Katsikis I, Piperi C, Alexandraki K, Panidis D. Effect of long-term orlistat treatment on serum levels of advanced glycation end-products in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Jan;66(1):103-9. Available from: PubMed; PMID 17201808
- Diamanti-Kandarakis E. Polycystic ovarian syndrome: pathophysiology, molecular aspects and clinical implications. *Expert Rev Mol Med*. 2008;10:e3. Available from: PubMed; PMID 18230193
- Diamanti-Kandarakis E, Economou FN, Livadas S, Tantalaki E, Piperi C, Papavassiliou AG, Panidis D. Hyperreninemia characterizing women with polycystic ovary syndrome improves after metformin therapy. *Kidney Blood Press Res*. 2009;32(1):24-31. Available from: PubMed; PMID 19212122
- Diamanti-Kandarakis E, Kandaraki E, Christakou C, Panidis D. The effect of pharmaceutical intervention on lipid profile in polycystic ovary syndrome. *Obes Rev*. 2009 Jul;10(4):431-41. Available from: PubMed; PMID 19413702
- Diamanti-Kandarakis E. PCOS in adolescents. *Best Pract Res Clin Obstet Gynaecol*. 2010 Apr;24(2):173-83. Available from: PubMed; PMID 19932060
- Diamanti-Kandarakis E, Christakou CD, Kandaraki E, Economou FN. Metformin: an old medication of new fashion: evolving new molecular mechanisms and clinical implications in polycystic ovary syndrome. *Eur J Endocrinol*. 2010 Feb;162(2):193-212. Available from: PubMed; PMID 19841045
- Diamanti-Kandarakis E. Reproductive endocrinology: Infertility treatment in PCOS--is metformin in from the cold? *Nat Rev Endocrinol*. 2012 Jun;8(6):328-30. Available from: PubMed; PMID 22547260
- Diamanti-Kandarakis E, Christakou C, Marinakis E. Phenotypes and environmental factors: their influence in PCOS. *Curr Pharm Des*. 2012;18(3):270-82. Available from: PubMed; PMID 22229564
- Dixon JB, O'Brien PE. Neck circumference a good predictor of raised insulin and free androgen index in obese premenopausal women: changes with weight loss. *Clin Endocrinol (Oxf)*. 2002 Dec;57(6):769-78. Available from: PubMed; PMID 12460327
- Doll I, Doll R, Buhling KJ. Diagnosis and therapy of polycystic ovarian syndrome: results of a survey among German gynecologists with a review on literature. *Arch Gynecol Obstet*. 2012 Mar;285(3):689-97. Available from: PubMed; PMID 21830009
- Dona G, Sabbadin C, Fiore C, Bragadin M, Giorgino FL, Ragazzi E, Clari G, Bordin L, Armanini D. Inositol administration reduces oxidative stress in erythrocytes of patients with polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Apr;166(4):703-10. Available from: PubMed; PMID 22223702
- Douchi T, Oki T, Yamasaki H, Nakae M, Imabayashi A, Nagata Y. Body fat patterning in polycystic ovary syndrome women as a predictor of the response to clomiphene. *Acta Obstet Gynecol Scand*. 2004 Sep;83(9):838-41. Available from: PubMed; PMID 15315595
- Douglas CC, Gower BA, Darnell BE, Ovalle F, Oster RA, Azziz R. Role of diet in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2006 Mar;85(3):679-88. Available from: PubMed; PMID 16500338
- Douglas CC, Norris LE, Oster RA, Darnell BE, Azziz R, Gower BA. Difference in dietary intake between women with polycystic ovary syndrome and healthy controls. *Fertil Steril*. 2006 Aug;86(2):411-7. Available from: PubMed; PMID 16762348
- Driscoll DA. Polycystic ovary syndrome in adolescence. *Ann N Y Acad Sci*. 2003 Nov;997:49-55. Available from: PubMed; PMID 14644809

- Driscoll DA. Polycystic ovary syndrome in adolescence. *Semin Reprod Med.* 2003 Aug;21(3):301-7. Available from: PubMed; PMID 14593553
- Dronavalli S, Ehrmann DA. Pharmacologic therapy of polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):244-54. Available from: PubMed; PMID 17304039
- Du Q, Wang YJ, Yang S, Wu B, Han P, Zhao YY. A systematic review and meta-analysis of randomized controlled trials comparing pioglitazone versus metformin in the treatment of polycystic ovary syndrome. *Curr Med Res Opin.* 2012 May;28(5):723-30. Available from: PubMed; PMID 22462531
- Duleba AJ, Banaszewska B, Spaczynski RZ, Pawelczyk L. Success of laparoscopic ovarian wedge resection is related to obesity, lipid profile, and insulin levels. *Fertil Steril.* 2003 Apr;79(4):1008-14. Available from: PubMed; PMID 12749446
- Duleba AJ. Medical management of metabolic dysfunction in PCOS. *Steroids.* 2012 Mar 10;77(4):306-11. Available from: PubMed; PMID 22182833
- Dunaif A, Thomas A. Current concepts in the polycystic ovary syndrome. *Annu Rev Med.* 2001;52:401-19. Available from: PubMed; PMID 11160786
- Dunaif A, Lobo RA. Toward optimal health: the experts discuss polycystic ovary syndrome. *J Womens Health Gen Based Med.* 2002 Sep;11(7):579-84. Available from: PubMed; PMID 12396891
- Dunaif A. Drug insight: insulin-sensitizing drugs in the treatment of polycystic ovary syndrome--a reappraisal. *Nat Clin Pract Endocrinol Metab.* 2008 May;4(5):272-83. Available from: PubMed; PMID 18364705
- Duranteau L, Lefevre P, Jeandidier N, Simon T, Christin-Maitre S. Should physicians prescribe metformin to women with polycystic ovary syndrome PCOS? *Ann Endocrinol (Paris).* 2010 Feb;71(1):25-7. Available from: PubMed; PMID 20079483
- Eagleson CA, Bellows AB, Hu K, Gingrich MB, Marshall JC. Obese patients with polycystic ovary syndrome: evidence that metformin does not restore sensitivity of the gonadotropin-releasing hormone pulse generator to inhibition by ovarian steroids. *J Clin Endocrinol Metab.* 2003 Nov;88(11):5158-62. Available from: PubMed; PMID 14602743
- Economou F, Xyrafis X, Christakou C, Diamanti-Kandaraki E. The pluripotential effects of hypolipidemic treatment for polycystic ovary syndrome (PCOS): dyslipidemia, cardiovascular risk factors and beyond. *Curr Pharm Des.* 2011;17(9):908-21. Available from: PubMed; PMID 21418035
- Egbase PE, Al-Sharhan M, Grudzinskas JG. 'Early coasting' in patients with polycystic ovarian syndrome is consistent with good clinical outcome. *Hum Reprod.* 2002 May;17(5):1212-6. Available from: PubMed; PMID 11980740
- Ehrmann DA. Glucose intolerance in the polycystic ovary syndrome: role of the pancreatic beta-cell. *J Pediatr Endocrinol Metab.* 2000;13 Suppl 5:1299-301. Available from: PubMed; PMID 11117674
- Ehrmann DA, Schwarz PE, Hara M, Tang X, Horikawa Y, Imperial J, Bell GI, Cox NJ. Relationship of calpain-10 genotype to phenotypic features of polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Apr;87(4):1669-73. Available from: PubMed; PMID 11932299
- Ehrmann DA, Rychlik D. Pharmacologic treatment of polycystic ovary syndrome. *Semin Reprod Med.* 2003 Aug;21(3):277-83. Available from: PubMed; PMID 14593550
- Ehrmann DA. Genetic contributions to glucose intolerance in polycystic ovary syndrome. *Reprod Biomed Online.* 2004 Jul;9(1):28-34. Available from: PubMed; PMID 15257813
- Ehrmann DA. Polycystic ovary syndrome. *N Engl J Med.* 2005 Mar 24;352(12):1223-36. Available from: PubMed; PMID 15788499
- Eid GM, Cottam DR, Velcu LM, Mattar SG, Korytkowski MT, Gosman G, Hindi P, Schauer PR. Effective treatment of polycystic ovarian syndrome with Roux-en-Y gastric bypass. *Surg Obes Relat Dis.* 2005 Mar-Apr;1(2):77-80. Available from: PubMed; PMID 16925218
- Eldar-Geva T, Spitz IM, Groome NP, Margalioth EJ, Homburg R. Follistatin and activin A serum concentrations in obese and non-obese patients with polycystic ovary syndrome. *Hum Reprod.* 2001 Dec;16(12):2552-6. Available from: PubMed; PMID 11726573
- Eldar-Geva T, Margalioth EJ, Gal M, Ben-Chetrit A, Algur N, Zylber-Haran E, Brooks B, Huerta M, Spitz IM. Serum anti-Mullerian hormone levels during controlled ovarian hyperstimulation in women with polycystic ovaries with and without hyperandrogenism. *Hum Reprod.* 2005 Jul;20(7):1814-9. Available from: PubMed; PMID 15802320
- Eleftheriadou M, Michala L, Stefanidis K, Iliadis I, Lykeridou A, Antsaklis A. Exercise and sedentary habits among adolescents with PCOS. *J Pediatr Adolesc Gynecol.* 2012 Jun;25(3):172-4. Available from: PubMed; PMID 22260889
- Elghblawi E. Polycystic ovary syndrome and female reproduction. *Br J Nurs.* 2007 Oct 11-24;16(18):1118-21. Available from: PubMed; PMID 18073681

- Elhadd TA, Fiad T, Meer L. Ovarian stockpiling in polycystic ovary syndrome, infertility, and the combined use of rosiglitazone and metformin. *Diabetes Care*. 2006 Oct;29(10):2330-1. Available from: PubMed; PMID 17003323
- El-Halawaty S, Rizk A, Kamal M, Aboulhassan M, Al-Sawah H, Noah O, Al-Inany H. Clinical significance of serum concentration of anti-Mullerian hormone in obese women with polycystic ovary syndrome. *Reprod Biomed Online*. 2007 Nov;15(5):495-9. Available from: PubMed; PMID 18028738
- Elia EM, Belgorosky D, Faut M, Vighi S, Pustovrh C, Luigi D, Motta AB. The effects of metformin on uterine tissue of hyperandrogenized BALB/c mice. *Mol Hum Reprod*. 2009 Jul;15(7):421-32. Available from: PubMed; PMID 19482906
- El-Khayat HA, Abd El-Basset FZ, Tomoum HY, Tohamy SM, Zaky AA, Mohamed MS, Hakky SM, El Barbary NS, Nassef NM. Physical growth and endocrinal disorders during pubertal maturation in girls with epilepsy. *Epilepsia*. 2004 Sep;45(9):1106-15. Available from: PubMed; PMID 15329076
- Elkind-Hirsch KE, Webster BW, Brown CP, Vernon MW. Concurrent ganirelix and follitropin beta therapy is an effective and safe regimen for ovulation induction in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Mar;79(3):603-7. Available from: PubMed; PMID 12620447
- Elkind-Hirsch KE. Thiazolidinediones for the therapeutic management of polycystic ovary syndrome : impact on metabolic and reproductive abnormalities. *Treat Endocrinol*. 2006;5(3):171-87. Available from: PubMed; PMID 16677059
- Elkind-Hirsch K, Marrioneaux O, Bhushan M, Vernor D, Bhushan R. Comparison of single and combined treatment with xenatide and metformin on menstrual cyclicity in overweight women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Jul;93(7):2670-8. Available from: PubMed; PMID 18460557
- Elliott JL, Hosford SL, Demopoulos RI, Perloe M, Sills ES. Endometrial adenocarcinoma and polycystic ovary syndrome: risk factors, management, and prognosis. *South Med J*. 2001 May;94(5):529-31. Available from: PubMed; PMID 11372809
- Elter K, Imir G, Durmusoglu F. Clinical, endocrine and metabolic effects of metformin added to ethinyl estradiol-cyproterone acetate in non-obese women with polycystic ovarian syndrome: a randomized controlled study. *Hum Reprod*. 2002 Jul;17(7):1729-37. Available from: PubMed; PMID 12093831
- Engin-Ustun Y, Ustun Y, Meydanli MM, Kafkasli A, Yetkin G. Are polycystic ovaries associated with cardiovascular disease risk as polycystic ovary syndrome? *Gynecol Endocrinol*. 2006 Jun;22(6):324-8. Available from: PubMed; PMID 16785157
- Eriksen M, Porneki AD, Skov V, Burns JS, Beck-Nielsen H, Glintborg D, Gaster M. Insulin resistance is not conserved in myotubes established from women with PCOS. *PLoS One*. 2010;5(12):e14469. Available from: PubMed; PMID 21209881
- Ertunc D, Tok EC, Aktas A, Erdal EM, Dilek S. The importance of IRS-1 Gly972Arg polymorphism in evaluating the response to metformin treatment in polycystic ovary syndrome. *Hum Reprod*. 2005 May;20(5):1207-12. Available from: PubMed; PMID 15665022
- Escobar-Morreale HF. Macroprolactinemia in women presenting with hyperandrogenic symptoms: Implications for the management of polycystic ovary syndrome. *Fertil Steril*. 2004 Dec;82(6):1697-9. Available from: PubMed; PMID 15589886
- Escobar-Morreale HF, Botella-Carretero JI, Alvarez-Blasco F, Sancho J, San Millan JL. The polycystic ovary syndrome associated with morbid obesity may resolve after weight loss induced by bariatric surgery. *J Clin Endocrinol Metab*. 2005 Dec;90(12):6364-9. Available from: PubMed; PMID 16189250
- Escobar-Morreale HF. Polycystic ovary syndrome: treatment strategies and management. *Expert Opin Pharmacother*. 2008 Dec;9(17):2995-3008. Available from: PubMed; PMID 19013863
- Escobar-Morreale HF. Surgical management of metabolic dysfunction in PCOS. *Steroids*. 2012 Mar 10;77(4):312-6. Available from: PubMed; PMID 22172592
- Escobar-Morreale HF, Carmina E, Dewailly D, Gambineri A, Kelestimur F, Moghetti P, Pugeat M, Qiao J, Wijeyaratne CN, Witchel SF, Norman RJ. Epidemiology, diagnosis and management of hirsutism: a consensus statement by the Androgen Excess and Polycystic Ovary Syndrome Society. *Hum Reprod Update*. 2012 Mar-Apr;18(2):146-70. Available from: PubMed; PMID 22064667
- Essah PA, Apridonidze T, Iuorno MJ, Nestler JE. Effects of short-term and long-term metformin treatment on menstrual cyclicity in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86(1):230-2. Available from: PubMed; PMID 16716324
- Essah PA, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *J Endocrinol Invest*. 2006 Mar;29(3):270-80. Available from: PubMed; PMID 16682845
- Essah PA, Wickham EP, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):205-25. Available from: PubMed; PMID 17304037

Essah PA, Arrowood JA, Cheang KI, Adawadkar SS, Stovall DW, Nestler JE. Effect of combined metformin and oral contraceptive therapy on metabolic factors and endothelial function in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2011 Aug;96(2):501-4 e2. Available from: PubMed; PMID 21733508

Farah-Eways L, Reyna R, Knochenhauer ES, Bartolucci AA, Azziz R. Glucose action and adrenocortical biosynthesis in women with polycystic ovary syndrome. *Fertil Steril*. 2004 Jan;81(1):120-5. Available from: PubMed; PMID 14711554

Farrell K, Antoni MH. Insulin resistance, obesity, inflammation, and depression in polycystic ovary syndrome: biobehavioral mechanisms and interventions. *Fertil Steril*. 2010 Oct;94(5):1565-74. Available from: PubMed; PMID 20471009

Farshchi H, Rane A, Love A, Kennedy RL. Diet and nutrition in polycystic ovary syndrome (PCOS): pointers for nutritional management. *J Obstet Gynaecol*. 2007 Nov;27(8):762-73. Available from: PubMed; PMID 18097891

Faulds G, Ryden M, Ek I, Wahrenberg H, Arner P. Mechanisms behind lipolytic catecholamine resistance of subcutaneous fat cells in the polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2003 May;88(5):2269-73. Available from: PubMed; PMID 12727985

Fedorcsak P, Storeng R, Dale PO, Tanbo T, Abyholm T. Impaired insulin action on granulosa-lutein cells in women with polycystic ovary syndrome and insulin resistance. *Gynecol Endocrinol*. 2000 Oct;14(5):327-36. Available from: PubMed; PMID 11109972

Fedorcsak P, Storeng R, Dale PO, Tanbo T, Torjesen P, Urbancsek J, Abyholm T. Leptin and leptin binding activity in the preovulatory follicle of polycystic ovary syndrome patients. *Scand J Clin Lab Invest*. 2000 Dec;60(8):649-55. Available from: PubMed; PMID 11218147

Fedorcsak P, Dale PO, Storeng R, Tanbo T, Abyholm T. The impact of obesity and insulin resistance on the outcome of IVF or ICSI in women with polycystic ovarian syndrome. *Hum Reprod*. 2001 Jun;16(6):1086-91. Available from: PubMed; PMID 11387273

Fedorcsak P, Dale PO, Storeng R, Abyholm T, Tanbo T. The effect of metformin on ovarian stimulation and in vitro fertilization in insulin-resistant women with polycystic ovary syndrome: an open-label randomized cross-over trial. *Gynecol Endocrinol*. 2003 Jun;17(3):207-14. Available from: PubMed; PMID 12857428

Fegan PG, Sandeman DD, Krone N, Bosman D, Wood PJ, Stewart PM, Hanley NA. Cushing's syndrome in women with polycystic ovaries and hyperandrogenism. *Nat Clin*

*Pract Endocrinol Metab*. 2007 Nov;3(11):778-83. Available from: PubMed; PMID 17955019

Femiano F, Rullo R, Serpico R, Lanza A, Festa VM, Laino G. An unusual case of oral hirsutism in a patient with polycystic ovarian syndrome. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*. 2009 Dec;108(6):e13-6. Available from: PubMed; PMID 19913714

Fica S, Albu A, Constantin M, Dobri GA. Insulin resistance and fertility in polycystic ovary syndrome. *J Med Life*. 2008 Oct-Dec;1(4):415-22. Available from: PubMed; PMID 20108521

Finsterer J, Kuntscher D, Brunner S, Krugluger W. Pseudotumor cerebri from sinus venous thrombosis, associated with polycystic ovary syndrome and hereditary hypercoagulability. *Gynecol Endocrinol*. 2007 Mar;23(3):179-82. Available from: PubMed; PMID 17454173

Firouzabadi R, Aflatoonian A, Modarresi S, Sekhavat L, MohammadTaheri S. Therapeutic effects of calcium & vitamin D supplementation in women with PCOS. *Complement Ther Clin Pract*. 2012 May;18(2):85-8. Available from: PubMed; PMID 22500844

Fisken RA. Metformin in polycystic ovary syndrome. *N Engl J Med*. 2008 Apr 24;358(17):1866-7; author reply 8. Available from: PubMed; PMID 18437727

Fleischman A, Mansfield J. Diagnosis and treatment of polycystic ovarian syndrome and insulin resistance. *Pediatr Ann*. 2005 Sep;34(9):733-8, 41-2. Available from: PubMed; PMID 16222950

Fleming R, Harborne L, MacLaughlin DT, Ling D, Norman J, Sattar N, Seifer DB. Metformin reduces serum mullerian-inhibiting substance levels in women with polycystic ovary syndrome after protracted treatment. *Fertil Steril*. 2005 Jan;83(1):130-6. Available from: PubMed; PMID 15652898

Fleming R. The use of insulin sensitising agents in ovulation induction in women with polycystic ovary syndrome. *Hormones (Athens)*. 2006 Jul-Sep;5(3):171-8. Available from: PubMed; PMID 16950750

Florakis D, Diamanti-Kandarakis E, Katsikis I, Nassiss GP, Karkanaki A, Georgopoulos N, Panidis D. Effect of hypocaloric diet plus sibutramine treatment on hormonal and metabolic features in overweight and obese women with polycystic ovary syndrome: a randomized, 24-week study. *Int J Obes (Lond)*. 2008 Apr;32(4):692-9. Available from: PubMed; PMID 18071341

Foong SC, Abbott DH, Zschunke MA, Lesnick TG, Phy JL, Dumesic DA. Follicle luteinization in hyperandrogenic follicles of polycystic ovary syndrome patients undergoing gonadotropin therapy for in vitro fertilization. *J Clin Endocrinol Metab*. 2006 Jun;91(6):2327-33. Available from: PubMed; PMID 16551732



Forsdike RA, Hardy K, Bull L, Stark J, Webber LJ, Stubbs S, Robinson JE, Franks S. Disordered follicle development in ovaries of prenatally androgenized ewes. *J Endocrinol*. 2007 Feb;192(2):421-8. Available from: PubMed; PMID 17283242

Fougner KJ, Vanky E, Carlsen SM. Metformin has no major effects on glucose homeostasis in pregnant women with PCOS: results of a randomized double-blind study. *Scand J Clin Lab Invest*. 2008;68(8):771-6. Available from: PubMed; PMID 18651320

Franks S, Roberts R, Hardy K. Gonadotrophin regimens and oocyte quality in women with polycystic ovaries. *Reprod Biomed Online*. 2003 Mar;6(2):181-4. Available from: PubMed; PMID 12675997

Franks S. Do animal models of polycystic ovary syndrome help to understand its pathogenesis and management? Yes, but their limitations should be recognized. *Endocrinology*. 2009 Sep;150(9):3983-5. Available from: PubMed; PMID 19700609

Franks S. When should an insulin sensitizing agent be used in the treatment of polycystic ovary syndrome? *Clin Endocrinol (Oxf)*. 2011 Feb;74(2):148-51. Available from: PubMed; PMID 21121941

Fraser IS, Kovacs G. Current recommendations for the diagnostic evaluation and follow-up of patients presenting with symptomatic polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):813-23. Available from: PubMed; PMID 15380149

Freeman R, Pollack R, Rosenbloom E. Assessing impaired glucose tolerance and insulin resistance in polycystic ovarian syndrome with a muffin test: an alternative to the glucose tolerance test. *Endocr Pract*. 2010 Sep-Oct;16(5):810-7. Available from: PubMed; PMID 20439247

Freemark M. Management of adolescents with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3354-6. Available from: PubMed; PMID 22058379

Fruzzetti F, Bersi C, Parrini D, Ricci C, Genazzani AR. Effect of long-term naltrexone treatment on endocrine profile, clinical features, and insulin sensitivity in obese women with polycystic ovary syndrome. *Fertil Steril*. 2002 May;77(5):936-44. Available from: PubMed; PMID 12009347

Fruzzetti F, Perini D, Lazzarini V, Parrini D, Gambacciani M, Genazzani AR. Comparison of effects of 3 mg drospirenone plus 20 mug ethinyl estradiol alone or combined with metformin or cyproterone acetate on classic metabolic cardiovascular risk factors in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Oct;94(5):1793-8. Available from: PubMed; PMID 19931080

Fulghesu AM, Ciampelli M, Belosi C, Apa R, Guido M, Caruso A, Mancuso S, Lanzone A. Naltrexone effect on pulsatile GnRH therapy for ovulation induction in polycystic ovary syndrome: a pilot prospective study. *J Endocrinol Invest*. 2001 Jul-Aug;24(7):483-90. Available from: PubMed; PMID 11508781

Fulghesu AM, Ciampelli M, Muzj G, Belosi C, Selvaggi L, Ayala GF, Lanzone A. N-acetyl-cysteine treatment improves insulin sensitivity in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Jun;77(6):1128-35. Available from: PubMed; PMID 12057717

Futterweit W. Polycystic ovary syndrome: a common reproductive and metabolic disorder necessitating early recognition and treatment. *Prim Care*. 2007 Dec;34(4):761-89, vi. Available from: PubMed; PMID 18061817

Galazis N, Galazi M, Atiomo W. D-Chiro-inositol and its significance in polycystic ovary syndrome: a systematic review. *Gynecol Endocrinol*. 2011 Apr;27(4):256-62. Available from: PubMed; PMID 21142777

Galletly C, Moran L, Noakes M, Clifton P, Tomlinson L, Norman R. Psychological benefits of a high-protein, low-carbohydrate diet in obese women with polycystic ovary syndrome--a pilot study. *Appetite*. 2007 Nov;49(3):590-3. Available from: PubMed; PMID 17509728

Galluzzo A, Amato MC, Giordano C. Insulin resistance and polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis*. 2008 Sep;18(7):511-8. Available from: PubMed; PMID 18657405

Gambineri A, Pelusi C, Vicennati V, Pagotto U, Pasquali R. Obesity and the polycystic ovary syndrome. *Int J Obes Relat Metab Disord*. 2002 Jul;26(7):883-96. Available from: PubMed; PMID 12080440

Gambineri A, Pagotto U, Tschop M, Vicennati V, Manicardi E, Carcello A, Cacciari M, De Iasio R, Pasquali R. Anti-androgen treatment increases circulating ghrelin levels in obese women with polycystic ovary syndrome. *J Endocrinol Invest*. 2003 Jul;26(7):629-34. Available from: PubMed; PMID 14594113

Gambineri A, Pelusi C, Genghini S, Morselli-Labate AM, Cacciari M, Pagotto U, Pasquali R. Effect of flutamide and metformin administered alone or in combination in dieting obese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2004 Feb;60(2):241-9. Available from: PubMed; PMID 14725687

Gambineri A, Patton L, De Iasio R, Cantelli B, Cognini GE, Filicori M, Barreca A, Diamanti-Kandarakis E, Pagotto U, Pasquali R. Efficacy of octreotide-LAR in dieting women with abdominal obesity and polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Jul;90(7):3854-62. Available from: PubMed; PMID 15827099

- Gambineri A, Patton L, Vaccina A, Cacciari M, Morselli-Labate AM, Cavazza C, Pagotto U, Pasquali R. Treatment with flutamide, metformin, and their combination added to a hypocaloric diet in overweight-obese women with polycystic ovary syndrome: a randomized, 12-month, placebo-controlled study. *J Clin Endocrinol Metab.* 2006 Oct;91(10):3970-80. Available from: PubMed; PMID 16868063
- Gambineri A, Semple RK, Forlani G, Genghini S, Grassi I, Hyden CS, Pagotto U, O'Rahilly S, Pasquali R. Monogenic polycystic ovary syndrome due to a mutation in the lamin A/C gene is sensitive to thiazolidinediones but not to metformin. *Eur J Endocrinol.* 2008 Sep;159(3):347-53. Available from: PubMed; PMID 18728124
- Gambineri A, Tomassoni F, Gasparini DI, Di Rocco A, Mantovani V, Pagotto U, Altieri P, Sanna S, Fulghesu AM, Pasquali R. Organic cation transporter 1 polymorphisms predict the metabolic response to metformin in women with the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2010 Oct;95(10):E204-8. Available from: PubMed; PMID 20660041
- Gangale MF, Miele L, Lanzone A, Sagnella F, Martinez D, Tropea A, Moro F, Morciano A, Ciardulli A, Palla C, Pompili M, Cefalo C, Grieco A, Apa R. Long-term metformin treatment is able to reduce the prevalence of metabolic syndrome and its hepatic involvement in young hyperinsulinaemic overweight patients with polycystic ovarian syndrome. *Clin Endocrinol (Oxf).* 2011 Oct;75(4):520-7. Available from: PubMed; PMID 21569072
- Garmes HM, Tambascia MA, Zantut-Wittmann DE. Endocrine-metabolic effects of the treatment with pioglitazone in obese patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2005 Dec;21(6):317-23. Available from: PubMed; PMID 16390779
- Garruti G, Depalo R, Vita MG, Lorusso F, Giampetruzzi F, Damato AB, Giorgino F. Adipose tissue, metabolic syndrome and polycystic ovary syndrome: from pathophysiology to treatment. *Reprod Biomed Online.* 2009 Oct;19(4):552-63. Available from: PubMed; PMID 19909598
- Geisthovel F, Rabe T. The ESHRE/ASRM consensus on polycystic ovary syndrome (PCOS)--an extended critical analysis. *Reprod Biomed Online.* 2007 Apr;14(4):522-35. Available from: PubMed; PMID 17425838
- Genazzani AD, Battaglia C, Malavasi B, Strucchi C, Tortolani F, Gamba O. Metformin administration modulates and restores luteinizing hormone spontaneous episodic secretion and ovarian function in nonobese patients with polycystic ovary syndrome. *Fertil Steril.* 2004 Jan;81(1):114-9. Available from: PubMed; PMID 14711553
- Genazzani AD, Strucchi C, Luisi M, Casarosa E, Lanzoni C, Baraldi E, Ricchieri F, Mehmeti H, Genazzani AR. Metformin administration modulates neurosteroids secretion in non-obese amenorrhoeic patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2006 Jan;22(1):36-43. Available from: PubMed; PMID 16522532
- Genazzani AD, Lanzoni C, Ricchieri F, Baraldi E, Casarosa E, Jasonni VM. Metformin administration is more effective when non-obese patients with polycystic ovary syndrome show both hyperandrogenism and hyperinsulinemia. *Gynecol Endocrinol.* 2007 Mar;23(3):146-52. Available from: PubMed; PMID 17454168
- Genazzani AD, Lanzoni C, Ricchieri F, Jasonni VM. Myo-inositol administration positively affects hyperinsulinemia and hormonal parameters in overweight patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2008 Mar;24(3):139-44. Available from: PubMed; PMID 18335328
- Genazzani AD, Chierchia E, Rattighieri E, Santagni S, Casarosa E, Luisi M, Genazzani AR. Metformin administration restores allopregnanolone response to adrenocorticotrophic hormone (ACTH) stimulation in overweight hyperinsulinemic patients with PCOS. *Gynecol Endocrinol.* 2010 Sep;26(9):684-9. Available from: PubMed; PMID 20624011
- Genazzani AD, Ricchieri F, Lanzoni C. Use of metformin in the treatment of polycystic ovary syndrome. *Womens Health (Lond Engl).* 2010 Jul;6(4):577-93. Available from: PubMed; PMID 20597621
- Genton P, Bauer J, Duncan S, Taylor AE, Balen AH, Eberle A, Pedersen B, Salas-Puig X, Sauer MV. On the association between valproate and polycystic ovary syndrome. *Epilepsia.* 2001 Mar;42(3):295-304. Available from: PubMed; PMID 11442143
- Georgopoulos NA, Katsikis I, Florakis D, Panidis D, Kandarakis ED. Effect of sibutramine on weight reduction and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Jun;91(6):e1. Available from: PubMed; PMID 19362719
- Gerli S, Mignosa M, Di Renzo GC. Effects of inositol on ovarian function and metabolic factors in women with PCOS: a randomized double blind placebo-controlled trial. *Eur Rev Med Pharmacol Sci.* 2003 Nov-Dec;7(6):151-9. Available from: PubMed; PMID 15206484
- Gerli S, Papaleo E, Ferrari A, Di Renzo GC. Randomized, double blind placebo-controlled trial: effects of myo-inositol on ovarian function and metabolic factors in women with PCOS. *Eur Rev Med Pharmacol Sci.* 2007 Sep-Oct;11(5):347-54. Available from: PubMed; PMID 18074942
- Ghandi S, Aflatoonian A, Tabibnejad N, Moghaddam MH. The effects of metformin or orlistat on obese women with polycystic ovary syndrome: a prospective randomized

- open-label study. *J Assist Reprod Genet.* 2011 Jul;28(7):591-6. Available from: PubMed; PMID 21484319
- Ghazeeri G, Kutteh WH, Bryer-Ash M, Haas D, Ke RW. Effect of rosiglitazone on spontaneous and clomiphene citrate-induced ovulation in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Mar;79(3):562-6. Available from: PubMed; PMID 12620440
- Ghazeeri GS, Nassar AH, Younes Z, Awwad JT. Pregnancy outcomes and the effect of metformin treatment in women with polycystic ovary syndrome: an overview. *Acta Obstet Gynecol Scand.* 2012 Jun;91(6):658-78. Available from: PubMed; PMID 22375613
- Ghobadi C, Mirhosseini N, Shiran MR, Moghadamnia A, Lennard MS, Ledger WL, Rostami-Hodjegan A. Single-dose pharmacokinetic study of clomiphene citrate isomers in anovular patients with polycystic ovary disease. *J Clin Pharmacol.* 2009 Feb;49(2):147-54. Available from: PubMed; PMID 19033451
- Giallauria F, Orio F, Palomba S, Lombardi G, Colao A, Vigorito C. Cardiovascular risk in women with polycystic ovary syndrome. *J Cardiovasc Med (Hagerstown).* 2008 Oct;9(10):987-92. Available from: PubMed; PMID 18799960
- Giallauria F, Palomba S, Vigorito C, Tafuri MG, Colao A, Lombardi G, Orio F. Androgens in polycystic ovary syndrome: the role of exercise and diet. *Semin Reprod Med.* 2009 Jul;27(4):306-15. Available from: PubMed; PMID 19530064
- Gillett MJ, Burnett JR, Yeap D. Clomiphene-associated combined hyperlipidemia: a case report. *J Reprod Med.* 2006 Jul;51(7):587-90. Available from: PubMed; PMID 16913553
- Glintborg D, Stoving RK, Hagen C, Hermann AP, Frystyk J, Veldhuis JD, Flyvbjerg A, Andersen M. Pioglitazone treatment increases spontaneous growth hormone (GH) secretion and stimulated GH levels in polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Oct;90(10):5605-12. Available from: PubMed; PMID 16076946
- Glintborg D, Hermann AP, Andersen M, Hagen C, Beck-Nielsen H, Veldhuis JD, Henriksen JE. Effect of pioglitazone on glucose metabolism and luteinizing hormone secretion in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Aug;86(2):385-97. Available from: PubMed; PMID 16782094
- Glintborg D, Andersen M, Hagen C, Heickendorff L, Hermann AP. Association of pioglitazone treatment with decreased bone mineral density in obese premenopausal patients with polycystic ovary syndrome: a randomized, placebo-controlled trial. *J Clin Endocrinol Metab.* 2008 May;93(5):1696-701. Available from: PubMed; PMID 18285411
- Glintborg D, Frystyk J, Hojlund K, Andersen KK, Henriksen JE, Hermann AP, Hagen C, Flyvbjerg A, Andersen M. Total and high molecular weight (HMW) adiponectin levels and measures of glucose and lipid metabolism following pioglitazone treatment in a randomized placebo-controlled study in polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2008 Feb;68(2):165-74. Available from: PubMed; PMID 17803698
- Glintborg D, Hojlund K, Andersen M, Henriksen JE, Beck-Nielsen H, Handberg A. Soluble CD36 and risk markers of insulin resistance and atherosclerosis are elevated in polycystic ovary syndrome and significantly reduced during pioglitazone treatment. *Diabetes Care.* 2008 Feb;31(2):328-34. Available from: PubMed; PMID 18000176
- Glintborg D, Hojlund K, Andersen NR, Hansen BF, Beck-Nielsen H, Wojtaszewski JF. Impaired insulin activation and dephosphorylation of glycogen synthase in skeletal muscle of women with polycystic ovary syndrome is reversed by pioglitazone treatment. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3618-26. Available from: PubMed; PMID 18544618
- Glintborg D, Andersen M, Richelsen B, Bruun JM. Plasma monocyte chemoattractant protein-1 (MCP-1) and macrophage inflammatory protein-1alpha are increased in patients with polycystic ovary syndrome (PCOS) and associated with adiposity, but unaffected by pioglitazone treatment. *Clin Endocrinol (Oxf).* 2009 Nov;71(5):652-8. Available from: PubMed; PMID 19170716
- Glintborg D, Hermann AP, Hagen C, Jensen LT, Frystyk J, Bennett P, Flyvbjerg A, Andersen M. A randomized placebo-controlled study on the effects of pioglitazone on cortisol metabolism in polycystic ovary syndrome. *Fertil Steril.* 2009 Mar;91(3):842-50. Available from: PubMed; PMID 18402944
- Glintborg D, Andersen M. Thiazolidinedione treatment in PCOS--an update. *Gynecol Endocrinol.* 2010 Nov;26(11):791-803. Available from: PubMed; PMID 20528570
- Glueck CJ, Wang P, Fontaine R, Tracy T, Sieve-Smith L. Metformin to restore normal menses in oligo-amenorrheic teenage girls with polycystic ovary syndrome (PCOS). *J Adolesc Health.* 2001 Sep;29(3):160-9. Available from: PubMed; PMID 11524214
- Glueck CJ, Streicher P, Wang P. Treatment of polycystic ovary syndrome with insulin-lowering agents. *Expert Opin Pharmacother.* 2002 Aug;3(8):1177-89. Available from: PubMed; PMID 12150695
- Glueck CJ, Wang P, Kobayashi S, Phillips H, Sieve-Smith L. Metformin therapy throughout pregnancy reduces the development of gestational diabetes in women with polycystic ovary syndrome. *Fertil Steril.* 2002 Mar;77(3):520-5. Available from: PubMed; PMID 11872206

Glueck CJ, Moreira A, Goldenberg N, Sieve L, Wang P. Pioglitazone and metformin in obese women with polycystic ovary syndrome not optimally responsive to metformin. *Hum Reprod.* 2003 Aug;18(8):1618-25. Available from: PubMed; PMID 12871871

Glueck CJ, Papanra R, Wang P, Goldenberg N, Sieve-Smith L. Incidence and treatment of metabolic syndrome in newly referred women with confirmed polycystic ovarian syndrome. *Metabolism.* 2003 Jul;52(7):908-15. Available from: PubMed; PMID 12870169

Glueck CJ, Bornovali S, Prankoff J, Goldenberg N, Dharashivkar S, Wang P. Metformin, pre-eclampsia, and pregnancy outcomes in women with polycystic ovary syndrome. *Diabet Med.* 2004 Aug;21(8):829-36. Available from: PubMed; PMID 15270785

Glueck CJ, Goldenberg N, Prankoff J, Loftsring M, Sieve L, Wang P. Height, weight, and motor-social development during the first 18 months of life in 126 infants born to 109 mothers with polycystic ovary syndrome who conceived on and continued metformin through pregnancy. *Hum Reprod.* 2004 Jun;19(6):1323-30. Available from: PubMed; PMID 15117896

Glueck CJ, Goldenberg N, Wang P, Loftsring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. *Hum Reprod.* 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944

Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. *MedGenMed.* 2005;7(4):41. Available from: PubMed; PMID 16614663

Glueck CJ, Aregawi D, Agloria M, Winiarska M, Sieve L, Wang P. Sustainability of 8% weight loss, reduction of insulin resistance, and amelioration of atherogenic-metabolic risk factors over 4 years by metformin-diet in women with polycystic ovary syndrome. *Metabolism.* 2006 Dec;55(12):1582-9. Available from: PubMed; PMID 17142128

Glueck CJ, Aregawi D, Winiarska M, Agloria M, Luo G, Sieve L, Wang P. Metformin-diet ameliorates coronary heart disease risk factors and facilitates resumption of regular menses in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2006 Jun;19(6):831-42. Available from: PubMed; PMID 16886591

Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Changes in weight, papilledema, headache, visual field, and life status in response to diet and

metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. *Transl Res.* 2006 Nov;148(5):215-22. Available from: PubMed; PMID 17145568

Glueck CJ, Sieve L, Zhu B, Wang P. Plasminogen activator inhibitor activity, 4G5G polymorphism of the plasminogen activator inhibitor 1 gene, and first-trimester miscarriage in women with polycystic ovary syndrome. *Metabolism.* 2006 Mar;55(3):345-52. Available from: PubMed; PMID 16483878

Glueck CJ, Goldenberg N, Sieve L, Wang P. An observational study of reduction of insulin resistance and prevention of development of type 2 diabetes mellitus in women with polycystic ovary syndrome treated with metformin and diet. *Metabolism.* 2008 Jul;57(7):954-60. Available from: PubMed; PMID 18555837

Glueck CJ, Prankoff J, Aregawi D, Wang P. Prevention of gestational diabetes by metformin plus diet in patients with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):625-34. Available from: PubMed; PMID 17678910

Goldenberg N, Glueck CJ, Loftsring M, Sherman A, Wang P. Metformin-diet benefits in women with polycystic ovary syndrome in the bottom and top quintiles for insulin resistance. *Metabolism.* 2005 Jan;54(1):113-21. Available from: PubMed; PMID 15562389

Goldenberg N, Glueck C. Medical therapy in women with polycystic ovarian syndrome before and during pregnancy and lactation. *Minerva Ginecol.* 2008 Feb;60(1):63-75. Available from: PubMed; PMID 18277353

Gomel V, Yarali H. Surgical treatment of polycystic ovary syndrome associated with infertility. *Reprod Biomed Online.* 2004 Jul;9(1):35-42. Available from: PubMed; PMID 15257815

Gonzalez F, Minium J, Rote NS, Kirwan JP. Hyperglycemia alters tumor necrosis factor-alpha release from mononuclear cells in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Sep;90(9):5336-42. Available from: PubMed; PMID 15985479

Gonzalez F, Rote NS, Minium J, Weaver AL, Kirwan JP. Elevated circulating levels of macrophage migration inhibitory factor in polycystic ovary syndrome. *Cytokine.* 2010 Sep;51(3):240-4. Available from: PubMed; PMID 20598902

Gonzalez F. Inflammation in Polycystic Ovary Syndrome: underpinning of insulin resistance and ovarian dysfunction. *Steroids.* 2012 Mar 10;77(4):300-5. Available from: PubMed; PMID 22178787

Goodarzi MO, Korenman SG. The importance of insulin resistance in polycystic ovary syndrome. *Fertil Steril.* 2003

Aug;80(2):255-8. Available from: PubMed; PMID 12909480

Goodarzi MO, Azziz R. Metformin use in polycystic ovary syndrome: metabolic benefits and diabetes prevention. *Am J Med.* 2008 Aug;121(8):e9; author reply e11. Available from: PubMed; PMID 18691471

Gorry A, White DM, Franks S. Infertility in polycystic ovary syndrome: focus on low-dose gonadotropin treatment. *Endocrine.* 2006 Aug;30(1):27-33. Available from: PubMed; PMID 17185789

Gottschalk ME. Adolescents, polycystic ovary syndrome, and insulin resistance syndrome. *Endocr Pract.* 2003 Sep-Oct;9 Suppl 2:81-5. Available from: PubMed; PMID 14698982

Grant P. Spearmint herbal tea has significant anti-androgen effects in polycystic ovarian syndrome. A randomized controlled trial. *Phytother Res.* 2010 Feb;24(2):186-8. Available from: PubMed; PMID 19585478

Grimmichova T, Vrbikova J, Matucha P, Vondra K, Veldhuis PP, Johnson ML. Fasting insulin pulsatile secretion in lean women with polycystic ovary syndrome. *Physiol Res.* 2008;57 Suppl 1:S91-8. Available from: PubMed; PMID 18271688

Grodnitskaya EE, Kurtser MA. Homocysteine metabolism in polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Mar;28(3):186-9. Available from: PubMed; PMID 21793705

Guido M, Romualdi D, Mancini A, Lattanzi F, Villa P, Barini A, Lanzone A, De Marinis L. Effect of the opioid blockade on the feeding-induced growth hormone response to growth hormone-releasing hormone in women with polycystic ovary syndrome. *Fertil Steril.* 2002 Nov;78(5):994-1000. Available from: PubMed; PMID 12413983

Guido M, Romualdi D, Belosi C, Selvaggi L, Lanzone A. Longitudinal metabolic observation of metformin effects during pregnancy in hyperinsulinemic women with polycystic ovary syndrome: a case report. *J Endocrinol Invest.* 2004 Jan;27(1):70-5. Available from: PubMed; PMID 15053248

Guido M, Romualdi D, Giuliani M, Suriano R, Selvaggi L, Apa R, Lanzone A. Drospirenone for the treatment of hirsute women with polycystic ovary syndrome: a clinical, endocrinological, metabolic pilot study. *J Clin Endocrinol Metab.* 2004 Jun;89(6):2817-23. Available from: PubMed; PMID 15181063

Guido M, Romualdi D, Suriano R, Giuliani M, Costantini B, Apa R, Lanzone A. Effect of pioglitazone treatment on the adrenal androgen response to corticotrophin in obese patients with polycystic ovary syndrome. *Hum Reprod.* 2004 Mar;19(3):534-9. Available from: PubMed; PMID 14998947

Guido M, Romualdi D, Giuliani M, Suriano R, Tienforti D, Costantini B, Lanzone A. Effect of metformin on the growth hormone response to growth hormone-releasing hormone in obese women with polycystic ovary syndrome. *Fertil Steril.* 2005 Nov;84(5):1470-6. Available from: PubMed; PMID 16275246

Guido M, Romualdi D, Lanzone A. Role of opioid antagonists in the treatment of women with glucoregulation abnormalities. *Curr Pharm Des.* 2006;12(8):1001-12. Available from: PubMed; PMID 16533167

Guido M, Romualdi D, De Marinis L, Porcelli T, Giuliani M, Costantini B, Lanzone A. Administration of exogenous ghrelin in obese patients with polycystic ovary syndrome: effects on plasma levels of growth hormone, glucose, and insulin. *Fertil Steril.* 2007 Jul;88(1):125-30. Available from: PubMed; PMID 17276431

Guido M, Romualdi D, Campagna G, Ricciardi L, Bompiani A, Lanzone A. Ethinylestradiol-chlormadinone acetate combination for the treatment of hirsutism and hormonal alterations of normal-weight women with polycystic ovary syndrome: evaluation of the metabolic impact. *Reprod Sci.* 2010 Aug;17(8):767-75. Available from: PubMed; PMID 20595709

Gul OB, Somunkiran A, Yucel O, Demirci F, Ozdemir I. The effect of ethinyl estradiol-cyproterone acetate treatment on homocysteine levels in women with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2008 Jan;277(1):25-30. Available from: PubMed; PMID 17618446

Gurusinghe D, Gill S, Almario RU, Lee J, Horn WF, Keim NL, Kim K, Karakas SE. In polycystic ovary syndrome, adrenal steroids are regulated differently in the morning versus in response to nutrient intake. *Fertil Steril.* 2010 Mar 1;93(4):1192-9. Available from: PubMed; PMID 19342030

Guttman-Bauman I. Approach to adolescent polycystic ovary syndrome (PCOS) in the pediatric endocrine community in the U.S.A. *J Pediatr Endocrinol Metab.* 2005 May;18(5):499-506. Available from: PubMed; PMID 15921180

Guzick DS. Polycystic ovary syndrome. *Obstet Gynecol.* 2004 Jan;103(1):181-93. Available from: PubMed; PMID 14704263

Guzick DS. Ovulation induction management of PCOS. *Clin Obstet Gynecol.* 2007 Mar;50(1):255-67. Available from: PubMed; PMID 17304040

Haas DA, Carr BR, Attia GR. Effects of metformin on body mass index, menstrual cyclicity, and ovulation induction in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Mar;79(3):469-81. Available from: PubMed; PMID 12620424

- Hacihanefioglu B, Somunkiran A, Mahmutoglu I, Sercelik A, Toptani S, Kervancioglu E. Effect of hypertension therapy with the angiotensin-converting enzyme inhibitor lisinopril on hyperandrogenism in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Mar;77(3):526-8. Available from: PubMed; PMID 11872207
- Hadziomerovic-Pekic D, Wildt L, Weiss JM, Moeller K, Mattle V, Seeber BE. Metformin, naltrexone, or the combination of prednisolone and antiandrogenic oral contraceptives as first-line therapy in hyperinsulinemic women with polycystic ovary syndrome. *Fertil Steril*. 2010 Nov;94(6):2385-8. Available from: PubMed; PMID 20356587
- Hahn S, Frey UH, Siffert W, Tan S, Mann K, Janssen OE. The CC genotype of the GNAS T393C polymorphism is associated with obesity and insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Nov;155(5):763-70. Available from: PubMed; PMID 17062894
- Halperin IJ, Kumar SS, Stroup DF, Laredo SE. The association between the combined oral contraceptive pill and insulin resistance, dysglycemia and dyslipidemia in women with polycystic ovary syndrome: a systematic review and meta-analysis of observational studies. *Hum Reprod*. 2011 Jan;26(1):191-201. Available from: PubMed; PMID 21059754
- Hamed HO, Hasan AF, Ahmed OG, Ahmed MA. Metformin versus laparoscopic ovarian drilling in clomiphene- and insulin-resistant women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2010 Feb;108(2):143-7. Available from: PubMed; PMID 19892338
- Hara M, Alcoser SY, Qadir A, Beiswenger KK, Cox NJ, Ehrmann DA. Insulin resistance is attenuated in women with polycystic ovary syndrome with the Pro(12)Ala polymorphism in the PPARgamma gene. *J Clin Endocrinol Metab*. 2002 Feb;87(2):772-5. Available from: PubMed; PMID 11836319
- Harborne L, Fleming R, Lyall H, Sattar N, Norman J. Metformin or antiandrogen in the treatment of hirsutism in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Sep;88(9):4116-23. Available from: PubMed; PMID 12970273
- Harborne LR, Sattar N, Norman JE, Fleming R. Metformin and weight loss in obese women with polycystic ovary syndrome: comparison of doses. *J Clin Endocrinol Metab*. 2005 Aug;90(8):4593-8. Available from: PubMed; PMID 15886247
- Harmanci A, Cinar N, Bayraktar M, Yildiz BO. Oral Contraceptive Plus Anti-Androgen Therapy And Cardiometabolic Risk In Polycystic Ovary Syndrome. *Clin Endocrinol (Oxf)*. 2012 Jun 15. Available from: PubMed; PMID 22702394
- Harris-Glocker M, Davidson K, Kochman L, Guzick D, Hoeger K. Improvement in quality-of-life questionnaire measures in obese adolescent females with polycystic ovary syndrome treated with lifestyle changes and oral contraceptives, with or without metformin. *Fertil Steril*. 2010 Feb;93(3):1016-9. Available from: PubMed; PMID 19781696
- Harrison CL, Lombard CB, Moran LJ, Teede HJ. Exercise therapy in polycystic ovary syndrome: a systematic review. *Hum Reprod Update*. 2011 Mar-Apr;17(2):171-83. Available from: PubMed; PMID 20833639
- Harrison CL, Stepto NK, Hutchison SK, Teede HJ. The impact of intensified exercise training on insulin resistance and fitness in overweight and obese women with and without polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Mar;76(3):351-7. Available from: PubMed; PMID 21711376
- Hart R, Norman R. Polycystic ovarian syndrome--prognosis and outcomes. *Best Pract Res Clin Obstet Gynaecol*. 2006 Oct;20(5):751-78. Available from: PubMed; PMID 16766228
- Hart R. Polycystic ovarian syndrome--prognosis and treatment outcomes. *Curr Opin Obstet Gynecol*. 2007 Dec;19(6):529-35. Available from: PubMed; PMID 18007129
- Harwood K, Vuguin P, DiMartino-Nardi J. Current approaches to the diagnosis and treatment of polycystic ovarian syndrome in youth. *Horm Res*. 2007;68(5):209-17. Available from: PubMed; PMID 17426408
- Hasan JA, Memon GU. Impact of metformin therapy in patients with polycystic ovarian syndrome. *J Coll Physicians Surg Pak*. 2005 Nov;15(11):712-5. Available from: PubMed; PMID 16300709
- Hashimoto S, Yatabe J, Midorikawa S, Sanada H, Watanabe T. Inhibition of growth hormone excess reduces insulin resistance and ovarian dysfunction in a lean case of polycystic ovary syndrome with a growth-hormone-producing pituitary adenoma. *Horm Res*. 2003;59(3):149-55. Available from: PubMed; PMID 12637795
- Hassan A, Gordon CM. Polycystic ovary syndrome update in adolescence. *Curr Opin Pediatr*. 2007 Aug;19(4):389-97. Available from: PubMed; PMID 17630601
- Haydardedeoglu B, Simsek E, Kilicdag EB, Bagis T. Metabolic and endocrine effects of metformin and metformin plus cyclic medroxyprogesterone acetate in women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2009 Apr;105(1):32-5. Available from: PubMed; PMID 19155004
- Hernandez I, Parra A, Mendez I, Cabrera V, Cravioto MC, Mercado M, Diaz-Sanchez V, Larrea F. Hypothalamic dopaminergic tone and prolactin bioactivity in women with polycystic ovary syndrome. *Arch Med Res*. 2000 Mar-

- Apr;31(2):216-22. Available from: PubMed; PMID 10880731
- Hernandez-Yero A, Santana Perez F, Ovies Carballo G, Cabrera-Rode E. Diamel therapy in polycystic ovary syndrome reduces hyperinsulinaemia, insulin resistance, and hyperandrogenaemia. *Int J Endocrinol*. 2012;2012:382719. Available from: PubMed; PMID 22778733
- Herriot AM, Whitcroft S, Jeanes Y. An retrospective audit of patients with polycystic ovary syndrome: the effects of a reduced glycaemic load diet. *J Hum Nutr Diet*. 2008 Aug;21(4):337-45. Available from: PubMed; PMID 18721400
- Heutling D, Schulz H, Nickel I, Kleinstein J, Kaltwasser P, Westphal S, Mittermayer F, Wolzt M, Krzyzanowska K, Randevo H, Scherthner G, Lehnert H. Asymmetrical dimethylarginine, inflammatory and metabolic parameters in women with polycystic ovary syndrome before and after metformin treatment. *J Clin Endocrinol Metab*. 2008 Jan;93(1):82-90. Available from: PubMed; PMID 17986642
- Hill KM. Update: The pathogenesis and treatment of PCOS. *Nurse Pract*. 2003 Jul;28(7 Pt 1):8-17, 22-3, table of contents; quiz 3-5. Available from: PubMed; PMID 12861090
- Hillard PJ. Oral contraceptives and the management of hyperandrogenism-polycystic ovary syndrome in adolescents. *Endocrinol Metab Clin North Am*. 2005 Sep;34(3):707-23, x. Available from: PubMed; PMID 16085167
- Hirschberg AL. Polycystic ovary syndrome, obesity and reproductive implications. *Womens Health (Lond Engl)*. 2009 Sep;5(5):529-40; quiz 41-2. Available from: PubMed; PMID 19702452
- Hoeger KM, Kochman L, Wixom N, Craig K, Miller RK, Guzik DS. A randomized, 48-week, placebo-controlled trial of intensive lifestyle modification and/or metformin therapy in overweight women with polycystic ovary syndrome: a pilot study. *Fertil Steril*. 2004 Aug;82(2):421-9. Available from: PubMed; PMID 15302293
- Hoeger KM. Role of lifestyle modification in the management of polycystic ovary syndrome. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):293-310. Available from: PubMed; PMID 16772159
- Hoeger KM. Obesity and lifestyle management in polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):277-94. Available from: PubMed; PMID 17304042
- Hoeger K, Davidson K, Kochman L, Cherry T, Kopin L, Guzik DS. The impact of metformin, oral contraceptives, and lifestyle modification on polycystic ovary syndrome in obese adolescent women in two randomized, placebo-controlled clinical trials. *J Clin Endocrinol Metab*. 2008 Nov;93(11):4299-306. Available from: PubMed; PMID 18728175
- Hoeger KM. Exercise therapy in polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):93-100. Available from: PubMed; PMID 18181087
- Hoffman LK, Ehrmann DA. Cardiometabolic features of polycystic ovary syndrome. *Nat Clin Pract Endocrinol Metab*. 2008 Apr;4(4):215-22. Available from: PubMed; PMID 18250636
- Hogg K, Young JM, Oliver EM, Souza CJ, McNeilly AS, Duncan WC. Enhanced thecal androgen production is prenatally programmed in an ovine model of polycystic ovary syndrome. *Endocrinology*. 2012 Jan;153(1):450-61. Available from: PubMed; PMID 22087026
- Hohmann FP, Laven JS, Mulders AG, Oberye JJ, Mannaerts BM, de Jong FH, Fauser BC. LH suppression following different low doses of the GnRH antagonist ganirelix in polycystic ovary syndrome. *J Endocrinol Invest*. 2005 Dec;28(11):990-7. Available from: PubMed; PMID 16483177
- Hojlund K, Glintborg D, Andersen NR, Birk JB, Treebak JT, Frosig C, Beck-Nielsen H, Wojtaszewski JF. Impaired insulin-stimulated phosphorylation of Akt and AS160 in skeletal muscle of women with polycystic ovary syndrome is reversed by pioglitazone treatment. *Diabetes*. 2008 Feb;57(2):357-66. Available from: PubMed; PMID 17977950
- Homburg R. Should patients with polycystic ovarian syndrome be treated with metformin? A note of cautious optimism. *Hum Reprod*. 2002 Apr;17(4):853-6. Available from: PubMed; PMID 11925372
- Homburg R. Management of infertility and prevention of ovarian hyperstimulation in women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):773-88. Available from: PubMed; PMID 15380146
- Homburg R, Lambalk CB. Polycystic ovary syndrome in adolescence--a therapeutic conundrum. *Hum Reprod*. 2004 May;19(5):1039-42. Available from: PubMed; PMID 15016769
- Homburg R. Polycystic ovary syndrome in adolescence. New insights in pathophysiology and treatment. *Endocr Dev*. 2005;8:137-49. Available from: PubMed; PMID 15722622
- Homburg R. Pregnancy complications in PCOS. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):281-92. Available from: PubMed; PMID 16772158
- Homburg R. Polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2008 Apr;22(2):261-74. Available from: PubMed; PMID 17804299

Hoyt KL, Schmidt MC. Polycystic ovary (Stein-Leventhal) syndrome: etiology, complications, and treatment. *Clin Lab Sci*. 2004 Summer;17(3):155-63. Available from: PubMed; PMID 15314890

Hsia Y, Dawoud D, Sutcliffe AG, Viner RM, Kinra S, Wong IC. Unlicensed use of metformin in children and adolescents in the UK. *Br J Clin Pharmacol*. 2012 Jan;73(1):135-9. Available from: PubMed; PMID 21762204

Huang G, Coviello A. Clinical update on screening, diagnosis and management of metabolic disorders and cardiovascular risk factors associated with polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2012 Dec;19(6):512-9. Available from: PubMed; PMID 23108199

Humphreys L, Costarelli V. Implementation of dietary and general lifestyle advice among women with polycystic ovarian syndrome. *J R Soc Promot Health*. 2008 Jul;128(4):190-5. Available from: PubMed; PMID 18678115

Hunter MH, Sterrett JJ. Polycystic ovary syndrome: it's not just infertility. *Am Fam Physician*. 2000 Sep 1;62(5):1079-88, 90. Available from: PubMed; PMID 10997532

Hutchison SK, Zoungas S, Teede HJ. Insulin levels, insulin resistance and the use of metformin in polycystic ovary syndrome. *Med J Aust*. 2007 Mar 5;186(5):268-9; author reply 71-2. Available from: PubMed; PMID 17391092

Hutchison SK, Harrison C, Stepto N, Meyer C, Teede HJ. Retinol-binding protein 4 and insulin resistance in polycystic ovary syndrome. *Diabetes Care*. 2008 Jul;31(7):1427-32. Available from: PubMed; PMID 18390799

Hutchison SK, Stepto NK, Harrison CL, Moran LJ, Strauss BJ, Teede HJ. Effects of exercise on insulin resistance and body composition in overweight and obese women with and without polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Jan;96(1):E48-56. Available from: PubMed; PMID 20926534

Hutchison SK, Teede HJ, Rachon D, Harrison CL, Strauss BJ, Stepto NK. Effect of exercise training on insulin sensitivity, mitochondria and computed tomography muscle attenuation in overweight women with and without polycystic ovary syndrome. *Diabetologia*. 2012 May;55(5):1424-34. Available from: PubMed; PMID 22246378

Ibanez L, de Zegher F. Low-dose combination of flutamide, metformin and an oral contraceptive for non-obese, young women with polycystic ovary syndrome. *Hum Reprod*. 2003 Jan;18(1):57-60. Available from: PubMed; PMID 12525441

Ibanez L, Ong K, Ferrer A, Amin R, Dunger D, de Zegher F. Low-dose flutamide-metformin therapy reverses insulin resistance and reduces fat mass in nonobese adolescents with ovarian hyperandrogenism. *J Clin Endocrinol Metab*. 2003 Jun;88(6):2600-6. Available from: PubMed; PMID 12788862

Ibanez L, De Zegher F. Flutamide-metformin plus an oral contraceptive (OC) for young women with polycystic ovary syndrome: switch from third- to fourth-generation OC reduces body adiposity. *Hum Reprod*. 2004 Aug;19(8):1725-7. Available from: PubMed; PMID 15229206

Ibanez L, de Zegher F. Ethinylestradiol-drospirenone, flutamide-metformin, or both for adolescents and women with hyperinsulinemic hyperandrogenism: opposite effects on adipocytokines and body adiposity. *J Clin Endocrinol Metab*. 2004 Apr;89(4):1592-7. Available from: PubMed; PMID 15070917

Ibanez L, Ferrer A, Ong K, Amin R, Dunger D, de Zegher F. Insulin sensitization early after menarche prevents progression from precocious pubarche to polycystic ovary syndrome. *J Pediatr*. 2004 Jan;144(1):23-9. Available from: PubMed; PMID 14722514

Ibanez L, Valls C, Cabre S, De Zegher F. Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of early, low-dose flutamide. *J Clin Endocrinol Metab*. 2004 Sep;89(9):4716-20. Available from: PubMed; PMID 15356085

Ibanez L, Valls C, Marcos MV, Ong K, Dunger DB, De Zegher F. Insulin sensitization for girls with precocious pubarche and with risk for polycystic ovary syndrome: effects of prepubertal initiation and postpubertal discontinuation of metformin treatment. *J Clin Endocrinol Metab*. 2004 Sep;89(9):4331-7. Available from: PubMed; PMID 15356029

Ibanez L, de Zegher F. Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of metformin at the start and after more than one year of therapy. *J Clin Endocrinol Metab*. 2005 Jan;90(1):39-43. Available from: PubMed; PMID 15483105

Ibanez L, de Zegher F. Low-dose flutamide-metformin therapy for hyperinsulinemic hyperandrogenism in non-obese adolescents and women. *Hum Reprod Update*. 2006 May-Jun;12(3):243-52. Available from: PubMed; PMID 16407452

Ibanez L, Lopez-Bermejo A, Diaz M, Enriquez G, Del Rio L, De Zegher F. Low-dose pioglitazone, flutamide, metformin plus an estrogen-progestagen for non-obese young women with polycystic ovary syndrome: increasing efficacy and persistent safety over 30 months. *Gynecol*



Endocrinol. 2010 Dec;26(12):869-73. Available from: PubMed; PMID 20500100

Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab.* 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811

Ilie IR, Marian I, Mocan T, Ilie R, Mocan L, Duncea I, Pepene CE. Ethinylestradiol30µg-drospirenone and metformin: could this combination improve endothelial dysfunction in polycystic ovary syndrome? *BMC Endocr Disord.* 2012;12:9. Available from: PubMed; PMID 22713099

Isojarvi JI, Tapanainen JS. Valproate, hyperandrogenism, and polycystic ovaries: a report of 3 cases. *Arch Neurol.* 2000 Jul;57(7):1064-8. Available from: PubMed; PMID 10891991

Isojarvi JI, Tauboll E, Pakarinen AJ, van Parys J, Rattya J, Harbo HF, Dale PO, Fauser BC, Gjerstad L, Koivunen R, Knip M, Tapanainen JS. Altered ovarian function and cardiovascular risk factors in valproate-treated women. *Am J Med.* 2001 Sep;111(4):290-6. Available from: PubMed; PMID 11566460

Isojarvi JI, Tauboll E, Tapanainen JS, Pakarinen AJ, Laatikainen TJ, Knip M, Myllyla VV. On the association between valproate and polycystic ovary syndrome: a response and an alternative view. *Epilepsia.* 2001 Mar;42(3):305-10. Available from: PubMed; PMID 11442144

Iuorno MJ, Nestler JE. Insulin-lowering drugs in polycystic ovary syndrome. *Obstet Gynecol Clin North Am.* 2001 Mar;28(1):153-64. Available from: PubMed; PMID 11293000

Jackson ML. Polycystic ovarian syndrome: what nurses need to know about this misunderstood disorder. *AWHONN Lifelines.* 2004 Dec-2005 Jan;8(6):511-8. Available from: PubMed; PMID 15690755

Jakubowicz DJ, Iuorno MJ, Jakubowicz S, Roberts KA, Nestler JE. Effects of metformin on early pregnancy loss in the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Feb;87(2):524-9. Available from: PubMed; PMID 11836280

Jakubowicz D, Wainstein J, Homburg R. The link between polycystic ovarian syndrome and type 2 diabetes: preventive and therapeutic approach in Israel. *Isr Med Assoc J.* 2012 Jul;14(7):442-7. Available from: PubMed; PMID 22953622

Jakubowska J, Bohdanowicz-Pawlak A, Milewicz A, Szymczak J, Bednarek-Tupikowska G, Demissie M. Plasma cytokines in obese women with polycystic ovary syndrome, before and after metformin treatment. *Gynecol*

Endocrinol. 2008 Jul;24(7):378-84. Available from: PubMed; PMID 18645710

Jammah AA, Somal KK, Power SG, McManus RM. Gestational diabetes after infertility treatment for polycystic ovarian syndrome. *Saudi Med J.* 2009 Apr;30(4):575-6. Available from: PubMed; PMID 19370293

Janssen OE, Hahn S, Tan S, Benson S, Elsenbruch S. Mood and sexual function in polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):45-52. Available from: PubMed; PMID 18181082

Jason J. Polycystic ovary syndrome in the United States: clinical visit rates, characteristics, and associated health care costs. *Arch Intern Med.* 2011 Jul 11;171(13):1209-11. Available from: PubMed; PMID 21747019

Jayagopal V, Kilpatrick ES, Jennings PE, Hepburn DA, Atkin SL. The biological variation of testosterone and sex hormone-binding globulin (SHBG) in polycystic ovarian syndrome: implications for SHBG as a surrogate marker of insulin resistance. *J Clin Endocrinol Metab.* 2003 Apr;88(4):1528-33. Available from: PubMed; PMID 12679434

Jayagopal V, Kilpatrick ES, Holding S, Jennings PE, Atkin SL. Orlistat is as beneficial as metformin in the treatment of polycystic ovarian syndrome. *J Clin Endocrinol Metab.* 2005 Feb;90(2):729-33. Available from: PubMed; PMID 15536162

Jayaraman M, Subrahmanya HK, Modi K. Type 1 diabetes mellitus and polycystic ovary syndrome. *Endocr Pract.* 2009 Jan-Feb;15(1):80-1. Available from: PubMed; PMID 19211406

Jedel E, Labrie F, Oden A, Holm G, Nilsson L, Janson PO, Lind AK, Ohlsson C, Stener-Victorin E. Impact of electroacupuncture and physical exercise on hyperandrogenism and oligo/amenorrhea in women with polycystic ovary syndrome: a randomized controlled trial. *Am J Physiol Endocrinol Metab.* 2011 Jan;300(1):E37-45. Available from: PubMed; PMID 20943753

Jensterle M, Janez A, Vrtovec B, Meden-Vrtovec H, Pfeifer M, Prezelj J, Kocjan T. Decreased androgen levels and improved menstrual pattern after angiotensin II receptor antagonist telmisartan treatment in four hypertensive patients with polycystic ovary syndrome: case series. *Croat Med J.* 2007 Dec;48(6):864-70. Available from: PubMed; PMID 18074422

Jensterle M, Janez A, Mlinar B, Marc J, Prezelj J, Pfeifer M. Impact of metformin and rosiglitazone treatment on glucose transporter 4 mRNA expression in women with polycystic ovary syndrome. *Eur J Endocrinol.* 2008 Jun;158(6):793-801. Available from: PubMed; PMID 18322300

Jensterle M, Sebestjen M, Janez A, Prezelj J, Kocjan T, Keber I, Pfeifer M. Improvement of endothelial function

with metformin and rosiglitazone treatment in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2008 Oct;159(4):399-406. Available from: PubMed; PMID 18653546

Jinno M, Kondou K, Teruya K. Low-dose metformin improves pregnancy rate in in vitro fertilization repeaters without polycystic ovary syndrome: prediction of effectiveness by multiple parameters related to insulin resistance. *Hormones (Athens)*. 2010 Apr-Jun;9(2):161-70. Available from: PubMed; PMID 20687400

Joffe H, Hall JE, Cohen LS, Taylor AE, Baldessarini RJ. A putative relationship between valproic acid and polycystic ovarian syndrome: implications for treatment of women with seizure and bipolar disorders. *Harv Rev Psychiatry*. 2003 Mar-Apr;11(2):99-108. Available from: PubMed; PMID 12868510

Joffe H, Cohen LS, Suppes T, Hwang CH, Molay F, Adams JM, Sachs GS, Hall JE. Longitudinal follow-up of reproductive and metabolic features of valproate-associated polycystic ovarian syndrome features: A preliminary report. *Biol Psychiatry*. 2006 Dec 15;60(12):1378-81. Available from: PubMed; PMID 16950230

Joham AE, Teede HJ, Hutchison SK, Stepto NK, Harrison CL, Paul E, Watt MJ. PIGMENT EPITHELIUM-DERIVED FACTOR, INSULIN SENSITIVITY AND ADIPOSITY IN POLYCYSTIC OVARY SYNDROME: IMPACT OF EXERCISE TRAINING. *Obesity (Silver Spring)*. 2012 May 29. Available from: PubMed; PMID 22641183

Johansson J, Feng Y, Shao R, Lonn M, Billig H, Stener-Victorin E. Intense electroacupuncture normalizes insulin sensitivity, increases muscle GLUT4 content, and improves lipid profile in a rat model of polycystic ovary syndrome. *Am J Physiol Endocrinol Metab*. 2010 Oct;299(4):E551-9. Available from: PubMed; PMID 20663984

Johnsen S, Dolan SE, Fitch KV, Killilea KM, Shifren JL, Grinspoon SK. Absence of polycystic ovary syndrome features in human immunodeficiency virus-infected women despite significant hyperinsulinemia and truncal adiposity. *J Clin Endocrinol Metab*. 2005 Oct;90(10):5596-604. Available from: PubMed; PMID 16076939

Johnson NP, Wang K. Is ovarian surgery effective for androgenic symptoms of polycystic ovarian syndrome? *J Obstet Gynaecol*. 2003 Nov;23(6):599-606. Available from: PubMed; PMID 14617458

Johnson N. Metformin is a reasonable first-line treatment option for non-obese women with infertility related to anovulatory polycystic ovary syndrome--a meta-analysis of randomised trials. *Aust N Z J Obstet Gynaecol*. 2011 Apr;51(2):125-9. Available from: PubMed; PMID 21466513

Jonard S, Robert Y, Cortet-Rudelli C, Pigny P, Decanter C, Dewailly D. Ultrasound examination of polycystic ovaries:

is it worth counting the follicles? *Hum Reprod*. 2003 Mar;18(3):598-603. Available from: PubMed; PMID 12615832

Jones AE. Diagnosis and treatment of polycystic ovarian syndrome. *Nurs Times*. 2005 Jan 18-24;101(3):40-3. Available from: PubMed; PMID 15693578

Jones GL, Hall JM, Balen AH, Ledger WL. Health-related quality of life measurement in women with polycystic ovary syndrome: a systematic review. *Hum Reprod Update*. 2008 Jan-Feb;14(1):15-25. Available from: PubMed; PMID 17905857

Jongwutiwes T, Lertvikool S, Leelaphiwat S, Rattanasiri S, Jultanas R, Weerakiet S. Serum visfatin in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2009 Aug;25(8):536-42. Available from: PubMed; PMID 19533482

Julson H. Effectiveness of insulin sensitizing drugs for polycystic ovary syndrome. *Am Fam Physician*. 2007 Nov 1;76(9):1308-9. Available from: PubMed; PMID 18019873

Jung JH, Hahm JR, Jung TS, Kim HJ, Kim HS, Kim S, Kim SK, Lee SM, Kim DR, Choi WJ, Seo YM, Chung SI. A 27-year-old woman diagnosed as polycystic ovary syndrome associated with Graves' disease. *Intern Med*. 2011;50(19):2185-9. Available from: PubMed; PMID 21963738

Kalgaonkar S, Almario RU, Gurusinge D, Garamendi EM, Buchan W, Kim K, Karakas SE. Differential effects of walnuts vs almonds on improving metabolic and endocrine parameters in PCOS. *Eur J Clin Nutr*. 2011 Mar;65(3):386-93. Available from: PubMed; PMID 21157477

Kapoor S. Rimonabant: a rapidly expanding role in the management of metabolic and systemic disorders besides polycystic ovarian syndrome. *Clin Endocrinol (Oxf)*. 2009 Feb;70(2):339. Available from: PubMed; PMID 18625002

Karabacak IY, Karabacak O, Toruner FB, Akdemir O, Arslan M. Treatment effect of sibutramine compared to fluoxetine on leptin levels in polycystic ovary disease. *Gynecol Endocrinol*. 2004 Oct;19(4):196-201. Available from: PubMed; PMID 15724802

Karadeniz M, Erdogan M, Zengi A, Tamsel S, Berdeli A, Saygili F, Yilmaz C. Polymorphism of the interleukin-10 gene in polycystic ovary syndrome. *Int J Immunogenet*. 2008 Apr;35(2):119-23. Available from: PubMed; PMID 18218037

Karakas S, Mortada R, Fellow C. In search of the "LINK": Acute Phase Serum Amyloid A. *Atherosclerosis*. 2011 Jun;216(2):266-8. Available from: PubMed; PMID 21450291

Kasim-Karakas SE, Almario RU, Gregory L, Wong R, Todd H, Lasley BL. Metabolic and endocrine effects of a polyunsaturated fatty acid-rich diet in polycystic ovary

syndrome. *J Clin Endocrinol Metab.* 2004 Feb;89(2):615-20. Available from: PubMed; PMID 14764771

Kasim-Karakas SE, Almario RU, Cunningham W. Effects of protein versus simple sugar intake on weight loss in polycystic ovary syndrome (according to the National Institutes of Health criteria). *Fertil Steril.* 2009 Jul;92(1):262-70. Available from: PubMed; PMID 18691705

Kasperlik-Zaluska AA, Stopinska-Gluszak U, Powolny M. Severe virilisation in a 71-year-old acromegalic woman with probable polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2007 Sep;134(1):134-5. Available from: PubMed; PMID 16996195

Kassi EN, Diamanti-Kandarakis E, Papavassiliou AG. Correlates between hyperinsulinism and hyperandrogenemia? *Fertil Steril.* 2008 Apr;89(4):1033-4; author reply 4. Available from: PubMed; PMID 18339386

Katcher HI, Kunselman AR, Dmitrovic R, Demers LM, Gnatuk CL, Kris-Etherton PM, Legro RS. Comparison of hormonal and metabolic markers after a high-fat, Western meal versus a low-fat, high-fiber meal in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Apr;91(4):1175-82. Available from: PubMed; PMID 18331737

Katsiki N, Georgiadou E, Hatzitolios AI. The role of insulin-sensitizing agents in the treatment of polycystic ovary syndrome. *Drugs.* 2009 Jul 30;69(11):1417-31. Available from: PubMed; PMID 19634921

Katsiki N, Hatzitolios AI. Insulin-sensitizing agents in the treatment of polycystic ovary syndrome: an update. *Curr Opin Obstet Gynecol.* 2010 Dec;22(6):466-76. Available from: PubMed; PMID 20724929

Kauffman RP, Baker VM, Dimarino P, Gimpel T, Castracane VD. Polycystic ovarian syndrome and insulin resistance in white and Mexican American women: a comparison of two distinct populations. *Am J Obstet Gynecol.* 2002 Nov;187(5):1362-9. Available from: PubMed; PMID 12439532

Kaya C, Pabuccu R, Cengiz SD, Dunder I. Comparison of the effects of atorvastatin and simvastatin in women with polycystic ovary syndrome: A prospective, randomized study. *Exp Clin Endocrinol Diabetes.* 2010 Mar;118(3):161-6. Available from: PubMed; PMID 20146169

Kazerooni T, Dehghan-Kooshkghazi M. Effects of metformin therapy on hyperandrogenism in women with polycystic ovarian syndrome. *Gynecol Endocrinol.* 2003 Feb;17(1):51-6. Available from: PubMed; PMID 12724019

Kazerooni T, Asadi N, Dehbashi S, Zolghadri J. Effect of folic acid in women with and without insulin resistance who have hyperhomocysteinemic polycystic ovary

syndrome. *Int J Gynaecol Obstet.* 2008 May;101(2):156-60. Available from: PubMed; PMID 18313674

Kazerooni T, Ghaffarparand F, Kazerooni Y, Kazerooni M, Setoodeh S. Short-term metformin treatment for clomiphene citrate-resistant women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2009 Oct;107(1):50-3. Available from: PubMed; PMID 19552904

Kazerooni T, Shojaei-Baghini A, Dehbashi S, Asadi N, Ghaffarparand F, Kazerooni Y. Effects of metformin plus simvastatin on polycystic ovary syndrome: a prospective, randomized, double-blind, placebo-controlled study. *Fertil Steril.* 2010 Nov;94(6):2208-13. Available from: PubMed; PMID 20079899

Kebapcilar L, Taner CE, Kebapcilar AG, Alacacioglu A, Sari I. Comparison of four different treatment regimens on coagulation parameters, hormonal and metabolic changes in women with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2010 Jan;281(1):35-42. Available from: PubMed; PMID 19330342

Kebapcilar L, Kebapcilar AG, Bilgir O, Taner CE, Bozkaya G, Yildiz Y, Sari I. Metformin plus oral contraceptive may decrease plasma sCD40 ligand in women with PCOS patients. *Gynecol Endocrinol.* 2011 Feb;27(2):91-5. Available from: PubMed; PMID 20528207

Kelestimir F, Unluhizarci K, Baybuga H, Atmaca H, Bayram F, Sahin Y. Prevalence of polycystic ovarian changes and polycystic ovary syndrome in premenopausal women with treated type 2 diabetes mellitus. *Fertil Steril.* 2006 Aug;86(2):405-10. Available from: PubMed; PMID 16762349

Kelley LS. Polycystic ovarian syndrome. A challenge for occupational health nursing. *AAOHN J.* 2003 Jan;51(1):23-7. Available from: PubMed; PMID 12596342

Kelly CJ, Connell JM, Cameron IT, Gould GW, Lyall H. The long term health consequences of polycystic ovary syndrome. *BJOG.* 2000 Nov;107(11):1327-38. Available from: PubMed; PMID 11117758

Kenna HA, Jiang B, Rasgon NL. Reproductive and metabolic abnormalities associated with bipolar disorder and its treatment. *Harv Rev Psychiatry.* 2009;17(2):138-46. Available from: PubMed; PMID 19373621

Kent SC, Legro RS. Polycystic ovary syndrome in adolescents. *Adolesc Med.* 2002 Feb;13(1):73-88, vi. Available from: PubMed; PMID 11841956

Ketel II, Stehouwer CD, Serne EH, Korsen TJ, Hompes PG, Smulders YM, de Jongh RT, Homburg R, Lambalk CB. Obese but not normal-weight women with polycystic ovary syndrome are characterized by metabolic and microvascular insulin resistance. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3365-72. Available from: PubMed; PMID 18593766

- Khademi A, Alleyassin A, Aghahosseini M, Tabatabaefar L, Amini M. The Effect of Exercise in PCOS Women Who Exercise Regularly. *Asian J Sports Med.* 2010 Mar;1(1):35-40. Available from: PubMed; PMID 22375190
- Khan KA, Stas S, Kurukulasuriya LR. Polycystic ovarian syndrome. *J Cardiometab Syndr.* 2006 Spring;1(2):125-30; quiz 31-2. Available from: PubMed; PMID 17679815
- Khattab S, Mohsen IA, Aboul Foutouh I, Ashmawi HS, Mohsen MN, van Wely M, van der Veen F, Youssef MA. Can metformin reduce the incidence of gestational diabetes mellitus in pregnant women with polycystic ovary syndrome? Prospective cohort study. *Gynecol Endocrinol.* 2011 Oct;27(10):789-93. Available from: PubMed; PMID 21247239
- Khorram O, Helliwell JP, Katz S, Bonpane CM, Jaramillo L. Two weeks of metformin improves clomiphene citrate-induced ovulation and metabolic profiles in women with polycystic ovary syndrome. *Fertil Steril.* 2006 May;85(5):1448-51. Available from: PubMed; PMID 16579997
- Kilic S, Yilmaz N, Zulfikaroglu E, Erdogan G, Aydin M, Batioglu S. Inflammatory-metabolic parameters in obese and nonobese normoandrogenemic polycystic ovary syndrome during metformin and oral contraceptive treatment. *Gynecol Endocrinol.* 2011 Sep;27(9):622-9. Available from: PubMed; PMID 21105835
- Kilicdag EB, Bagis T, Zeyneloglu HB, Tarim E, Aslan E, Haydardedeoglu B, Erkanli S. Homocysteine levels in women with polycystic ovary syndrome treated with metformin versus rosiglitazone: a randomized study. *Hum Reprod.* 2005 Apr;20(4):894-9. Available from: PubMed; PMID 15618250
- Kilic-Okman T, Kucuk M. N-acetyl-cysteine treatment for polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2004 Jun;85(3):296-7. Available from: PubMed; PMID 15145276
- Kim LH, Taylor AE, Barbieri RL. Insulin sensitizers and polycystic ovary syndrome: can a diabetes medication treat infertility? *Fertil Steril.* 2000 Jun;73(6):1097-8. Available from: PubMed; PMID 10856463
- King J. Polycystic ovary syndrome. *J Midwifery Womens Health.* 2006 Nov-Dec;51(6):415-22. Available from: PubMed; PMID 17081931
- King AJ, Olivier NB, Mohankumar PS, Lee JS, Padmanabhan V, Fink GD. Hypertension caused by prenatal testosterone excess in female sheep. *Am J Physiol Endocrinol Metab.* 2007 Jun;292(6):E1837-41. Available from: PubMed; PMID 17327368
- Kircher C, Smith KP. Acarbose for polycystic ovary syndrome. *Ann Pharmacother.* 2008 Jun;42(6):847-51. Available from: PubMed; PMID 18460589
- Kjotrod SB, Romundstad P, von During V, Sunde A, Carlsen SM. C-reactive protein levels are unaffected by metformin during pretreatment and an IVF cycle in women with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):635-41. Available from: PubMed; PMID 17548076
- Kjotrod SB, Sunde A, von During V, Carlsen SM. Possible metformin effect on adrenal androgens during pretreatment and IVF cycle in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Feb;91(2):500-8. Available from: PubMed; PMID 18304542
- Kjotrod SB, Carlsen SM, Rasmussen PE, Holst-Larsen T, Mellembakken J, Thurin-Kjellberg A, Haapaniemikouru K, Morin-Papunen L, Humaidan P, Sunde A, von During V. Use of metformin before and during assisted reproductive technology in non-obese young infertile women with polycystic ovary syndrome: a prospective, randomized, double-blind, multi-centre study. *Hum Reprod.* 2011 Aug;26(8):2045-53. Available from: PubMed; PMID 21606131
- Knudsen KL, Blank SK, Burt Solorzano C, Patrie JT, Chang RJ, Caprio S, Marshall JC, McCartney CR. Hyperandrogenemia in obese peripubertal girls: correlates and potential etiological determinants. *Obesity (Silver Spring).* 2010 Nov;18(11):2118-24. Available from: PubMed; PMID 20339367
- Kocak I, Ustun C. Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res.* 2006 Jun;32(3):292-8. Available from: PubMed; PMID 16764619
- Koivu E, Tziomalos K, Dinas K, Katsikis I, Kalaitzakis E, Delkos D, Kandaraki EA, Panidis D. The effect of weight loss and treatment with metformin on serum vaspin levels in women with polycystic ovary syndrome. *Endocr J.* 2011;58(4):237-46. Available from: PubMed; PMID 21325745
- Koivu E, Tziomalos K, Katsikis I, Kandaraki EA, Kalaitzakis E, Delkos D, Vosnakis C, Panidis D. Weight loss significantly reduces serum lipocalin-2 levels in overweight and obese women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Jan;28(1):20-4. Available from: PubMed; PMID 21756081
- Koivunen RM, Juutinen J, Vauhkonen I, Morin-Papunen LC, Ruokonen A, Tapanainen JS. Metabolic and steroidogenic alterations related to increased frequency of polycystic ovaries in women with a history of gestational diabetes. *J Clin Endocrinol Metab.* 2001 Jun;86(6):2591-9. Available from: PubMed; PMID 11397859
- Koivunen RM, Morin-Papunen LC, Ruokonen A, Tapanainen JS, Martikainen HK. Ovarian steroidogenic response to human chorionic gonadotrophin in obese women with polycystic ovary syndrome: effect of

- metformin. *Hum Reprod.* 2001 Dec;16(12):2546-51. Available from: PubMed; PMID 11726572
- Kolodziejczyk B, Duleba AJ, Spaczynski RZ, Pawelczyk L. Metformin therapy decreases hyperandrogenism and hyperinsulinemia in women with polycystic ovary syndrome. *Fertil Steril.* 2000 Jun;73(6):1149-54. Available from: PubMed; PMID 10856473
- Kong GW, Cheung LP, Lok IH. Effects of laparoscopic ovarian drilling in treating infertile anovulatory polycystic ovarian syndrome patients with and without metabolic syndrome. *Hong Kong Med J.* 2011 Feb;17(1):5-10. Available from: PubMed; PMID 21282820
- Koo YA, Shin SY, Yoon BK, Choi D. Pioglitazone for treating polycystic ovary syndrome in non-obese women of reproductive age with different clinical presentations. *Gynecol Endocrinol.* 2007;23(8):461-7. Available from: PubMed; PMID 17852414
- Kos-Kudla B, Malecka-Mikosz O, Foltyn W, Ostrowska Z, Kudla M, Mazur B. Plasma ghrelin concentrations in patients with polycystic ovary syndrome before and after 6months therapy: correlation with androgen levels. *Neuro Endocrinol Lett.* 2006 Dec;27(6):763-7. Available from: PubMed; PMID 17187005
- Kostev K, Richter H. Unlicensed use of metformin in children and adolescents in Germany and France. *Br J Clin Pharmacol.* 2012 Feb;73(2):307-8. Available from: PubMed; PMID 22023105
- Kotsa K, Yavropoulou MP, Anastasiou O, Yovos JG. Role of vitamin D treatment in glucose metabolism in polycystic ovary syndrome. *Fertil Steril.* 2009 Sep;92(3):1053-8. Available from: PubMed; PMID 18930208
- Kovacs G, Wood C. The current status of polycystic ovary syndrome. *Aust N Z J Obstet Gynaecol.* 2001 Feb;41(1):65-8. Available from: PubMed; PMID 11284649
- Kovo M, Weissman A, Gur D, Levran D, Rotmensch S, Glezerman M. Neonatal outcome in polycystic ovarian syndrome patients treated with metformin during pregnancy. *J Matern Fetal Neonatal Med.* 2006 Jul;19(7):415-9. Available from: PubMed; PMID 16923696
- Kowalska I, Kinalski M, Strackowski M, Wolczynski S, Kinalska I. Insulin, leptin, IGF-I and insulin-dependent protein concentrations after insulin-sensitizing therapy in obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2001 May;144(5):509-15. Available from: PubMed; PMID 11331217
- Koyuncu FM, Kuscü NK, Var A, Onur E. Leptin levels in patients with polycystic ovary syndrome in response to two different oral contraceptive treatments. *Acta Obstet Gynecol Scand.* 2003 Aug;82(8):767-8. Available from: PubMed; PMID 12848650
- Kriplani A, Agarwal N. Effects of metformin on clinical and biochemical parameters in polycystic ovary syndrome. *J Reprod Med.* 2004 May;49(5):361-7. Available from: PubMed; PMID 15214709
- Krotkiewski M, Landin K, Dahlgren E, Janson PO, Holm G. Effect of two modes of antiandrogen treatment on insulin sensitivity and serum leptin in women with PCOS. *Gynecol Obstet Invest.* 2003;55(2):88-95. Available from: PubMed; PMID 12771455
- Krstevska B, Dimitrovski C, Pemovska G, Misevska S, Dimova Z, Simeonova S, Ahmeti I. Metformin improves menstrual patterns, endocrine and metabolic profile in obese hyperinsulinemic women with a polycystic ovary syndrome. *Prilozi.* 2006 Jul;27(1):57-66. Available from: PubMed; PMID 16862066
- Krysiak R, Okopien B, Gdula-Dymek A, Herman ZS. Update on the management of polycystic ovary syndrome. *Pharmacol Rep.* 2006 Sep-Oct;58(5):614-25. Available from: PubMed; PMID 17085853
- Kumari AS, Haq A, Jayasundaram R, Abdel-Wareth LO, Al Haija SA, Alvares M. Metformin monotherapy in lean women with polycystic ovary syndrome. *Reprod Biomed Online.* 2005 Jan;10(1):100-4. Available from: PubMed; PMID 15705302
- Kumbak B, Kahraman S. Efficacy of metformin supplementation during ovarian stimulation of lean PCOS patients undergoing in vitro fertilization. *Acta Obstet Gynecol Scand.* 2009;88(5):563-8. Available from: PubMed; PMID 19306135
- Kurzawa R, Ciepiela P, Baczkowski T, Safranow K, Brelik P. Comparison of embryological and clinical outcome in GnRH antagonist vs. GnRH agonist protocols for in vitro fertilization in PCOS non-obese patients. A prospective randomized study. *J Assist Reprod Genet.* 2008 Aug;25(8):365-74. Available from: PubMed; PMID 18802744
- la Marca A, Egbe TO, Morgante G, Paglia T, Cianci A, De Leo V. Metformin treatment reduces ovarian cytochrome P-450c17alpha response to human chorionic gonadotrophin in women with insulin resistance-related polycystic ovary syndrome. *Hum Reprod.* 2000 Jan;15(1):21-3. Available from: PubMed; PMID 10611182
- La Marca A, Artensio AC, Stabile G, Volpe A. Metformin treatment of PCOS during adolescence and the reproductive period. *Eur J Obstet Gynecol Reprod Biol.* 2005 Jul 1;121(1):3-7. Available from: PubMed; PMID 15941616
- Lam PM, Cheung LP, Haines C. Revisit of metformin treatment in polycystic ovarian syndrome. *Gynecol Endocrinol.* 2004 Jul;19(1):33-9. Available from: PubMed; PMID 15625771

- Lam PM, Tam WH, Ma RC, Cheung LP, Tsui MH, Tong PC, Chow FC, Lam CW, Chan MH, Chan JC, Haines CJ. The reproductive and metabolic effect of rosiglitazone on Chinese women with polycystic ovarian syndrome--a double-blind randomized placebo-controlled study. *Fertil Steril*. 2011 Aug;96(2):445-51 e1. Available from: PubMed; PMID 21722894
- Lane DE. Polycystic ovary syndrome and its differential diagnosis. *Obstet Gynecol Surv*. 2006 Feb;61(2):125-35. Available from: PubMed; PMID 16433936
- Lane SM. We need guidelines for diagnosis and treatment of polycystic ovary syndrome. *Med J Aust*. 2007 Mar 5;186(5):268; author reply 71-2. Available from: PubMed; PMID 17391093
- Lanham MS, Lebovic DI, Domino SE. Contemporary medical therapy for polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2006 Dec;95(3):236-41. Available from: PubMed; PMID 17010975
- Lansdown A, Rees DA. The sympathetic nervous system in polycystic ovary syndrome: a novel therapeutic target? *Clin Endocrinol (Oxf)*. 2012 Dec;77(6):791-801. Available from: PubMed; PMID 22882204
- Laredo SE. Obesity, polycystic ovary syndrome, infertility treatment: asking obese women to lose weight before treatment increases stigmatisation. *BMJ*. 2006 Mar 11;332(7541):609. Available from: PubMed; PMID 16528092
- Lass N, Kleber M, Winkel K, Wunsch R, Reinehr T. Effect of lifestyle intervention on features of polycystic ovarian syndrome, metabolic syndrome, and intima-media thickness in obese adolescent girls. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3533-40. Available from: PubMed; PMID 21888030
- Lau DC. Screening for diabetes in women with polycystic ovary syndrome. *CMAJ*. 2007 Mar 27;176(7):951-2. Available from: PubMed; PMID 17389444
- Lazaro I, Diaz M, Cabre A, Masana L, Ibanez L. Fatty acid-binding protein-4 plasma levels are associated to metabolic abnormalities and response to therapy in girls and young women with androgen excess. *Gynecol Endocrinol*. 2011 Nov;27(11):935-9. Available from: PubMed; PMID 21605000
- Lebinger TG. Metformin and polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2007 Apr;14(2):132-40. Available from: PubMed; PMID 17940431
- Leclair C, Patton PE. Advances in polycystic ovary syndrome treatment: metformin and ovarian diathermy. *Curr Womens Health Rep*. 2002 Oct;2(5):333-7. Available from: PubMed; PMID 12215305
- Ledger W. What to do about the polycystic ovary 'epidemic'. *Curr Opin Obstet Gynecol*. 2002 Jun;14(3):293-4. Available from: PubMed; PMID 12032385
- Lee F, Patel HR, Copland P, Kahn L. Fowler's syndrome: cause or consequence of insulin resistance? *BJU Int*. 2002 Jan;89(1):138. Available from: PubMed; PMID 11849180
- Lee AT, Zane LT. Dermatologic manifestations of polycystic ovary syndrome. *Am J Clin Dermatol*. 2007;8(4):201-19. Available from: PubMed; PMID 17645376
- Legro RS. Polycystic ovary syndrome: the new millennium. *Mol Cell Endocrinol*. 2001 Nov 26;184(1-2):87-93. Available from: PubMed; PMID 11694344
- Legro RS. Detection of insulin resistance and its treatment in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2002 Dec;15 Suppl 5:1367-78. Available from: PubMed; PMID 12510993
- Legro RS. Polycystic ovary syndrome. Long term sequelae and management. *Minerva Ginecol*. 2002 Apr;54(2):97-114. Available from: PubMed; PMID 12032449
- Legro RS, Urbanek M, Kunselman AR, Leiby BE, Dunaif A. Self-selected women with polycystic ovary syndrome are reproductively and metabolically abnormal and undertreated. *Fertil Steril*. 2002 Jul;78(1):51-7. Available from: PubMed; PMID 12095490
- Legro RS. Diagnostic criteria in polycystic ovary syndrome. *Semin Reprod Med*. 2003 Aug;21(3):267-75. Available from: PubMed; PMID 14593549
- Legro RS, Azziz R, Ehrmann D, Fereshetian AG, O'Keefe M, Ghazzi MN. Minimal response of circulating lipids in women with polycystic ovary syndrome to improvement in insulin sensitivity with troglitazone. *J Clin Endocrinol Metab*. 2003 Nov;88(11):5137-44. Available from: PubMed; PMID 14602740
- Legro RS, Castracane VD, Kauffman RP. Detecting insulin resistance in polycystic ovary syndrome: purposes and pitfalls. *Obstet Gynecol Surv*. 2004 Feb;59(2):141-54. Available from: PubMed; PMID 14752302
- Legro RS. Long-term, low-dose flutamide does not cause hepatotoxicity in hyperandrogenic women. *Nat Clin Pract Endocrinol Metab*. 2006 Apr;2(4):188-9. Available from: PubMed; PMID 16932279
- Legro RS, Azziz R, Giudice L. A twenty-first century research agenda for polycystic ovary syndrome. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):331-6. Available from: PubMed; PMID 16772161
- Legro RS. A 27-year-old woman with a diagnosis of polycystic ovary syndrome. *JAMA*. 2007 Feb 7;297(5):509-19. Available from: PubMed; PMID 17284701

Legro RS, Zaino RJ, Demers LM, Kunselman AR, Gnatuk CL, Williams NI, Dodson WC. The effects of metformin and rosiglitazone, alone and in combination, on the ovary and endometrium in polycystic ovary syndrome. *Am J Obstet Gynecol*. 2007 Apr;196(4):402 e1-10; discussion e10-1. Available from: PubMed; PMID 17403436

Legro RS. Impact of metformin, oral contraceptives, and lifestyle modification on polycystic ovary syndrome in obese adolescent women: do we need a new drug? *J Clin Endocrinol Metab*. 2008 Nov;93(11):4218-20. Available from: PubMed; PMID 18987279

Legro RS. Metformin during pregnancy in polycystic ovary syndrome: another vitamin bites the dust. *J Clin Endocrinol Metab*. 2010 Dec;95(12):5199-202. Available from: PubMed; PMID 21131540

Legro RS, Kunselman AR, Brzyski RG, Casson PR, Diamond MP, Schlaff WD, Christman GM, Coutifariz C, Taylor HS, Eisenberg E, Santoro N, Zhang H. The Pregnancy in Polycystic Ovary Syndrome II (PPCOS II) trial: rationale and design of a double-blind randomized trial of clomiphene citrate and letrozole for the treatment of infertility in women with polycystic ovary syndrome. *Contemp Clin Trials*. 2012 May;33(3):470-81. Available from: PubMed; PMID 22265923

Lemay A, Dodin S, Turcot L, Dechene F, Forest JC. Rosiglitazone and ethinyl estradiol/cyproterone acetate as single and combined treatment of overweight women with polycystic ovary syndrome and insulin resistance. *Hum Reprod*. 2006 Jan;21(1):121-8. Available from: PubMed; PMID 16199428

Lewandowski KC, Cajdler-Luba A, Bienkiewicz M, Lewinski A. Women with oligo-/amenorrhoea and polycystic ovaries have identical responses to GnRH stimulation regardless of their androgen status: comparison of the Rotterdam and Androgen Excess Society diagnostic criteria. *Neuro Endocrinol Lett*. 2011;32(6):847-56. Available from: PubMed; PMID 22286802

Lewy VD, Danadian K, Witchel SF, Arslanian S. Early metabolic abnormalities in adolescent girls with polycystic ovarian syndrome. *J Pediatr*. 2001 Jan;138(1):38-44. Available from: PubMed; PMID 11148510

Li Q, Huang DM, Lu FE, Xie Y, Xu LJ, Zou X, Gong D, Wang ZS. Effects of Bushen Tongmai Recipe on protein kinase B $\alpha$  expression in polycystic ovary rats with insulin resistance. *Chin J Integr Med*. 2010 Aug;16(4):324-30. Available from: PubMed; PMID 20697943

Li C, Cheng J, Wang J, Xue Y, Huang Z, Zhang S, Lv J. Prognostic value of total testosterone for pregnancy during treatment in patients with clomiphene-citrate-resistant polycystic ovary syndrome: a pilot study. *Arch Gynecol Obstet*. 2011 Sep;284(3):757-64. Available from: PubMed; PMID 21614496

Li S, He A, Yang J, Yin T, Xu W. A logistic regression analysis of factors related to the treatment compliance of infertile patients with polycystic ovary syndrome. *J Reprod Med*. 2011 Jul-Aug;56(7-8):325-32. Available from: PubMed; PMID 21838163

Li XJ, Yu YX, Liu CQ, Zhang W, Zhang HJ, Yan B, Wang LY, Yang SY, Zhang SH. Metformin vs thiazolidinediones for treatment of clinical, hormonal and metabolic characteristics of polycystic ovary syndrome: a meta-analysis. *Clin Endocrinol (Oxf)*. 2011 Mar;74(3):332-9. Available from: PubMed; PMID 21050251

Liang F, Koya D. Acupuncture: is it effective for treatment of insulin resistance? *Diabetes Obes Metab*. 2010 Jul;12(7):555-69. Available from: PubMed; PMID 20590731

Liao CC, Lin SY, Lin HW, Chen KH, Chang LH, Chen ST, Wang J. Menstrual abnormalities in a woman with ACTH-dependent pituitary macroadenoma mimicking polycystic ovary syndrome. *Taiwan J Obstet Gynecol*. 2006 Jun;45(2):176-9. Available from: PubMed; PMID 17197364

Liao LM, Nestic J, Chadwick PM, Brooke-Wavell K, Prelevic GM. Exercise and body image distress in overweight and obese women with polycystic ovary syndrome: a pilot investigation. *Gynecol Endocrinol*. 2008 Oct;24(10):555-61. Available from: PubMed; PMID 19012098

Liao L, Tian YJ, Zhao JJ, Xin Y, Xing HY, Dong JJ. Metformin versus metformin plus rosiglitazone in women with polycystic ovary syndrome. *Chin Med J (Engl)*. 2011 Mar;124(5):714-8. Available from: PubMed; PMID 21518564

Liepa GU, Sengupta A, Karsies D. Polycystic ovary syndrome (PCOS) and other androgen excess-related conditions: can changes in dietary intake make a difference? *Nutr Clin Pract*. 2008 Feb;23(1):63-71. Available from: PubMed; PMID 18203965

Lim SS, Clifton PM, Noakes M, Norman RJ. Obesity management in women with polycystic ovary syndrome. *Womens Health (Lond Engl)*. 2007 Jan;3(1):73-86. Available from: PubMed; PMID 19803867

Lindholm A, Bixo M, Bjorn I, Wolner-Hanssen P, Eliasson M, Larsson A, Johnson O, Poromaa IS. Effect of sibutramine on weight reduction in women with polycystic ovary syndrome: a randomized, double-blind, placebo-controlled trial. *Fertil Steril*. 2008 May;89(5):1221-8. Available from: PubMed; PMID 17603048

Liu KE, Tataryn IV, Sagle M. Use of metformin for ovulation induction in women who have polycystic ovary syndrome with or without evidence of insulin resistance. *J Obstet Gynaecol Can*. 2006 Jul;28(7):595-9. Available from: PubMed; PMID 16916482

- Livadas S, Boutzios G, Economou F, Alexandraki K, Xyrafis X, Christou M, Zerva A, Karachalios A, Tantalaki E, Diamanti-Kandarakis E. The effect of oral micronized progesterone on hormonal and metabolic parameters in anovulatory patients with polycystic ovary syndrome. *Fertil Steril*. 2010 Jun;94(1):242-6. Available from: PubMed; PMID 19409554
- Lobo RA. Priorities in polycystic ovary syndrome. *Med J Aust*. 2001 Jun 4;174(11):554-5. Available from: PubMed; PMID 11453323
- Lobo RA. Choice of treatment for women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S22-3. Available from: PubMed; PMID 16798280
- Lofgren E, Tapanainen JS, Koivunen R, Pakarinen A, Isojarvi JI. Effects of carbamazepine and oxcarbazepine on the reproductive endocrine function in women with epilepsy. *Epilepsia*. 2006 Sep;47(9):1441-6. Available from: PubMed; PMID 16981858
- Lofgren E, Mikkonen K, Tolonen U, Pakarinen A, Koivunen R, Myllyla VV, Tapanainen JS, Isojarvi JI. Reproductive endocrine function in women with epilepsy: the role of epilepsy type and medication. *Epilepsy Behav*. 2007 Feb;10(1):77-83. Available from: PubMed; PMID 17098479
- Lord J, Wilkin T. Polycystic ovary syndrome and fat distribution: the central issue? *Hum Fertil (Camb)*. 2002 May;5(2):67-71. Available from: PubMed; PMID 12082210
- Lord J, Wilkin T. Metformin in polycystic ovary syndrome. *Curr Opin Obstet Gynecol*. 2004 Dec;16(6):481-6. Available from: PubMed; PMID 15534444
- Lord J, Thomas R, Fox B, Acharya U, Wilkin T. The effect of metformin on fat distribution and the metabolic syndrome in women with polycystic ovary syndrome--a randomised, double-blind, placebo-controlled trial. *BJOG*. 2006 Jul;113(7):817-24. Available from: PubMed; PMID 16827766
- Lord JM, Norman R. Obesity, polycystic ovary syndrome, infertility treatment: lifestyle modification is paramount. *BMJ*. 2006 Mar 11;332(7541):609. Available from: PubMed; PMID 16528093
- Lorenz LB, Wild RA. Polycystic ovarian syndrome: an evidence-based approach to evaluation and management of diabetes and cardiovascular risks for today's clinician. *Clin Obstet Gynecol*. 2007 Mar;50(1):226-43. Available from: PubMed; PMID 17304038
- Loverro G, Lorusso F, De Pergola G, Nicolardi V, Mei L, Selvaggi L. Clinical and endocrinological effects of 6 months of metformin treatment in young hyperinsulinemic patients affected by polycystic ovary syndrome. *Gynecol Endocrinol*. 2002 Jun;16(3):217-24. Available from: PubMed; PMID 12192894
- Lowenstein EJ. Diagnosis and management of the dermatologic manifestations of the polycystic ovary syndrome. *Dermatol Ther*. 2006 Jul-Aug;19(4):210-23. Available from: PubMed; PMID 17004997
- Lu XE, Huang HF, Li MG, Zhu YM, Qiang YL, Dong MY. Resistin levels of serum and follicular fluid in non-obese patients with polycystic ovary syndrome during IVF cycles. *J Zhejiang Univ Sci B*. 2005 Sep;6(9):897-902. Available from: PubMed; PMID 16130192
- Luboshitzky R, Shen-Orr Z, Herer P, Nave R. Urinary 6-sulfatoxymelatonin excretion in hyperandrogenic women with polycystic ovary syndrome: the effect of ethinyl estradiol-cyproterone acetate treatment. *Gynecol Endocrinol*. 2003 Dec;17(6):441-7. Available from: PubMed; PMID 14992162
- Lucidi RS, Thyer AC, Easton CA, Holden AE, Schenken RS, Brzyski RG. Effect of chromium supplementation on insulin resistance and ovarian and menstrual cyclicality in women with polycystic ovary syndrome. *Fertil Steril*. 2005 Dec;84(6):1755-7. Available from: PubMed; PMID 16359984
- Luef G, Abraham I, Haslinger M, Trinkka E, Seppi K, Unterberger I, Alge A, Windisch J, Lechleitner M, Bauer G. Polycystic ovaries, obesity and insulin resistance in women with epilepsy. A comparative study of carbamazepine and valproic acid in 105 women. *J Neurol*. 2002 Jul;249(7):835-41. Available from: PubMed; PMID 12140666
- Luef G, Abraham I, Trinkka E, Alge A, Windisch J, Daxenbichler G, Unterberger I, Seppi K, Lechleitner M, Kramer G, Bauer G. Hyperandrogenism, postprandial hyperinsulinism and the risk of PCOS in a cross sectional study of women with epilepsy treated with valproate. *Epilepsy Res*. 2002 Jan;48(1-2):91-102. Available from: PubMed; PMID 11823113
- Lujan ME, Podolski AJ, Chizen DR, Lehotay DC, Pierson RA. Digit ratios by computer-assisted analysis confirm lack of anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Reprod Biol Endocrinol*. 2010;8:156. Available from: PubMed; PMID 21189149
- Lunde O, Tanbo T. Polycystic ovary syndrome: a follow-up study on diabetes mellitus, cardiovascular disease and malignancy 15-25 years after ovarian wedge resection. *Gynecol Endocrinol*. 2007 Dec;23(12):704-9. Available from: PubMed; PMID 18075845
- Lungu AO, Zadeh ES, Goodling A, Cochran E, Gorden P. Insulin resistance is a sufficient basis for hyperandrogenism in lipodystrophic women with polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2012 Feb;97(2):563-7. Available from: PubMed; PMID 22090274



- Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JI, Martinez-Bermejo E, Lasuncion MA, Escobar-Morreale HF. Comparison of ethinyl-estradiol plus cyproterone acetate versus metformin effects on classic metabolic cardiovascular risk factors in women with the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Jul;92(7):2453-61. Available from: PubMed; PMID 17426085
- Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JI, Sanchon R, San Millan JL, Escobar-Morreale HF. Increased body iron stores of obese women with polycystic ovary syndrome are a consequence of insulin resistance and hyperinsulinism and are not a result of reduced menstrual losses. *Diabetes Care.* 2007 Sep;30(9):2309-13. Available from: PubMed; PMID 17536071
- Luque-Ramirez M, Alvarez-Blasco F, Uriol Rivera MG, Escobar-Morreale HF. Serum uric acid concentration as non-classic cardiovascular risk factor in women with polycystic ovary syndrome: effect of treatment with ethinyl-estradiol plus cyproterone acetate versus metformin. *Hum Reprod.* 2008 Jul;23(7):1594-601. Available from: PubMed; PMID 18375410
- Luque-Ramirez M, Alvarez-Blasco F, Escobar-Morreale HF. Antiandrogenic contraceptives increase serum adiponectin in obese polycystic ovary syndrome patients. *Obesity (Silver Spring).* 2009 Jan;17(1):3-9. Available from: PubMed; PMID 18997670
- Luque-Ramirez M, Mendieta-Azcona C, del Rey Sanchez JM, Maties M, Escobar-Morreale HF. Effects of an antiandrogenic oral contraceptive pill compared with metformin on blood coagulation tests and endothelial function in women with the polycystic ovary syndrome: influence of obesity and smoking. *Eur J Endocrinol.* 2009 Mar;160(3):469-80. Available from: PubMed; PMID 19139031
- Luque-Ramirez M, Escobar-Morreale HF. Treatment of polycystic ovary syndrome (PCOS) with metformin ameliorates insulin resistance in parallel with the decrease of serum interleukin-6 concentrations. *Horm Metab Res.* 2010 Oct;42(11):815-20. Available from: PubMed; PMID 20730705
- Luque-Ramirez M, Alvarez-Blasco F, Alpanes M, Escobar-Morreale HF. Role of decreased circulating hepcidin concentrations in the iron excess of women with the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Mar;96(3):846-52. Available from: PubMed; PMID 21209031
- Lv L, Liu Y. Effect of rosiglitazone on endocrine, metabolism and ovulatory performance in patients with polycystic ovary syndrome and insulin resistance. *J Huazhong Univ Sci Technolog Med Sci.* 2004;24(5):480-2. Available from: PubMed; PMID 15641698
- Lv L, Liu Y, Sun Y, Tan K. Effects of metformin combined with cyproterone acetate on clinical features, endocrine and metabolism of non-obese women with polycystic ovarian syndrome. *J Huazhong Univ Sci Technolog Med Sci.* 2005;25(2):194-7. Available from: PubMed; PMID 16116971
- Lydic ML, McNurlan M, Bembo S, Mitchell L, Komaroff E, Gelato M. Chromium picolinate improves insulin sensitivity in obese subjects with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86(1):243-6. Available from: PubMed; PMID 16730719
- Ma F, Qiao L, Yue H, Xie S, Zhou X, Jiang M, Zhang W, Qi J, Wang L, Xu K. Homeostasis model assessment-insulin resistance (HOMA-IR), a key role for assessing the ovulation function in polycystic ovary syndrome (PCOS) patients with insulin resistance. *Endocr J.* 2008 Oct;55(5):943-5. Available from: PubMed; PMID 18552461
- Maciel GA, Soares Junior JM, Alves da Motta EL, Abi Haidar M, de Lima GR, Baracat EC. Nonobese women with polycystic ovary syndrome respond better than obese women to treatment with metformin. *Fertil Steril.* 2004 Feb;81(2):355-60. Available from: PubMed; PMID 14967373
- Mahesh VB. Hirsutism, virilism, polycystic ovarian disease, and the steroid-gonadotropin-feedback system: a career retrospective. *Am J Physiol Endocrinol Metab.* 2012 Jan 1;302(1):E4-E18. Available from: PubMed; PMID 22028409
- Mai K, Bobbert T, Reinecke F, Andres J, Maser-Gluth C, Wudy SA, Mohlig M, Weickert MO, Hartmann MF, Schulte HM, Diederich S, Pfeiffer AF, Spranger J. Intravenous lipid and heparin infusion-induced elevation in free fatty acids and triglycerides modifies circulating androgen levels in women: a randomized, controlled trial. *J Clin Endocrinol Metab.* 2008 Oct;93(10):3900-6. Available from: PubMed; PMID 18664538
- Majuri A, Santaniemi M, Rautio K, Kunnari A, Vartiainen J, Ruokonen A, Kesaniemi YA, Tapanainen JS, Ukkola O, Morin-Papunen L. Rosiglitazone treatment increases plasma levels of adiponectin and decreases levels of resistin in overweight women with PCOS: a randomized placebo-controlled study. *Eur J Endocrinol.* 2007 Feb;156(2):263-9. Available from: PubMed; PMID 17287417
- Mak W, Dokras A. Polycystic ovarian syndrome and the risk of cardiovascular disease and thrombosis. *Semin Thromb Hemost.* 2009 Oct;35(7):613-20. Available from: PubMed; PMID 20013528
- Maliqueo M, Sir-Petermann T, Salazar G, Perez-Bravo F, Recabarren SE, Wildt L. Resumption of ovarian function during lactational amenorrhoea in breastfeeding women with polycystic ovarian syndrome: metabolic aspects. *Hum Reprod.* 2001 Aug;16(8):1598-602. Available from: PubMed; PMID 11473949

- Maliqueo M, Atwater I, Lahsen R, Perez-Bravo F, Angel B, Sir-Petermann T. Proinsulin serum concentrations in women with polycystic ovary syndrome: a marker of beta-cell dysfunction? *Hum Reprod*. 2003 Dec;18(12):2683-8. Available from: PubMed; PMID 14645192
- Malkawi HY, Qublan HS. Laparoscopic ovarian drilling in the treatment of polycystic ovary syndrome: how many punctures per ovary are needed to improve the reproductive outcome? *J Obstet Gynaecol Res*. 2005 Apr;31(2):115-9. Available from: PubMed; PMID 15771636
- Manneras L, Cajander S, Holmang A, Seleskovic Z, Lystig T, Lonn M, Stener-Victorin E. A new rat model exhibiting both ovarian and metabolic characteristics of polycystic ovary syndrome. *Endocrinology*. 2007 Aug;148(8):3781-91. Available from: PubMed; PMID 17495003
- Manneras L, Jonsdottir IH, Holmang A, Lonn M, Stener-Victorin E. Low-frequency electro-acupuncture and physical exercise improve metabolic disturbances and modulate gene expression in adipose tissue in rats with dihydrotestosterone-induced polycystic ovary syndrome. *Endocrinology*. 2008 Jul;149(7):3559-68. Available from: PubMed; PMID 18388196
- Manneras L, Fazliana M, Wan Nazaimoon WM, Lonn M, Gu HF, Ostenson CG, Stener-Victorin E. Beneficial metabolic effects of the Malaysian herb *Labisia pumila* var. *alata* in a rat model of polycystic ovary syndrome. *J Ethnopharmacol*. 2010 Feb 3;127(2):346-51. Available from: PubMed; PMID 19883744
- Mantzoros CS, Cramer DW, Liberman RF, Barbieri RL. Predictive value of serum and follicular fluid leptin concentrations during assisted reproductive cycles in normal women and in women with the polycystic ovarian syndrome. *Hum Reprod*. 2000 Mar;15(3):539-44. Available from: PubMed; PMID 10686193
- Marciniak A, Nawrocka-Rutkowska J, Brodowska A, Sienkiewicz R, Szydłowska I, Starczewski A. Leptin concentrations in patients with polycystic ovary syndrome before and after met-formin treatment depending on insulin resistance, body mass index and androgen concentrations--introductory report. *Folia Histochem Cytobiol*. 2009;47(2):323-8. Available from: PubMed; PMID 19995720
- Markle ME. Polycystic ovary syndrome: implications for the advanced practice nurse in primary care. *J Am Acad Nurse Pract*. 2001 Apr;13(4):160-3. Available from: PubMed; PMID 11930528
- Marouliss GB, Triantafillidis IK. Polycystic ovarian disease: the adrenal connection. *Pediatr Endocrinol Rev*. 2006 Jan;3 Suppl 1:205-7. Available from: PubMed; PMID 16641861
- Marquard KL, Stephens SM, Jungheim ES, Ratts VS, Odem RR, Lanzendorf S, Moley KH. Polycystic ovary syndrome and maternal obesity affect oocyte size in vitro fertilization/intracytoplasmic sperm injection cycles. *Fertil Steril*. 2011 May;95(6):2146-9, 9 e1. Available from: PubMed; PMID 21071018
- Marsh K, Brand-Miller J. The optimal diet for women with polycystic ovary syndrome? *Br J Nutr*. 2005 Aug;94(2):154-65. Available from: PubMed; PMID 16115348
- Marsh KA, Steinbeck KS, Atkinson FS, Petocz P, Brand-Miller JC. Effect of a low glycemic index compared with a conventional healthy diet on polycystic ovary syndrome. *Am J Clin Nutr*. 2010 Jul;92(1):83-92. Available from: PubMed; PMID 20484445
- Marshall K. Polycystic ovary syndrome: clinical considerations. *Altern Med Rev*. 2001 Jun;6(3):272-92. Available from: PubMed; PMID 11410072
- Marshall JC, Dunaif A. Should all women with PCOS be treated for insulin resistance? *Fertil Steril*. 2012 Jan;97(1):18-22. Available from: PubMed; PMID 22192137
- Martinez-Bermejo E, Luque-Ramirez M, Escobar-Morreale HF. Obesity and the polycystic ovary syndrome. *Minerva Endocrinol*. 2007 Sep;32(3):129-40. Available from: PubMed; PMID 17912153
- Mascitelli L, Pezzetta F, Goldstein MR. Metformin in polycystic ovary syndrome. *N Engl J Med*. 2008 Apr 24;358(17):1867-8; author reply 8. Available from: PubMed; PMID 18437729
- Masharani U, Gjerde C, Evans JL, Youngren JF, Goldfine ID. Effects of controlled-release alpha lipoic acid in lean, nondiabetic patients with polycystic ovary syndrome. *J Diabetes Sci Technol*. 2010 Mar;4(2):359-64. Available from: PubMed; PMID 20307398
- Mastorakos G, Koliopoulos C, Creatsas G. Androgen and lipid profiles in adolescents with polycystic ovary syndrome who were treated with two forms of combined oral contraceptives. *Fertil Steril*. 2002 May;77(5):919-27. Available from: PubMed; PMID 12009344
- Mastorakos G, Koliopoulos C, Deligeoroglou E, Diamanti-Kandaraki E, Creatsas G. Effects of two forms of combined oral contraceptives on carbohydrate metabolism in adolescents with polycystic ovary syndrome. *Fertil Steril*. 2006 Feb;85(2):420-7. Available from: PubMed; PMID 16595221
- Mather KJ, Kwan F, Corenblum B. Hyperinsulinemia in polycystic ovary syndrome correlates with increased cardiovascular risk independent of obesity. *Fertil Steril*. 2000 Jan;73(1):150-6. Available from: PubMed; PMID 10632431
- Mathur R, Alexander CJ, Yano J, Trivax B, Azziz R. Use of metformin in polycystic ovary syndrome. *Am J Obstet*

Gynecol. 2008 Dec;199(6):596-609. Available from: PubMed; PMID 19084097

Mattle V, Bilgicildirim A, Hadziomerovic D, Ott HW, Zervomanolakis I, Leyendecker G, Wildt L. Polycystic ovarian disease unmasked by pulsatile GnRH therapy in a subgroup of women with hypothalamic amenorrhea. *Fertil Steril*. 2008 Feb;89(2):404-9. Available from: PubMed; PMID 17583701

Mavropoulos JC, Yancy WS, Hepburn J, Westman EC. The effects of a low-carbohydrate, ketogenic diet on the polycystic ovary syndrome: a pilot study. *Nutr Metab (Lond)*. 2005;2:35. Available from: PubMed; PMID 16359551

McCook JG, Reame NE, Thatcher SS. Health-related quality of life issues in women with polycystic ovary syndrome. *J Obstet Gynecol Neonatal Nurs*. 2005 Jan-Feb;34(1):12-20. Available from: PubMed; PMID 15673641

McCormick B, Thomas M, Maxwell R, Williams D, Aubuchon M. Effects of polycystic ovarian syndrome on in vitro fertilization-embryo transfer outcomes are influenced by body mass index. *Fertil Steril*. 2008 Dec;90(6):2304-9. Available from: PubMed; PMID 18191852

McCormick BA, Wilburn RD, Thomas MA, Williams DB, Maxwell R, Aubuchon M. Endometrial thickness predicts endometrial hyperplasia in patients with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun 30;95(8):2625-7. Available from: PubMed; PMID 21550041

McFarland C. Treating polycystic ovary syndrome and infertility. *MCN Am J Matern Child Nurs*. 2012 Mar-Apr;37(2):116-21. Available from: PubMed; PMID 22357073

McGee WK, Bishop CV, Bahar A, Pohl CR, Chang RJ, Marshall JC, Pau FK, Stouffer RL, Cameron JL. Elevated androgens during puberty in female rhesus monkeys lead to increased neuronal drive to the reproductive axis: a possible component of polycystic ovary syndrome. *Hum Reprod*. 2012 Feb;27(2):531-40. Available from: PubMed; PMID 22114112

McKittrick M. Diet and Polycystic Ovary Syndrome. *Nutr Today*. 2002 Mar-Apr;37(2):63-9. Available from: PubMed; PMID 11984435

Meenakumari KJ, Agarwal S, Krishna A, Pandey LK. Effects of metformin treatment on luteal phase progesterone concentration in polycystic ovary syndrome. *Braz J Med Biol Res*. 2004 Nov;37(11):1637-44. Available from: PubMed; PMID 15517078

Mehrabani HH, Salehpour S, Amiri Z, Farahani SJ, Meyer BJ, Tahbaz F. Beneficial effects of a high-protein, low-glycemic-load hypocaloric diet in overweight and obese women with polycystic ovary syndrome: a randomized controlled intervention study. *J Am Coll Nutr*. 2012

Apr;31(2):117-25. Available from: PubMed; PMID 22855917

Mehrabian F, Eessaei F. The laparoscopic ovarian electrocautery versus gonadotropin therapy in infertile women with clomiphene citrate-resistant polycystic ovary syndrome: a randomized controlled trial. *J Pak Med Assoc*. 2012 Mar;62(3 Suppl 2):S42-4. Available from: PubMed; PMID 22768457

Mehta RV, Malcom PJ, Chang RJ. The effect of androgen blockade on granulosa cell estradiol production after follicle-stimulating hormone stimulation in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Sep;91(9):3503-6. Available from: PubMed; PMID 16804036

Meldrum DR, Chang RJ, de Ziegler D, Schoolcraft WB, Scott RT, Jr., Pellicer A. Adjuncts for ovarian stimulation: when do we adopt "orphan indications" for approved drugs? *Fertil Steril*. 2009 Jul;92(1):13-8. Available from: PubMed; PMID 19423104

Meyer C, Talbot M, Teede H. Effect of Implanon on insulin resistance in women with Polycystic Ovary Syndrome. *Aust N Z J Obstet Gynaecol*. 2005 Apr;45(2):155-8. Available from: PubMed; PMID 15760320

Meyer C, McGrath BP, Teede HJ. Effects of medical therapy on insulin resistance and the cardiovascular system in polycystic ovary syndrome. *Diabetes Care*. 2007 Mar;30(3):471-8. Available from: PubMed; PMID 17327307

Meyers L. Women, polycystic ovary syndrome, and type 2--we are family. This "sister" you never knew you had may be wreaking havoc with your hormone and insulin levels. *Diabetes Forecast*. 2005 Dec;58(12):63-4, 6. Available from: PubMed; PMID 16378358

Michalakos KG, Segars JH. The role of adiponectin in reproduction: from polycystic ovary syndrome to assisted reproduction. *Fertil Steril*. 2010 Nov;94(6):1949-57. Available from: PubMed; PMID 20561616

Micic D, Sumarac-Dumanovic M, Macut D, Kendereski A, Zoric S, Popovic V, Cvijovic G, Dieguez C, Casanueva FF. Growth-hormone response to combined stimulation with GHRH plus GH-releasing peptide-6 in obese patients with polycystic ovary syndrome before and after short-term fasting. *J Endocrinol Invest*. 2003 Apr;26(4):333-40. Available from: PubMed; PMID 12841541

Micic D, Sumarac-Dumanovic M, Kendereski A, Cvijovic G, Zoric S, Pejkoic D, Micic J, Milic N, Dieguez C, Casanueva FF. Total ghrelin levels during acute insulin infusion in patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2007 Nov;30(10):820-7. Available from: PubMed; PMID 18075283

- Minozzi M, Costantino D, Guaraldi C, Unfer V. The effect of a combination therapy with myo-inositol and a combined oral contraceptive pill versus a combined oral contraceptive pill alone on metabolic, endocrine, and clinical parameters in polycystic ovary syndrome. *Gynecol Endocrinol*. 2011 Nov;27(11):920-4. Available from: PubMed; PMID 21417594
- Misso ML, Costello MF, Garrubba M, Wong J, Hart R, Rombauts L, Melder AM, Norman RJ, Teede HJ. Metformin versus clomiphene citrate for infertility in non-obese women with polycystic ovary syndrome: a systematic review and meta-analysis. *Hum Reprod Update*. 2012 Sep 6. Available from: PubMed; PMID 22956412
- Mitkov M, Pehlivanov B, Terzieva D. Combined use of metformin and ethinyl estradiol-cyproterone acetate in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2005 Feb 1;118(2):209-13. Available from: PubMed; PMID 15653205
- Mitkov M, Pehlivanov B, Terzieva D. Metformin versus rosiglitazone in the treatment of polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2006 May 1;126(1):93-8. Available from: PubMed; PMID 16360262
- Mitwally MF, Witchel SF, Casper RF. Troglitazone: a possible modulator of ovarian steroidogenesis. *J Soc Gynecol Investig*. 2002 May-Jun;9(3):163-7. Available from: PubMed; PMID 12009391
- Moggetti P, Castello R, Negri C, Tosi F, Perrone F, Caputo M, Zanolin E, Muggeo M. Metformin effects on clinical features, endocrine and metabolic profiles, and insulin sensitivity in polycystic ovary syndrome: a randomized, double-blind, placebo-controlled 6-month trial, followed by open, long-term clinical evaluation. *J Clin Endocrinol Metab*. 2000 Jan;85(1):139-46. Available from: PubMed; PMID 10634377
- Moggetti P. Use of antiandrogens as therapy for women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S30-1. Available from: PubMed; PMID 16798285
- Moll E, Korevaar JC, Bossuyt PM, van der Veen F. Does adding metformin to clomifene citrate lead to higher pregnancy rates in a subset of women with polycystic ovary syndrome? *Hum Reprod*. 2008 Aug;23(8):1830-4. Available from: PubMed; PMID 18487613
- Moncayo R, Moncayo H. Inadequate description of an acupuncture treatment study for polycystic ovaries. *Fertil Steril*. 2012 May;97(5):e20; author reply e1. Available from: PubMed; PMID 22445321
- Moran LJ, Noakes M, Clifton PM, Tomlinson L, Galletly C, Norman RJ. Dietary composition in restoring reproductive and metabolic physiology in overweight women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Feb;88(2):812-9. Available from: PubMed; PMID 12574218
- Moran LJ, Noakes M, Clifton PM, Wittert G, Tomlinson L, Galletly C, Luscombe N, Tomlinson L, Norman RJ. Ghrelin and measures of satiety are altered in polycystic ovary syndrome but not differentially affected by diet composition. *Asia Pac J Clin Nutr*. 2003;12 Suppl:S52. Available from: PubMed; PMID 15023670
- Moran C, Reyna R, Boots LS, Azziz R. Adrenocortical hyperresponsiveness to corticotropin in polycystic ovary syndrome patients with adrenal androgen excess. *Fertil Steril*. 2004 Jan;81(1):126-31. Available from: PubMed; PMID 14711555
- Moran L, Norman RJ. Understanding and managing disturbances in insulin metabolism and body weight in women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):719-36. Available from: PubMed; PMID 15380143
- Moran LJ, Noakes M, Clifton PM, Wittert GA, Tomlinson L, Galletly C, Luscombe ND, Norman RJ. Ghrelin and measures of satiety are altered in polycystic ovary syndrome but not differentially affected by diet composition. *J Clin Endocrinol Metab*. 2004 Jul;89(7):3337-44. Available from: PubMed; PMID 15240612
- Moran LJ, Brinkworth G, Noakes M, Norman RJ. Effects of lifestyle modification in polycystic ovarian syndrome. *Reprod Biomed Online*. 2006 May;12(5):569-78. Available from: PubMed; PMID 16790100
- Moran LJ, Noakes M, Clifton PM, Wittert GA, Williams G, Norman RJ. Short-term meal replacements followed by dietary macronutrient restriction enhance weight loss in polycystic ovary syndrome. *Am J Clin Nutr*. 2006 Jul;84(1):77-87. Available from: PubMed; PMID 16825684
- Moran LJ, Noakes M, Clifton PM, Wittert GA, Belobrajdic DP, Norman RJ. C-reactive protein before and after weight loss in overweight women with and without polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Aug;92(8):2944-51. Available from: PubMed; PMID 17504892
- Moran LJ, Noakes M, Clifton PM, Wittert GA, Le Roux CW, Ghatei MA, Bloom SR, Norman RJ. Postprandial ghrelin, cholecystokinin, peptide YY, and appetite before and after weight loss in overweight women with and without polycystic ovary syndrome. *Am J Clin Nutr*. 2007 Dec;86(6):1603-10. Available from: PubMed; PMID 18065576
- Moran C, Renteria JL, Moran S, Herrera J, Gonzalez S, Bermudez JA. Obesity differentially affects serum levels of androstenedione and testosterone in polycystic ovary syndrome. *Fertil Steril*. 2008 Dec;90(6):2310-7. Available from: PubMed; PMID 18163993
- Moran LJ, Brinkworth GD, Norman RJ. Dietary therapy in polycystic ovary syndrome. *Semin Reprod Med*. 2008

Jan;26(1):85-92. Available from: PubMed; PMID 18181086

Moran LJ, Noakes M, Clifton PM, Norman RJ, Fenech MF. Genome instability is increased in lymphocytes of women with polycystic ovary syndrome and is correlated with insulin resistance. *Mutat Res*. 2008 Mar 1;639(1-2):55-63. Available from: PubMed; PMID 18178226

Moran LJ, Pasquali R, Teede HJ, Hoeger KM, Norman RJ. Treatment of obesity in polycystic ovary syndrome: a position statement of the Androgen Excess and Polycystic Ovary Syndrome Society. *Fertil Steril*. 2009 Dec;92(6):1966-82. Available from: PubMed; PMID 19062007

Moran LJ, Lombard CB, Lim S, Noakes M, Teede HJ. Polycystic ovary syndrome and weight management. *Womens Health (Lond Engl)*. 2010 Mar;6(2):271-83. Available from: PubMed; PMID 20187731

Moran LJ, Meyer C, Hutchison SK, Zoungas S, Teede HJ. Novel inflammatory markers in overweight women with and without polycystic ovary syndrome and following pharmacological intervention. *J Endocrinol Invest*. 2010 Apr;33(4):258-65. Available from: PubMed; PMID 19834313

Moran LJ, Harrison CL, Hutchison SK, Stepto NK, Strauss BJ, Teede HJ. Exercise decreases anti-mullerian hormone in anovulatory overweight women with polycystic ovary syndrome: a pilot study. *Horm Metab Res*. 2011 Dec;43(13):977-9. Available from: PubMed; PMID 21989557

Moran LJ, Hutchison SK, Norman RJ, Teede HJ. Lifestyle changes in women with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2011 (7):CD007506. Available from: PubMed; PMID 21735412

Moran LJ, Hutchison SK, Norman RJ, Teede HJ. Lifestyle changes in women with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2011 (2):CD007506. Available from: PubMed; PMID 21328294

Morgante G, Orvieto R, Di Sabatino A, Musacchio MC, De Leo V. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):2642-4. Available from: PubMed; PMID 21300338

Morin-Papunen LC, Vauhkonen I, Koivunen RM, Ruokonen A, Martikainen HK, Tapanainen JS. Endocrine and metabolic effects of metformin versus ethinyl estradiol-cyproterone acetate in obese women with polycystic ovary syndrome: a randomized study. *J Clin Endocrinol Metab*. 2000 Sep;85(9):3161-8. Available from: PubMed; PMID 10999803

Morin-Papunen L, Rautio K, Ruokonen A, Hedberg P, Puukka M, Tapanainen JS. Metformin reduces serum C-

reactive protein levels in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Oct;88(10):4649-54. Available from: PubMed; PMID 14557435

Morin-Papunen L, Vauhkonen I, Koivunen R, Ruokonen A, Martikainen H, Tapanainen JS. Metformin versus ethinyl estradiol-cyproterone acetate in the treatment of nonobese women with polycystic ovary syndrome: a randomized study. *J Clin Endocrinol Metab*. 2003 Jan;88(1):148-56. Available from: PubMed; PMID 12519844

Morin-Papunen L, Rantala AS, Unkila-Kallio L, Tiitinen A, Hippelainen M, Perheentupa A, Tinkanen H, Bloigu R, Puukka K, Ruokonen A, Tapanainen JS. Metformin improves pregnancy and live-birth rates in women with polycystic ovary syndrome (PCOS): a multicenter, double-blind, placebo-controlled randomized trial. *J Clin Endocrinol Metab*. 2012 May;97(5):1492-500. Available from: PubMed; PMID 22419702

Moro C, Pasarica M, Elkind-Hirsch K, Redman LM. Aerobic exercise training improves atrial natriuretic peptide and catecholamine-mediated lipolysis in obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2009 Jul;94(7):2579-86. Available from: PubMed; PMID 19366845

Morrell MJ. Reproductive and metabolic disorders in women with epilepsy. *Epilepsia*. 2003;44 Suppl 4:11-20. Available from: PubMed; PMID 12823565

Morrell MJ, Hayes FJ, Sluss PM, Adams JM, Bhatt M, Ozkara C, Warnock CR, Isojarvi J. Hyperandrogenism, ovulatory dysfunction, and polycystic ovary syndrome with valproate versus lamotrigine. *Ann Neurol*. 2008 Aug;64(2):200-11. Available from: PubMed; PMID 18756476

Morteza Taghavi S, Rokni H, Fatemi S. Metformin decreases thyrotropin in overweight women with polycystic ovarian syndrome and hypothyroidism. *Diab Vasc Dis Res*. 2011 Jan;8(1):47-8. Available from: PubMed; PMID 21262871

Motta DA. Metformin in the treatment of polycystic ovary syndrome. *Curr Pharm Des*. 2008;14(21):2121-5. Available from: PubMed; PMID 18691121

Motta AB. Report of the international symposium: polycystic ovary syndrome: first Latin-American consensus. *Int J Clin Pract*. 2010 Apr;64(5):544-57. Available from: PubMed; PMID 20456209

Motta AB. Dehydroepiandrosterone to induce murine models for the study of polycystic ovary syndrome. *J Steroid Biochem Mol Biol*. 2010 Apr;119(3-5):105-11. Available from: PubMed; PMID 20188831

Motta AB. The role of obesity in the development of polycystic ovary syndrome. *Curr Pharm Des*.

2012;18(17):2482-91. Available from: PubMed; PMID 22376149

Moura HH, Costa DL, Bagatin E, Sodre CT, Manela-Azulay M. Polycystic ovary syndrome: a dermatologic approach. *An Bras Dermatol*. 2011 Jan-Feb;86(1):111-9. Available from: PubMed; PMID 21437531

Muderris, II, Boztosun A, Oner G, Bayram F. Effect of thyroid hormone replacement therapy on ovarian volume and androgen hormones in patients with untreated primary hypothyroidism. *Ann Saudi Med*. 2011 Mar-Apr;31(2):145-51. Available from: PubMed; PMID 21403408

Mulders AG, Laven JS, Imani B, Eijkemans MJ, Fauser BC. IVF outcome in anovulatory infertility (WHO group 2)--including polycystic ovary syndrome--following previous unsuccessful ovulation induction. *Reprod Biomed Online*. 2003 Jul-Aug;7(1):50-8. Available from: PubMed; PMID 12930574

Mulders AG, ten Kate-Booij M, Pal R, De Kruif M, Nekrui L, Oostra BA, Fauser BC, Laven JS. Influence of oral contraceptive pills on phenotype expression in women with polycystic ovary syndrome. *Reprod Biomed Online*. 2005 Dec;11(6):690-6. Available from: PubMed; PMID 16417732

Munson BL. Myths and facts...about polycystic ovarian syndrome. *Nursing*. 2002 Nov;32(11 Pt 1):78. Available from: PubMed; PMID 12518752

Muolokwu E, Sanchez J, Bercaw JL, Sangi-Haghpeykar H, Banszek T, Brandt ML, Dietrich JE. Paratubal cysts, obesity, and hyperandrogenism. *J Pediatr Surg*. 2011 Nov;46(11):2164-7. Available from: PubMed; PMID 22075351

Murray RD, Davison RM, Russell RC, Conway GS. Clinical presentation of PCOS following development of an insulinoma: case report. *Hum Reprod*. 2000 Jan;15(1):86-8. Available from: PubMed; PMID 10611194

Murray R. Polycystic ovary syndrome, obesity and insulin resistance: the new female triad. *Adv Nurse Pract*. 2004 Aug;12(8):22-35; quiz 6. Available from: PubMed; PMID 15354503

Murray R. PCOS. Uncovering polycystic ovary syndrome. *Diabetes Forecast*. 2004 May;57(5):82-6. Available from: PubMed; PMID 15132093

Nader S, Diamanti-Kandarakis E. Polycystic ovary syndrome, oral contraceptives and metabolic issues: new perspectives and a unifying hypothesis. *Hum Reprod*. 2007 Feb;22(2):317-22. Available from: PubMed; PMID 17099212

Nader S. Ovulation induction in polycystic ovary syndrome. *Minerva Ginecol*. 2008 Feb;60(1):53-61. Available from: PubMed; PMID 18277352

Nader S. Infertility and pregnancy in women with polycystic ovary syndrome. *Minerva Endocrinol*. 2010 Dec;35(4):211-25. Available from: PubMed; PMID 21178917

Nader S. Reproductive endocrinology: live birth prediction in polycystic ovary syndrome. *Nat Rev Endocrinol*. 2010 Feb;6(2):64-6. Available from: PubMed; PMID 20098444

Nafiye Y, Sevtap K, Muammer D, Emre O, Senol K, Leyla M. The effect of serum and intrafollicular insulin resistance parameters and homocysteine levels of nonobese, nonhyperandrogenemic polycystic ovary syndrome patients on in vitro fertilization outcome. *Fertil Steril*. 2010 Apr;93(6):1864-9. Available from: PubMed; PMID 19171332

Naka KK, Kalantaridou SN, Bechlioulis A, Kravariti M, Kazakos N, Katsouras CS, Tsatsoulis A, Michalis LK. Effect of ethinylestradiol/cyproterone acetate on endothelial function in young non-obese women with polycystic ovary syndrome: a pilot study. *Gynecol Endocrinol*. 2011 Sep;27(9):615-21. Available from: PubMed; PMID 21329419

Naka KK, Kalantaridou SN, Kravariti M, Bechlioulis A, Kazakos N, Calis KA, Makrigiannakis A, Katsouras CS, Chrousos GP, Tsatsoulis A, Michalis LK. Effect of the insulin sensitizers metformin and pioglitazone on endothelial function in young women with polycystic ovary syndrome: a prospective randomized study. *Fertil Steril*. 2011 Jan;95(1):203-9. Available from: PubMed; PMID 20684955

Nakamura A, Shimizu C, Nagai S, Taniguchi S, Umetsu M, Atsumi T, Wada N, Yoshioka N, Ono Y, Sasano H, Koike T. Unilateral adrenalectomy improves insulin resistance and polycystic ovaries in a middle-aged woman with virilizing adrenocortical adenoma complicated with Cushing's syndrome. *J Endocrinol Invest*. 2007 Jan;30(1):65-9. Available from: PubMed; PMID 17318025

Nardo LG, Rai R. Metformin therapy in the management of polycystic ovary syndrome: endocrine, metabolic and reproductive effects. *Gynecol Endocrinol*. 2001 Oct;15(5):373-80. Available from: PubMed; PMID 11727360

Nardo LG, Gelbaya TA. Evidence-based approach for the use of ultrasound in the management of polycystic ovary syndrome. *Minerva Ginecol*. 2008 Feb;60(1):83-9. Available from: PubMed; PMID 18277355

Narsing Rao L, Jacob JJ, Paul TV, Rajarathinam S, Thomas N, Seshadri MS. Effects of pioglitazone on menstrual frequency, hyperandrogenism and insulin resistance in adolescents and young adults with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2009 Apr;22(2):91-5. Available from: PubMed; PMID 19345914

- Navaratnarajah R, Pillay OC, Hardiman P. Polycystic ovary syndrome and endometrial cancer. *Semin Reprod Med.* 2008 Jan;26(1):62-71. Available from: PubMed; PMID 18181084
- Nawaz FH, Rizvi J. Continuation of metformin reduces early pregnancy loss in obese Pakistani women with polycystic ovarian syndrome. *Gynecol Obstet Invest.* 2010;69(3):184-9. Available from: PubMed; PMID 20029224
- Nawrocka J, Starczewski A. Effects of metformin treatment in women with polycystic ovary syndrome depends on insulin resistance. *Gynecol Endocrinol.* 2007 Apr;23(4):231-7. Available from: PubMed; PMID 17505944
- Nelson SM, Fleming RF. The preconception contraception paradigm: obesity and infertility. *Hum Reprod.* 2007 Apr;22(4):912-5. Available from: PubMed; PMID 17172282
- Nestler JE, Jakubowicz DJ, Luomo MJ. Role of inositolphosphoglycan mediators of insulin action in the polycystic ovary syndrome. *J Pediatr Endocrinol Metab.* 2000;13 Suppl 5:1295-8. Available from: PubMed; PMID 11117673
- Nestler JE. Should patients with polycystic ovarian syndrome be treated with metformin?: an enthusiastic endorsement. *Hum Reprod.* 2002 Aug;17(8):1950-3. Available from: PubMed; PMID 12151419
- Nestler JE, Stovall D, Akhter N, Luomo MJ, Jakubowicz DJ. Strategies for the use of insulin-sensitizing drugs to treat infertility in women with polycystic ovary syndrome. *Fertil Steril.* 2002 Feb;77(2):209-15. Available from: PubMed; PMID 11821072
- Nestler JE. Insulin resistance syndrome and polycystic ovary syndrome. *Endocr Pract.* 2003 Sep-Oct;9 Suppl 2:86-9. Available from: PubMed; PMID 14698983
- Nestler JE. The Androgen Excess Society guidelines on glucose intolerance in the polycystic ovary syndrome: what do they mean and what should we do? *Pol Arch Med Wewn.* 2008 May;118(5):264-6. Available from: PubMed; PMID 18619175
- Nestler JE. Metformin for the treatment of the polycystic ovary syndrome. *N Engl J Med.* 2008 Jan 3;358(1):47-54. Available from: PubMed; PMID 18172174
- Ng EH, Wat NM, Ho PC. Effects of metformin on ovulation rate, hormonal and metabolic profiles in women with clomiphene-resistant polycystic ovaries: a randomized, double-blinded placebo-controlled trial. *Hum Reprod.* 2001 Aug;16(8):1625-31. Available from: PubMed; PMID 11473953
- Nidhi R, Padmalatha V, Nagarathna R, Ram A. Effect of a yoga program on glucose metabolism and blood lipid levels in adolescent girls with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2012 Jul;118(1):37-41. Available from: PubMed; PMID 22507264
- Nordio M, Proietti E. The combined therapy with myo-inositol and D-chiro-inositol reduces the risk of metabolic disease in PCOS overweight patients compared to myo-inositol supplementation alone. *Eur Rev Med Pharmacol Sci.* 2012 May;16(5):575-81. Available from: PubMed; PMID 22774396
- Norman RJ. Obesity, polycystic ovary syndrome and anovulation--how are they interrelated? *Curr Opin Obstet Gynecol.* 2001 Jun;13(3):323-7. Available from: PubMed; PMID 11396658
- Norman RJ, Kidson WJ, Cuneo RC, Zacharin MR. Metformin and intervention in polycystic ovary syndrome. Endocrine Society of Australia, the Australian Diabetes Society and the Australian Paediatric Endocrine Group. *Med J Aust.* 2001 Jun 4;174(11):580-3. Available from: PubMed; PMID 11453331
- Norman RJ. Hyperandrogenaemia and the ovary. *Mol Cell Endocrinol.* 2002 May 31;191(1):113-9. Available from: PubMed; PMID 12044925
- Norman RJ, Davies MJ, Lord J, Moran LJ. The role of lifestyle modification in polycystic ovary syndrome. *Trends Endocrinol Metab.* 2002 Aug;13(6):251-7. Available from: PubMed; PMID 12128286
- Norman RJ, Wu R, Stankiewicz MT. 4: Polycystic ovary syndrome. *Med J Aust.* 2004 Feb 2;180(3):132-7. Available from: PubMed; PMID 14748678
- Norman RJ, Dewailly D, Legro RS, Hickey TE. Polycystic ovary syndrome. *Lancet.* 2007 Aug 25;370(9588):685-97. Available from: PubMed; PMID 17720020
- Nybacka A, Carlstrom K, Stahle A, Nyren S, Hellstrom PM, Hirschberg AL. Randomized comparison of the influence of dietary management and/or physical exercise on ovarian function and metabolic parameters in overweight women with polycystic ovary syndrome. *Fertil Steril.* 2011 Dec;96(6):1508-13. Available from: PubMed; PMID 21962963
- Oberfield SE. Metabolic lessons from the study of young adolescents with polycystic ovary syndrome--is insulin, indeed, the culprit? *J Clin Endocrinol Metab.* 2000 Oct;85(10):3520-5. Available from: PubMed; PMID 11061494
- O'Brien RF, Emans SJ. Polycystic ovary syndrome in adolescents. *J Pediatr Adolesc Gynecol.* 2008 Jun;21(3):119-28. Available from: PubMed; PMID 18549963
- O'Connor A, Gibney J, Roche HM. Metabolic and hormonal aspects of polycystic ovary syndrome: the impact

- of diet. *Proc Nutr Soc.* 2010 Nov;69(4):628-35. Available from: PubMed; PMID 20696094
- Ojaniemi M, Tapanainen P, Morin-Papunen L. Management of polycystic ovary syndrome in childhood and adolescence. *Horm Res Paediatr.* 2010;74(5):372-5. Available from: PubMed; PMID 20861609
- Okoroafor UC, Jungheim ES. Incorporating patient preference into the management of infertility in women with polycystic ovary syndrome. *Patient Prefer Adherence.* 2012;6:407-15. Available from: PubMed; PMID 22723725
- Oktenli C, Ozgurtas T, Dede M, Sanisoglu YS, Yenen MC, Yesilova Z, Kenar L, Kurt YG, Baser I, Smith J, Cianflone K. Metformin decreases circulating acylation-stimulating protein levels in polycystic ovary syndrome. *Gynecol Endocrinol.* 2007 Dec;23(12):710-5. Available from: PubMed; PMID 18075846
- Oliveira A, Sampaio B, Teixeira A, Castro-Correia C, Fontoura M, Luis Medina J. Polycystic ovary syndrome: challenges in adolescence. *Endocrinol Nutr.* 2010 Aug-Sep;57(7):328-36. Available from: PubMed; PMID 20708160
- Olszanecka-Glinianowicz M, Zahorska-Markiewicz B, Kocelak P, Janowska J, Semik-Grabarczyk E. The effect of weight loss on inflammation in obese women with polycystic ovary syndrome. *Endokrynol Pol.* 2008 Jan-Feb;59(1):13-7. Available from: PubMed; PMID 18335395
- Onalan G, Goktolga U, Ceyhan T, Bagis T, Onalan R, Pabuccu R. Predictive value of glucose-insulin ratio in PCOS and profile of women who will benefit from metformin therapy: obese, lean, hyper or normoinsulinemic? *Eur J Obstet Gynecol Reprod Biol.* 2005 Dec 1;123(2):204-11. Available from: PubMed; PMID 16316811
- Oner G, Muderris, II. Clinical, endocrine and metabolic effects of metformin vs N-acetyl-cysteine in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):127-31. Available from: PubMed; PMID 21831508
- Oppelt PG, Mueller A, Jentsch K, Kronawitter D, Reissmann C, Dittrich R, Beckmann MW, Cupisti S. The effect of metformin treatment for 2 years without caloric restriction on endocrine and metabolic parameters in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2010 Oct;118(9):633-7. Available from: PubMed; PMID 19998243
- Orbetzova MM, Pehlivanov BK, Mitkov MM, Atanassova IB, Kamenov ZA, Kolarov GB, Genchev GD. Effect of short-term standard therapeutic regimens on neuropeptide Y and adipose tissue hormones in overweight insulin-resistant women with polycystic ovary syndrome. *Folia Med (Plovdiv).* 2011 Jul-Sep;53(3):15-24. Available from: PubMed; PMID 22359978
- Orio F, Jr., Lucidi P, Palomba S, Tauchmanova L, Cascella T, Russo T, Zullo F, Colao A, Lombardi G, De Feo P. Circulating ghrelin concentrations in the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Feb;88(2):942-5. Available from: PubMed; PMID 12574237
- Orio F, Jr., Palomba S, Cascella T, Tauchmanova L, Di Biase S, Labella D, Russo T, Pellicano M, Savastano S, Zullo F, Lombardi G, Colao A. Adrenal adenoma and normal androgen levels in a young woman with polycystic ovaries: a case of idiopathic hirsutism? *J Endocrinol Invest.* 2004 Jan;27(1):61-6. Available from: PubMed; PMID 15053246
- Orio F, Jr., Palomba S, Cascella T, De Simone B, Manguso F, Savastano S, Russo T, Tolino A, Zullo F, Lombardi G, Azziz R, Colao A. Improvement in endothelial structure and function after metformin treatment in young normal-weight women with polycystic ovary syndrome: results of a 6-month study. *J Clin Endocrinol Metab.* 2005 Nov;90(11):6072-6. Available from: PubMed; PMID 16118336
- Orio F, Azziz R. Report on the Third Annual Meeting of the Androgen Excess Society, San Diego, California, June 3, 2005. *Fertil Steril.* 2006 Nov;86(5):1318-20. Available from: PubMed; PMID 17070190
- Orio F, Jr., Giallauria F, Palomba S, Cascella T, Manguso F, Vuolo L, Russo T, Tolino A, Lombardi G, Colao A, Vigorito C. Cardiopulmonary impairment in young women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 Aug;91(8):2967-71. Available from: PubMed; PMID 16757529
- Orio F, Manguso F, Di Biase S, Falbo A, Giallauria F, Labella D, Tolino A, Lombardi G, Colao A, Palomba S. Metformin administration improves leukocyte count in women with polycystic ovary syndrome: a 6-month prospective study. *Eur J Endocrinol.* 2007 Jul;157(1):69-73. Available from: PubMed; PMID 17609404
- Orio F, Giallauria F, Palomba S, Manguso F, Orio M, Tafuri D, Lombardi G, Carmina E, Colao A, Vigorito C. Metabolic and cardiopulmonary effects of detraining after a structured exercise training programme in young PCOS women. *Clin Endocrinol (Oxf).* 2008 Jun;68(6):976-81. Available from: PubMed; PMID 17980005
- Orsino A, Van Eyk N, Hamilton J. Clinical features, investigations and management of adolescents with polycystic ovary syndrome. *Paediatr Child Health.* 2005 Dec;10(10):602-8. Available from: PubMed; PMID 19668673
- Ortega-Gonzalez C, Cardoza L, Coutino B, Hidalgo R, Arteaga-Troncoso G, Parra A. Insulin sensitizing drugs increase the endogenous dopaminergic tone in obese insulin-resistant women with polycystic ovary syndrome. *J Endocrinol.* 2005 Jan;184(1):233-9. Available from: PubMed; PMID 15642799



- Ortega-Gonzalez C, Luna S, Hernandez L, Crespo G, Aguayo P, Arteaga-Troncoso G, Parra A. Responses of serum androgen and insulin resistance to metformin and pioglitazone in obese, insulin-resistant women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Mar;90(3):1360-5. Available from: PubMed; PMID 15598674
- Otta CF, Wior M, Iraci GS, Kaplan R, Torres D, Gaido MI, Wyse EP. Clinical, metabolic, and endocrine parameters in response to metformin and lifestyle intervention in women with polycystic ovary syndrome: a randomized, double-blind, and placebo control trial. *Gynecol Endocrinol.* 2010 Mar;26(3):173-8. Available from: PubMed; PMID 20148739
- Ozdemir S, Gorkemli H, Gezginc K, Ozdemir M, Kiyici A. Clinical and metabolic effects of medroxyprogesterone acetate and ethinyl estradiol plus drospirenone in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2008 Oct;103(1):44-9. Available from: PubMed; PMID 18635183
- Ozgun MT, Uludag S, Oner G, Batukan C, Aygen EM, Sahin Y. The influence of obesity on ICSI outcomes in women with polycystic ovary syndrome. *J Obstet Gynaecol.* 2011;31(3):245-9. Available from: PubMed; PMID 21417650
- Ozgurtas T, Oktenli C, Dede M, Tapan S, Kenar L, Sanisoglu SY, Yesilova Z, Yenen MC, Erbil MK, Baser I. Metformin and oral contraceptive treatments reduced circulating asymmetric dimethylarginine (ADMA) levels in patients with polycystic ovary syndrome (PCOS). *Atherosclerosis.* 2008 Oct;200(2):336-44. Available from: PubMed; PMID 18281049
- Ozkaya M, Cakal E, Ustun Y, Engin-Ustun Y. Effect of metformin on serum visfatin levels in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Feb;93(3):880-4. Available from: PubMed; PMID 19111298
- Pagan YL, Srouji SS, Jimenez Y, Emerson A, Gill S, Hall JE. Inverse relationship between luteinizing hormone and body mass index in polycystic ovarian syndrome: investigation of hypothalamic and pituitary contributions. *J Clin Endocrinol Metab.* 2006 Apr;91(4):1309-16. Available from: PubMed; PMID 16434454
- Pagotto U, Gambineri A, Vicennati V, Heiman ML, Tschop M, Pasquali R. Plasma ghrelin, obesity, and the polycystic ovary syndrome: correlation with insulin resistance and androgen levels. *J Clin Endocrinol Metab.* 2002 Dec;87(12):5625-9. Available from: PubMed; PMID 12466363
- Palep-Singh M, Mook K, Barth J, Balen A. An observational study of Yasmin in the management of women with polycystic ovary syndrome. *J Fam Plann Reprod Health Care.* 2004 Jul;30(3):163-5. Available from: PubMed; PMID 15222920
- Palomba S, Falbo A, Orio F, Jr., Manguso F, Russo T, Tolino A, Annamaria C, Dale B, Zullo F. A randomized controlled trial evaluating metformin pre-treatment and co-administration in non-obese insulin-resistant women with polycystic ovary syndrome treated with controlled ovarian stimulation plus timed intercourse or intrauterine insemination. *Hum Reprod.* 2005 Oct;20(10):2879-86. Available from: PubMed; PMID 15958399
- Palomba S, Falbo A, Orio F, Jr., Russo T, Sbano F, D'Alessandro P, Cariati F, Tolino A, Colao A, Zullo F. Efficacy of laparoscopic ovarian diathermy in clomiphene citrate-resistant women with polycystic ovary syndrome: relationships with chronological and ovarian age. *Gynecol Endocrinol.* 2006 Jun;22(6):329-35. Available from: PubMed; PMID 16785158
- Palomba S, Falbo A, Orio F, Jr., Russo T, Tolino A, Zullo F. Metformin hydrochloride and recurrent miscarriage in a woman with polycystic ovary syndrome. *Fertil Steril.* 2006 May;85(5):1511 e3-5. Available from: PubMed; PMID 16647382
- Palomba S, Orio F, Zullo F. Ovulation induction in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S26-7. Available from: PubMed; PMID 16798282
- Palomba S, Russo T, Orio F, Jr., Falbo A, Manguso F, Cascella T, Tolino A, Carmina E, Colao A, Zullo F. Uterine effects of metformin administration in anovulatory women with polycystic ovary syndrome. *Hum Reprod.* 2006 Feb;21(2):457-65. Available from: PubMed; PMID 16253975
- Palomba S, Falbo A, Russo T, Manguso F, Tolino A, Zullo F, De Feo P, Orio F, Jr. Insulin sensitivity after metformin suspension in normal-weight women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Aug;92(8):3128-35. Available from: PubMed; PMID 17519312
- Palomba S, Falbo A, Russo T, Orio F, Tolino A, Zullo F. Role of metformin in patients with polycystic ovary syndrome: the state of the art. *Minerva Ginecol.* 2008 Feb;60(1):77-82. Available from: PubMed; PMID 18277354
- Palomba S, Giallauria F, Falbo A, Russo T, Oppedisano R, Tolino A, Colao A, Vigorito C, Zullo F, Orio F. Structured exercise training programme versus hypocaloric hyperproteic diet in obese polycystic ovary syndrome patients with anovulatory infertility: a 24-week pilot study. *Hum Reprod.* 2008 Mar;23(3):642-50. Available from: PubMed; PMID 18158291
- Palomba S, Oppedisano R, Tolino A, Orio F, Zullo F. Outlook: metformin use in infertile patients with polycystic ovary syndrome: an evidence-based overview. *Reprod Biomed Online.* 2008 Mar;16(3):327-35. Available from: PubMed; PMID 18339252

- Palomba S, Falbo A, Zullo F, Orio F, Jr. Evidence-based and potential benefits of metformin in the polycystic ovary syndrome: a comprehensive review. *Endocr Rev.* 2009 Feb;30(1):1-50. Available from: PubMed; PMID 19056992
- Palomba S, Falbo A, Giallauria F, Russo T, Rocca M, Tolino A, Zullo F, Orio F. Six weeks of structured exercise training and hypocaloric diet increases the probability of ovulation after clomiphene citrate in overweight and obese patients with polycystic ovary syndrome: a randomized controlled trial. *Hum Reprod.* 2010 Nov;25(11):2783-91. Available from: PubMed; PMID 20858697
- Palomba S, Falbo A, Russo T, Orio F, Tolino A, Zullo F. Systemic and local effects of metformin administration in patients with polycystic ovary syndrome (PCOS): relationship to the ovulatory response. *Hum Reprod.* 2010 Apr;25(4):1005-13. Available from: PubMed; PMID 20106839
- Palomba S, Falbo A, Russo T, Rivoli L, Orio M, Cosco AG, Vero R, Capula C, Tolino A, Zullo F, Colao A, Orio F. The risk of a persistent glucose metabolism impairment after gestational diabetes mellitus is increased in patients with polycystic ovary syndrome. *Diabetes Care.* 2012 Apr;35(4):861-7. Available from: PubMed; PMID 22338097
- Panidis DK, Rousso DH, Matalliotakis IM, Kourtis AI, Stamatopoulos P, Koumantakis E. The influence of long-term administration of conjugated estrogens and antiandrogens to serum leptin levels in women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2000 Jun;14(3):169-72. Available from: PubMed; PMID 10923277
- Panidis D, Farmakiotis D. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 May 10;356(19):1999; author reply 2000-1. Available from: PubMed; PMID 17494937
- Panidis D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Krassas G. Obesity, weight loss, and the polycystic ovary syndrome: effect of treatment with diet and orlistat for 24 weeks on insulin resistance and androgen levels. *Fertil Steril.* 2008 Apr;89(4):899-906. Available from: PubMed; PMID 17980364
- Panidis D, Georgopoulos NA, Piouka A, Katsikis I, Saltamavros AD, Decavalas G, Diamanti-Kandarakis E. The impact of oral contraceptives and metformin on anti-Mullerian hormone serum levels in women with polycystic ovary syndrome and biochemical hyperandrogenemia. *Gynecol Endocrinol.* 2011 Aug;27(8):587-92. Available from: PubMed; PMID 20836726
- Papaioannou S, Tzafettas J. Anovulation with or without PCO, hyperandrogenaemia and hyperinsulinaemia as promoters of endometrial and breast cancer. *Best Pract Res Clin Obstet Gynaecol.* 2010 Feb;24(1):19-27. Available from: PubMed; PMID 19264556
- Papaleo E. Inositol effects on ovulation induction in patients with polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):e47; author reply e9. Available from: PubMed; PMID 21496806
- Paradisi G, Steinberg HO, Shepard MK, Hook G, Baron AD. Troglitazone therapy improves endothelial function to near normal levels in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Feb;88(2):576-80. Available from: PubMed; PMID 12574183
- Parsanezhad ME, Alborzi S, Zarei A, Dehbashi S, Omrani G. Insulin resistance in clomiphene responders and non-responders with polycystic ovarian disease and therapeutic effects of metformin. *Int J Gynaecol Obstet.* 2001 Oct;75(1):43-50. Available from: PubMed; PMID 11597618
- Pasquali R, Gambineri A, Biscotti D, Vicennati V, Gagliardi L, Colitta D, Fiorini S, Cognigni GE, Filicori M, Morselli-Labate AM. Effect of long-term treatment with metformin added to hypocaloric diet on body composition, fat distribution, and androgen and insulin levels in abdominally obese women with and without the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2000 Aug;85(8):2767-74. Available from: PubMed; PMID 10946879
- Pasquali R, Pelusi C, Ragazzini C, Hasanaj R, Gambineri A. Glucose tolerance, insulin secretion and insulin sensitivity in polycystic ovary syndrome. *JOP.* 2002 Jan;3(1):1-7. Available from: PubMed; PMID 11884761
- Pasquali R, Gambineri A. Role of changes in dietary habits in polycystic ovary syndrome. *Reprod Biomed Online.* 2004 Apr;8(4):431-9. Available from: PubMed; PMID 15149567
- Pasquali R, Gambineri A. Insulin-sensitizing agents in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S28-9. Available from: PubMed; PMID 16798283
- Pasquali R, Gambineri A. Insulin-sensitizing agents in polycystic ovary syndrome. *Eur J Endocrinol.* 2006 Jun;154(6):763-75. Available from: PubMed; PMID 16728533
- Pasquali R, Gambineri A. Targeting insulin sensitivity in the treatment of polycystic ovary syndrome. *Expert Opin Ther Targets.* 2009 Oct;13(10):1205-26. Available from: PubMed; PMID 19650762
- Patel K, Coffler MS, Dahan MH, Yoo RY, Lawson MA, Malcom PJ, Chang RJ. Increased luteinizing hormone secretion in women with polycystic ovary syndrome is unaltered by prolonged insulin infusion. *J Clin Endocrinol Metab.* 2003 Nov;88(11):5456-61. Available from: PubMed; PMID 14602789
- Patel SM, Nestler JE. Fertility in polycystic ovary syndrome. *Endocrinol Metab Clin North Am.* 2006

Mar;35(1):137-55, vii. Available from: PubMed; PMID 16310646

Pauli S, Lobo RA. Polycystic ovary syndrome after menopause: a case report. *J Reprod Med.* 2004 Jun;49(6):491-4. Available from: PubMed; PMID 15283061

Pawelczyk L, Spaczynski RZ, Banaszewska B, Duleba AJ. Metformin therapy increases insulin-like growth factor binding protein-1 in hyperinsulinemic women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Apr 15;113(2):209-13. Available from: PubMed; PMID 15063962

Peacock A, Alvi NS, Mushtaq T. Period problems: disorders of menstruation in adolescents. *Arch Dis Child.* 2012 Jun;97(6):554-60. Available from: PubMed; PMID 20576661

Pelletier L, Baillargeon JP. Clinically significant and sustained weight loss is achievable in obese women with polycystic ovary syndrome followed in a regular medical practice. *Fertil Steril.* 2010 Dec;94(7):2665-9. Available from: PubMed; PMID 20356579

Pelusi C, Pasquali R. Polycystic ovary syndrome in adolescents: pathophysiology and treatment implications. *Treat Endocrinol.* 2003;2(4):215-30. Available from: PubMed; PMID 15966558

Penna IA, Canella PR, Reis RM, Silva de Sa MF, Ferriani RA. Acarbose in obese patients with polycystic ovarian syndrome: a double-blind, randomized, placebo-controlled study. *Hum Reprod.* 2005 Sep;20(9):2396-401. Available from: PubMed; PMID 16006454

Pereira M, Jr., Vidotti DB, Borra RC, Simoes Mde J, Da Silva ID, Haidar MA. Involvement of GDF-9, leptin, and IGF1 receptors associated with adipose tissue transplantation on fertility restoration in obese anovulatory mice. *Gynecol Endocrinol.* 2011 Oct;27(10):759-66. Available from: PubMed; PMID 21557698

Pfeifer SM, Dayal M. Treatment of the adolescent patient with polycystic ovary syndrome. *Obstet Gynecol Clin North Am.* 2003 Jun;30(2):337-52. Available from: PubMed; PMID 12836724

Pfeifer SM. Polycystic ovary syndrome in adolescent girls. *Semin Pediatr Surg.* 2005 May;14(2):111-7. Available from: PubMed; PMID 15846568

Pfeifer SM, Kives S. Polycystic ovary syndrome in the adolescent. *Obstet Gynecol Clin North Am.* 2009 Mar;36(1):129-52. Available from: PubMed; PMID 19344852

Pham T, Scofield RH. 13-cis-Retinoic acid (isotretinoin) unmasking of clinical polycystic ovary syndrome. *Endocr Pract.* 2007 Nov-Dec;13(7):776-9. Available from: PubMed; PMID 18194936

Phelan N, O'Connor A, Kyaw Tun T, Correia N, Boran G, Roche HM, Gibney J. Hormonal and metabolic effects of polyunsaturated fatty acids in young women with polycystic ovary syndrome: results from a cross-sectional analysis and a randomized, placebo-controlled, crossover trial. *Am J Clin Nutr.* 2011 Mar;93(3):652-62. Available from: PubMed; PMID 21270384

Phipps WR. Polycystic ovary syndrome and ovulation induction. *Obstet Gynecol Clin North Am.* 2001 Mar;28(1):165-82. Available from: PubMed; PMID 11293001

Pirwany I, Tulandi T. Laparoscopic treatment of polycystic ovaries: is it time to relinquish the procedure? *Fertil Steril.* 2003 Aug;80(2):241-51. Available from: PubMed; PMID 12909478

Plati E, Kouskouni E, Malamitsi-Puchner A, Boutsikou M, Kaparos G, Baka S. Visfatin and leptin levels in women with polycystic ovaries undergoing ovarian stimulation. *Fertil Steril.* 2010 Sep;94(4):1451-6. Available from: PubMed; PMID 19523615

Plosker SM. Polycystic ovary syndrome and insulin resistance. *Med Health R I.* 2003 Jan;86(1):12-5. Available from: PubMed; PMID 12633015

Popovska-Dimova Z, Krstevska B. The frequency of insulin resistance calculated upon the basis of a fasting glucose to insulin ratio and characteristics of insulin resistant women with polycystic ovary syndrome. *Prilozi.* 2006 Jul;27(1):87-95. Available from: PubMed; PMID 16985482

Pourmaras DJ, Manning L, Bidgood K, Fender GR, Mahon D, Welbourn R. Polycystic ovary syndrome is common in patients undergoing bariatric surgery in a British center. *Fertil Steril.* 2010 Jul;94(2):e41; author reply e2. Available from: PubMed; PMID 20553676

Preiss D, Sattar N, Harborne L, Norman J, Fleming R. The effects of 8 months of metformin on circulating GGT and ALT levels in obese women with polycystic ovarian syndrome. *Int J Clin Pract.* 2008 Sep;62(9):1337-43. Available from: PubMed; PMID 18565127

Puurunen J, Piltonen T, Morin-Papunen L, Perheentupa A, Jarvela I, Ruokonen A, Tapanainen JS. Unfavorable hormonal, metabolic, and inflammatory alterations persist after menopause in women with PCOS. *J Clin Endocrinol Metab.* 2011 Jun;96(6):1827-34. Available from: PubMed; PMID 21450988

Qu F, Wang FF, Lu XE, Dong MY, Sheng JZ, Lv PP, Ding GL, Shi BW, Zhang D, Huang HF. Altered aquaporin expression in women with polycystic ovary syndrome: hyperandrogenism in follicular fluid inhibits aquaporin-9 in granulosa cells through the phosphatidylinositol 3-kinase pathway. *Hum Reprod.* 2010 Jun;25(6):1441-50. Available from: PubMed; PMID 20378617

Qublan HS, Yannakoula EK, Al-Qudah MA, El-Uri FI. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovary syndrome. A prospective comparative study. *Saudi Med J*. 2007 Nov;28(11):1694-9. Available from: PubMed; PMID 17965792

Rachon D, Teede H. Ovarian function and obesity--interrelationship, impact on women's reproductive lifespan and treatment options. *Mol Cell Endocrinol*. 2010 Mar 25;316(2):172-9. Available from: PubMed; PMID 19818376

Rachon D. Differential diagnosis of hyperandrogenism in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2012 Apr;120(4):205-9. Available from: PubMed; PMID 22421986

Radosh L. Drug treatments for polycystic ovary syndrome. *Am Fam Physician*. 2009 Apr 15;79(8):671-6. Available from: PubMed; PMID 19405411

Rager KM, Omar HA. Androgen excess disorders in women: the severe insulin-resistant hyperandrogenic syndrome, HAIR-AN. *ScientificWorldJournal*. 2006;6:116-21. Available from: PubMed; PMID 16435040

Rajagopal G, Reddy AP, Venkata Harinarayan C, Suresh V, Bitla A, S PVLNR, Sachan A. Effect of lifestyle modification and metformin therapy on emerging cardiovascular risk factors in overweight Indian women with polycystic ovary syndrome. *Metab Syndr Relat Disord*. 2012 Aug;10(4):273-9. Available from: PubMed; PMID 22468948

Raja-Khan N, Kunselman AR, Hogeman CS, Stetter CM, Demers LM, Legro RS. Effects of atorvastatin on vascular function, inflammation, and androgens in women with polycystic ovary syndrome: a double-blind, randomized, placebo-controlled trial. *Fertil Steril*. 2011 Apr;95(5):1849-52. Available from: PubMed; PMID 21144505

Raja-Khan N, Stener-Victorin E, Wu X, Legro RS. The physiological basis of complementary and alternative medicines for polycystic ovary syndrome. *Am J Physiol Endocrinol Metab*. 2011 Jul;301(1):E1-E10. Available from: PubMed; PMID 21487075

Rajkhowa M, Glass MR, Rutherford AJ, Michelmore K, Balen AH. Polycystic ovary syndrome: a risk factor for cardiovascular disease? *BJOG*. 2000 Jan;107(1):11-8. Available from: PubMed; PMID 10645855

Randeva HS, Lewandowski KC, Drzewoski J, Brooke-Wavell K, O'Callaghan C, Czupryniak L, Hillhouse EW, Prelevic GM. Exercise decreases plasma total homocysteine in overweight young women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Oct;87(10):4496-501. Available from: PubMed; PMID 12364425

Rasgon NL, Altshuler LL, Gudeman D, Burt VK, Tanavoli S, Hendrick V, Korenman S. Medication status and polycystic ovary syndrome in women with bipolar disorder: a preliminary report. *J Clin Psychiatry*. 2000 Mar;61(3):173-8. Available from: PubMed; PMID 10817101

Rasgon NL, Carter MS, Elman S, Bauer M, Love M, Korenman SG. Common treatment of polycystic ovarian syndrome and major depressive disorder: case report and review. *Curr Drug Targets Immune Endocr Metabol Disord*. 2002 Apr;2(1):97-102. Available from: PubMed; PMID 12477299

Rashidi B, Abediasl J, Tehraninejad E, Rahmanpour H, Sills ES. Simvastatin effects on androgens, inflammatory mediators, and endogenous pituitary gonadotropins among patients with PCOS undergoing IVF: results from a prospective, randomized, placebo-controlled clinical trial. *J Investig Med*. 2011 Aug;59(6):912-6. Available from: PubMed; PMID 21527854

Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Effects of metformin and ethinyl estradiol-cyproterone acetate on lipid levels in obese and non-obese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2005 Feb;152(2):269-75. Available from: PubMed; PMID 15745936

Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Endocrine and metabolic effects of rosiglitazone in overweight women with PCOS: a randomized placebo-controlled study. *Hum Reprod*. 2006 Jun;21(6):1400-7. Available from: PubMed; PMID 16501039

Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Rosiglitazone treatment alleviates inflammation and improves liver function in overweight women with polycystic ovary syndrome: a randomized placebo-controlled study. *Fertil Steril*. 2007 Jan;87(1):202-6. Available from: PubMed; PMID 17074328

Raval AD, Hunter T, Stuckey B, Hart RJ. Statins for women with polycystic ovary syndrome not actively trying to conceive. *Cochrane Database Syst Rev*. 2011 (10):CD008565. Available from: PubMed; PMID 21975784

Reckelhoff JF. Polycystic ovary syndrome: androgens and hypertension. *Hypertension*. 2007 Jun;49(6):1220-1. Available from: PubMed; PMID 17389256

Repaci A, Gambineri A, Pasquali R. The role of low-grade inflammation in the polycystic ovary syndrome. *Mol Cell Endocrinol*. 2011 Mar 15;335(1):30-41. Available from: PubMed; PMID 20708064

Rezvanfar MA, Rezvanfar MA, Ahmadi A, Shojaei-Saadi HA, Baeri M, Abdollahi M. Molecular mechanisms of a novel selenium-based complementary medicine which confers protection against hyperandrogenism-induced

polycystic ovary. *Theriogenology*. 2012 Aug;78(3):620-31. Available from: PubMed; PMID 22541319

Rezvanian H, Adibi N, Siavash M, Kachuei A, Shojaee-Moradie F, Asilian A. Increased insulin sensitivity by metformin enhances intense-pulsed-light-assisted hair removal in patients with polycystic ovary syndrome. *Dermatology*. 2009;218(3):231-6. Available from: PubMed; PMID 19092235

Rice S, Christoforidis N, Gadd C, Nikolaou D, Seyani L, Donaldson A, Margara R, Hardy K, Franks S. Impaired insulin-dependent glucose metabolism in granulosa-lutein cells from anovulatory women with polycystic ovaries. *Hum Reprod*. 2005 Feb;20(2):373-81. Available from: PubMed; PMID 15539436

Rizzo P, Raffone E. Comments on the role of inositol supplementation in patients with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):e48; author reply e9. Available from: PubMed; PMID 21496811

Robinson K. 'Off-label' use of metformin warranted. *Adv Nurse Pract*. 2001 Mar;9(3):21. Available from: PubMed; PMID 12400319

Rofey DL, Szigethy EM, Noll RB, Dahl RE, Lobst E, Arslanian SA. Cognitive-behavioral therapy for physical and emotional disturbances in adolescents with polycystic ovary syndrome: a pilot study. *J Pediatr Psychol*. 2009 Mar;34(2):156-63. Available from: PubMed; PMID 18556675

Roldan B, San Millan JL, Escobar-Morreale HF. Genetic basis of metabolic abnormalities in polycystic ovary syndrome: implications for therapy. *Am J Pharmacogenomics*. 2004;4(2):93-107. Available from: PubMed; PMID 15059032

Romualdi D, Guido M, Ciampelli M, Giuliani M, Leoni F, Perri C, Lanzone A. Selective effects of pioglitazone on insulin and androgen abnormalities in normo- and hyperinsulinaemic obese patients with polycystic ovary syndrome. *Hum Reprod*. 2003 Jun;18(6):1210-8. Available from: PubMed; PMID 12773448

Romualdi D, Giuliani M, Draisci G, Costantini B, Cristello F, Lanzone A, Guido M. Pioglitazone reduces the adrenal androgen response to corticotropin-releasing factor without changes in ACTH release in hyperinsulinemic women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jul;88(1):131-8. Available from: PubMed; PMID 17336978

Romualdi D, Campagna G, Selvaggi L, Jr., Cento R, Proto C, Lanzone A, Guido M. Metformin treatment does not affect total leptin levels and free leptin index in obese patients with polycystic ovary syndrome. *Fertil Steril*. 2008 May;89(5):1273-6. Available from: PubMed; PMID 17658527

Romualdi D, Costantini B, Campagna G, Lanzone A, Guido M. Is there a role for soy isoflavones in the

therapeutic approach to polycystic ovary syndrome? Results from a pilot study. *Fertil Steril*. 2008 Nov;90(5):1826-33. Available from: PubMed; PMID 18166189

Romualdi D, Costantini B, Selvaggi L, Giuliani M, Cristello F, Macri F, Bompiani A, Lanzone A, Guido M. Metformin improves endothelial function in normoinsulinemic PCOS patients: a new prospective. *Hum Reprod*. 2008 Sep;23(9):2127-33. Available from: PubMed; PMID 18567896

Romualdi D, De Marinis L, Campagna G, Proto C, Lanzone A, Guido M. Alteration of ghrelin-neuropeptide Y network in obese patients with polycystic ovary syndrome: role of hyperinsulinism. *Clin Endocrinol (Oxf)*. 2008 Oct;69(4):562-7. Available from: PubMed; PMID 18248643

Romualdi D, De Cicco S, Tagliaferri V, Proto C, Lanzone A, Guido M. The metabolic status modulates the effect of metformin on the antimüllerian hormone-androgens-insulin interplay in obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 May;96(5):E821-4. Available from: PubMed; PMID 21307134

Rosencrantz MA, Coffler MS, Haggan A, Duke KB, Donohue MC, Shayya RF, Su HI, Chang RJ. Clinical evidence for predominance of delta-5 steroid production in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Apr;96(4):1106-13. Available from: PubMed; PMID 21270326

Rosenfield RL. What every physician should know about polycystic ovary syndrome. *Dermatol Ther*. 2008 Sep-Oct;21(5):354-61. Available from: PubMed; PMID 18844713

Rosenfield RL, Mortensen M, Wroblewski K, Littlejohn E, Ehrmann DA. Determination of the source of androgen excess in functionally atypical polycystic ovary syndrome by a short dexamethasone androgen-suppression test and a low-dose ACTH test. *Hum Reprod*. 2011 Nov;26(11):3138-46. Available from: PubMed; PMID 21908468

Sabuncu T, Harma M, Harma M, Nazligul Y, Kilic F. Sibutramine has a positive effect on clinical and metabolic parameters in obese patients with polycystic ovary syndrome. *Fertil Steril*. 2003 Nov;80(5):1199-204. Available from: PubMed; PMID 14607575

Sagsoz N, Orbak Z, Noyan V, Yucel A, Ucar B, Yildiz L. The effects of oral contraceptives including low-dose estrogen and drospirenone on the concentration of leptin and ghrelin in polycystic ovary syndrome. *Fertil Steril*. 2009 Aug;92(2):660-6. Available from: PubMed; PMID 18973889

Saha L, Kaur S, Saha PK. Pharmacotherapy of polycystic ovary syndrome--an update. *Fundam Clin Pharmacol*. 2012 Feb;26(1):54-62. Available from: PubMed; PMID 21210850

Sahin I, Serter R, Karakurt F, Demirbas B, Guler S, Culha C, Taskapan C, Aral Y. Leptin levels increase during flutamide therapy in women with polycystic ovary syndrome. *Horm Res.* 2003;60(5):232-6. Available from: PubMed; PMID 14614228

Sahin I, Serter R, Karakurt F, Demirbas B, Culha C, Taskapan C, Kosar F, Aral Y. Metformin versus flutamide in the treatment of metabolic consequences of non-obese young women with polycystic ovary syndrome: a randomized prospective study. *Gynecol Endocrinol.* 2004 Sep;19(3):115-24. Available from: PubMed; PMID 15697072

Sahin Y, Yirmibes U, Kelestimur F, Aygen E. The effects of metformin on insulin resistance, clomiphene-induced ovulation and pregnancy rates in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Apr 15;113(2):214-20. Available from: PubMed; PMID 15063963

Sahin Y, Unluhizarci K, Yilmazsoy A, Yikilmaz A, Aygen E, Kelestimur F. The effects of metformin on metabolic and cardiovascular risk factors in nonobese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2007 Dec;67(6):904-8. Available from: PubMed; PMID 17666089

Saleh A, Morris D, Tan SL, Tulandi T. Effects of laparoscopic ovarian drilling on adrenal steroids in polycystic ovary syndrome patients with and without hyperinsulinemia. *Fertil Steril.* 2001 Mar;75(3):501-4. Available from: PubMed; PMID 11239531

Saleh AM, Khalil HS. Review of nonsurgical and surgical treatment and the role of insulin-sensitizing agents in the management of infertile women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2004 Jul;83(7):614-21. Available from: PubMed; PMID 15225184

Salobir B, Prezelj J, Kocijancic A, Meden-Vrtovec H. Basal glucose level as an independent predictor of fertilization rate in patients without polycystic ovary syndrome included in an in-vitro fertilization program. *Wien Klin Wochenschr.* 2002 Jun 28;114(12):454-7. Available from: PubMed; PMID 12422580

Samraj GP, Kuritzky L. Polycystic ovary syndrome [PCOS]: comprehensive management in primary care. *Compr Ther.* 2002 Fall;28(3):208-21. Available from: PubMed; PMID 12360633

Sanchez LA, Perez M, Centeno I, David M, Kahi D, Gutierrez E. Determining the time androgens and sex hormone-binding globulin take to return to baseline after discontinuation of oral contraceptives in women with polycystic ovary syndrome: a prospective study. *Fertil Steril.* 2007 Mar;87(3):712-4. Available from: PubMed; PMID 17118366

Sander V, Luchetti CG, Solano ME, Elia E, Di Girolamo G, Gonzalez C, Motta AB. Role of the N, N'-dimethylbiguanide metformin in the treatment of female prepuberal BALB/c mice hyperandrogenized with dehydroepiandrosterone. *Reproduction.* 2006 Mar;131(3):591-602. Available from: PubMed; PMID 16514202

Sanfilippo JS. Polycystic ovarian syndrome in the adolescent-the focus is new and exciting. *J Pediatr Adolesc Gynecol.* 2008 Jun;21(3):113-4. Available from: PubMed; PMID 18549961

Sanfilippo JS. Adolescent gynecology: let me take issue with you and give you the answers. *J Pediatr Adolesc Gynecol.* 2009 Jun;22(3):141-2. Available from: PubMed; PMID 19539198

Santana LF, de Sa MF, Ferriani RA, de Moura MD, Foss MC, dos Reis RM. Effect of metformin on the clinical and metabolic assessment of women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Aug;19(2):88-96. Available from: PubMed; PMID 15624270

Sara L, Antal P, Masszi G, Buday A, Horvath EM, Hamar P, Monos E, Nadasy GL, Varbiro S. Arteriolar insulin resistance in a rat model of polycystic ovary syndrome. *Fertil Steril.* 2012 Feb;97(2):462-8. Available from: PubMed; PMID 22154764

Sartor BM, Dickey RP. Polycystic ovarian syndrome and the metabolic syndrome. *Am J Med Sci.* 2005 Dec;330(6):336-42. Available from: PubMed; PMID 16355019

Sathyapalan T, Cho LW, Kilpatrick ES, Coady AM, Atkin SL. A comparison between rimonabant and metformin in reducing biochemical hyperandrogenaemia and insulin resistance in patients with polycystic ovary syndrome (PCOS): a randomized open-label parallel study. *Clin Endocrinol (Oxf).* 2008 Dec;69(6):931-5. Available from: PubMed; PMID 18410553

Sathyapalan T, Cho LW, Kilpatrick ES, Coady AM, Atkin SL. Metformin maintains the weight loss and metabolic benefits following rimonabant treatment in obese women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf).* 2009 Jan;70(1):124-8. Available from: PubMed; PMID 19128368

Sathyapalan T, Kilpatrick ES, Coady AM, Atkin SL. The effect of atorvastatin in patients with polycystic ovary syndrome: a randomized double-blind placebo-controlled study. *J Clin Endocrinol Metab.* 2009 Jan;94(1):103-8. Available from: PubMed; PMID 18940877

Sathyapalan T, Cho L, Kilpatrick ES, Le Roux CW, Coady AM, Atkin SL. Effect of rimonabant and metformin on glucose-dependent insulinotropic polypeptide and glucagon-like peptide-1 in obese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2010

Mar;72(3):423-5. Available from: PubMed; PMID 19489873

Sathyapalan T, Kilpatrick ES, Coady AM, Atkin SL. Atorvastatin pretreatment augments the effect of metformin in patients with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2010 Apr;72(4):566-8. Available from: PubMed; PMID 19681918

Sathyapalan T, Smith KA, Coady AM, Kilpatrick ES, Atkin SL. Atorvastatin therapy decreases androstenedione and dehydroepiandrosterone sulphate concentrations in patients with polycystic ovary syndrome: randomized controlled study. *Ann Clin Biochem*. 2012 Jan;49(Pt 1):80-5. Available from: PubMed; PMID 21972424

Savastano S, Valentino R, Pizza G, De Rosa A, Orio F, Passaretti F, Formisano P, Lombardi G, Beguinot F, Colao A. Preliminary data on effects of metformin on PED/PEA-15 cellular levels in obese women with polycystic ovary syndrome. *J Endocrinol Invest*. 2010 Jul-Aug;33(7):446-50. Available from: PubMed; PMID 20671408

Schachter M, Raziell A, Strassburger D, Rotem C, Ron-El R, Friedler S. Prospective, randomized trial of metformin and vitamins for the reduction of plasma homocysteine in insulin-resistant polycystic ovary syndrome. *Fertil Steril*. 2007 Jul;88(1):227-30. Available from: PubMed; PMID 17336970

Schlaich MP, Straznicki N, Grima M, Ika-Sari C, Dawood T, Mahfoud F, Lambert E, Chopra R, Socratous F, Hennebry S, Eikelis N, Bohm M, Krum H, Lambert G, Esler MD, Sobotka PA. Renal denervation: a potential new treatment modality for polycystic ovary syndrome? *J Hypertens*. 2011 May;29(5):991-6. Available from: PubMed; PMID 21358414

Schofl C, Horn R, Schill T, Schlosser HW, Muller MJ, Brabant G. Circulating ghrelin levels in patients with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Oct;87(10):4607-10. Available from: PubMed; PMID 12364442

Schroder AK, Tauchert S, Ortmann O, Diedrich K, Weiss JM. Insulin resistance in patients with polycystic ovary syndrome. *Ann Med*. 2004;36(6):426-39. Available from: PubMed; PMID 15513294

Schroeder B. Early diagnosis, presenting complaints, and management of hyperandrogenism in adolescents. *Curr Womens Health Rep*. 2001 Oct;1(2):124-30. Available from: PubMed; PMID 12112959

Schroeder BM. ACOG releases guidelines on diagnosis and management of polycystic ovary syndrome. *Am Fam Physician*. 2003 Apr 1;67(7):1619-20, 22. Available from: PubMed; PMID 12722867

Seale FGt, Robinson RD, Neal GS. Association of metformin and pregnancy in the polycystic ovary syndrome. A report of three cases. *J Reprod Med*. 2000

Jun;45(6):507-10. Available from: PubMed; PMID 10900588

Seibel SA, Chou KH, Capp E, Spritzer PM, von Eye Corleta H. Effect of metformin on IGF-1 and IGFBP-1 levels in obese patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2008 May;138(1):122-4. Available from: PubMed; PMID 17350746

Seli E, Duleba AJ. Should patients with polycystic ovarian syndrome be treated with metformin? *Hum Reprod*. 2002 Sep;17(9):2230-6. Available from: PubMed; PMID 12202407

Selimoglu H, Duran C, Kiyici S, Ersoy C, Guclu M, Ozkaya G, Tuncel E, Erturk E, Imamoglu S. The effect of vitamin D replacement therapy on insulin resistance and androgen levels in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2010 Apr;33(4):234-8. Available from: PubMed; PMID 19820295

Seneviratne HR, Lankeshwara D, Wijeratne S, Somasunderam N, Athukorale D. Serum insulin patterns and the relationship between insulin sensitivity and glycaemic profile in women with polycystic ovary syndrome. *BJOG*. 2009 Dec;116(13):1722-8. Available from: PubMed; PMID 19775306

Seow KM, Juan CC, Hsu YP, Ho LT, Wang YY, Hwang JL. Serum and follicular resistin levels in women with polycystic ovarian syndrome during IVF-stimulated cycles. *Hum Reprod*. 2005 Jan;20(1):117-21. Available from: PubMed; PMID 15513972

Seow KM, Juan CC, Ho LT, Hsu YP, Lin YH, Huang LW, Hwang JL. Adipocyte resistin mRNA levels are down-regulated by laparoscopic ovarian electrocautery in both obese and lean women with polycystic ovary syndrome. *Hum Reprod*. 2007 Apr;22(4):1100-6. Available from: PubMed; PMID 17208941

Seow KM, Juan CC, Hsu YP, Hwang JL, Huang LW, Ho LT. Amelioration of insulin resistance in women with PCOS via reduced insulin receptor substrate-1 Ser312 phosphorylation following laparoscopic ovarian electrocautery. *Hum Reprod*. 2007 Apr;22(4):1003-10. Available from: PubMed; PMID 17204522

Seow KM, Juan CC, Hwang JL, Ho LT. Laparoscopic surgery in polycystic ovary syndrome: reproductive and metabolic effects. *Semin Reprod Med*. 2008 Jan;26(1):101-10. Available from: PubMed; PMID 18181088

Seow KM, Tsai YL, Juan CC, Huang LW, Hwang JL, Ho LT. Omental fat receptor interacting protein 140 mRNA expression in women with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2010;69(1):51-6. Available from: PubMed; PMID 19887821

Sepilian V, Nagamani M. Effects of rosiglitazone in obese women with polycystic ovary syndrome and severe insulin

- resistance. *J Clin Endocrinol Metab.* 2005 Jan;90(1):60-5. Available from: PubMed; PMID 15483106
- Shaker M, Mashhadani ZI, Mehdi AA. Effect of Treatment with Metformin on Omentin-1, Ghrelin and other Biochemical, Clinical Features in PCOS Patients. *Oman Med J.* 2010 Oct;25(4):289-93. Available from: PubMed; PMID 22043360
- Shalom-Paz E, Marzal A, Wisner A, Almog B, Reinblatt S, Tulandi T, Holzer H. Effects of different body mass indices on in vitro maturation in women with polycystic ovaries. *Fertil Steril.* 2011 Aug;96(2):336-9. Available from: PubMed; PMID 21704986
- Shannon M, Wang Y. Polycystic ovary syndrome: a common but often unrecognized condition. *J Midwifery Womens Health.* 2012 May-Jun;57(3):221-30. Available from: PubMed; PMID 22594862
- Sharma ST, Nestler JE. Prevention of diabetes and cardiovascular disease in women with PCOS: treatment with insulin sensitizers. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):245-60. Available from: PubMed; PMID 16772155
- Sharma ST, Wickham EP, 3rd, Nestler JE. Changes in glucose tolerance with metformin treatment in polycystic ovary syndrome: a retrospective analysis. *Endocr Pract.* 2007 Jul-Aug;13(4):373-9. Available from: PubMed; PMID 17669713
- Sharma A, Walker DM, Atiomo W. National survey on management of weight reduction in PCOS women in the United Kingdom. *Eur J Obstet Gynecol Reprod Biol.* 2010 Oct;152(2):181-5. Available from: PubMed; PMID 20674135
- Shayya R, Chang RJ. Reproductive endocrinology of adolescent polycystic ovary syndrome. *BJOG.* 2010 Jan;117(2):150-5. Available from: PubMed; PMID 20002395
- Sheehan MT. Polycystic ovarian syndrome: diagnosis and management. *Clin Med Res.* 2004 Feb;2(1):13-27. Available from: PubMed; PMID 15931331
- Sherer DM, Dalloul M, Khoury-Collado F, Hellman M, Osho JA, Gupta RS, Abulafia O. Hyperreactio luteinalis presenting with marked hyperglycemia and bilateral multicystic adnexal masses at 21 weeks gestation. *Am J Perinatol.* 2006 Feb;23(2):85-8. Available from: PubMed; PMID 16506113
- Shi Y, Guo M, Yan J, Sun W, Zhang X, Geng L, Xu L, Chen Z. Analysis of clinical characteristics in large-scale Chinese women with polycystic ovary syndrome. *Neuro Endocrinol Lett.* 2007 Dec;28(6):807-10. Available from: PubMed; PMID 18063948
- Shi D, Dyck MK, Uwiera RR, Russell JC, Proctor SD, Vine DF. A unique rodent model of cardiometabolic risk associated with the metabolic syndrome and polycystic ovary syndrome. *Endocrinology.* 2009 Sep;150(9):4425-36. Available from: PubMed; PMID 19470707
- Shobokshi A, Shaarawy M. Correction of insulin resistance and hyperandrogenism in polycystic ovary syndrome by combined rosiglitazone and clomiphene citrate therapy. *J Soc Gynecol Investig.* 2003 Feb;10(2):99-104. Available from: PubMed; PMID 12593999
- Shokeir T, El-Kannishy G. Rosiglitazone as treatment for clomiphene citrate-resistant polycystic ovary syndrome: factors associated with clinical response. *J Womens Health (Larchmt).* 2008 Nov;17(9):1445-52. Available from: PubMed; PMID 18973428
- Sills ES, Perloe M, Palermo GD. Correction of hyperinsulinemia in oligoovulatory women with clomiphene-resistant polycystic ovary syndrome: a review of therapeutic rationale and reproductive outcomes. *Eur J Obstet Gynecol Reprod Biol.* 2000 Aug;91(2):135-41. Available from: PubMed; PMID 10869785
- Sills ES, Genton MG, Perloe M, Schattman GL, Bralley JA, Tucker MJ. Plasma homocysteine, fasting insulin, and androgen patterns among women with polycystic ovaries and infertility. *J Obstet Gynaecol Res.* 2001 Jun;27(3):163-8. Available from: PubMed; PMID 11561833
- Sills ES, Drews CD, Perloe M, Tucker MJ, Kaplan CR, Palermo GD. Absence of profound hyperinsulinism in polycystic ovary syndrome is associated with subtle elevations in the plasminogen activator inhibitor system. *Gynecol Endocrinol.* 2003 Jun;17(3):231-7. Available from: PubMed; PMID 12857431
- Sirmans SM, Weidman-Evans E, Everton V, Thompson D. Polycystic ovary syndrome and chronic inflammation: pharmacotherapeutic implications. *Ann Pharmacother.* 2012 Mar;46(3):403-18. Available from: PubMed; PMID 22388330
- Smith JW, Taylor JS. Polycystic ovary syndrome: evidence-based strategies for managing symptoms and preventing long-term sequelae. *Nurs Womens Health.* 2011 Oct-Nov;15(5):402-10; quiz 11. Available from: PubMed; PMID 22900653
- Soares JC. Valproate treatment and the risk of hyperandrogenism and polycystic ovaries. *Bipolar Disord.* 2000 Mar;2(1):37-41. Available from: PubMed; PMID 11254018
- Soares GM, Vieira CS, de Paula Martins W, Dos Reis RM, de Sa MF, Ferriani RA. Metabolic and cardiovascular impact of oral contraceptives in polycystic ovary syndrome. *Int J Clin Pract.* 2009 Jan;63(1):160-9. Available from: PubMed; PMID 18795969
- Solano ME, Sander VA, Ho H, Motta AB, Arck PC. Systemic inflammation, cellular influx and up-regulation of ovarian VCAM-1 expression in a mouse model of



- polycystic ovary syndrome (PCOS). *J Reprod Immunol*. 2011 Dec;92(1-2):33-44. Available from: PubMed; PMID 22018827
- Sonmez AS, Yasar L, Savan K, Koc S, Ozcan J, Toklar A, Yazicioglu F, Akgun A, Sut N. Comparison of the effects of acarbose and metformin use on ovulation rates in clomiphene citrate-resistant polycystic ovary syndrome. *Hum Reprod*. 2005 Jan;20(1):175-9. Available from: PubMed; PMID 15513975
- Sonnenstuhl P. More on PCOS. *Adv Nurse Pract*. 2001 Feb;9(2):18. Available from: PubMed; PMID 12416048
- Sova H, Puistola U, Morin-Papunen L, Karihtala P. Metformin decreases serum 8-hydroxy-2'-deoxyguanosine levels in polycystic ovary syndrome. *Fertil Steril*. 2012 Oct 31. Available from: PubMed; PMID 23122829
- Spritzer PM, Poy M, Wiltgen D, Mylius LS, Capp E. Leptin concentrations in hirsute women with polycystic ovary syndrome or idiopathic hirsutism: influence on LH and relationship with hormonal, metabolic, and anthropometric measurements. *Hum Reprod*. 2001 Jul;16(7):1340-6. Available from: PubMed; PMID 11425810
- Spritzer PM, Comim FV, Capp E, D'Avila A. Influence of leptin, androgens and insulin sensitivity on increased GH response to clonidine in lean patients with polycystic ovary syndrome. *Horm Metab Res*. 2005 Feb;37(2):94-8. Available from: PubMed; PMID 15778926
- Srouji SS, Pagan YL, D'Amato F, Dabela A, Jimenez Y, Supko JG, Hall JE. Pharmacokinetic factors contribute to the inverse relationship between luteinizing hormone and body mass index in polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2007 Apr;92(4):1347-52. Available from: PubMed; PMID 17264175
- Stachenfeld NS, Yeckel CW, Taylor HS. Greater exercise sweating in obese women with polycystic ovary syndrome compared with obese controls. *Med Sci Sports Exerc*. 2010 Sep;42(9):1660-8. Available from: PubMed; PMID 20195177
- Stadtmauer LA, Wong BC, Oehninger S. Should patients with polycystic ovary syndrome be treated with metformin? Benefits of insulin sensitizing drugs in polycystic ovary syndrome--beyond ovulation induction. *Hum Reprod*. 2002 Dec;17(12):3016-26. Available from: PubMed; PMID 12456596
- Stadtmauer L, Oehninger S. Management of infertility in women with polycystic ovary syndrome : a practical guide. *Treat Endocrinol*. 2005;4(5):279-92. Available from: PubMed; PMID 16185097
- Stafford DE, Gordon CM. Adolescent androgen abnormalities. *Curr Opin Obstet Gynecol*. 2002 Oct;14(5):445-51. Available from: PubMed; PMID 12401970
- Stamets K, Taylor DS, Kunselman A, Demers LM, Pelkman CL, Legro RS. A randomized trial of the effects of two types of short-term hypocaloric diets on weight loss in women with polycystic ovary syndrome. *Fertil Steril*. 2004 Mar;81(3):630-7. Available from: PubMed; PMID 15037413
- Stanciu IN, Pitale S, Prinz RA, Jakate S, Webb G, Steiner D, Braithwaite S, Gordon D, Emanuele MA. Insulinoma presenting with hyperandrogenism: a case report and a literature review. *J Intern Med*. 2003 Apr;253(4):484-9. Available from: PubMed; PMID 12653879
- Stankiewicz M, Norman R. Diagnosis and management of polycystic ovary syndrome: a practical guide. *Drugs*. 2006;66(7):903-12. Available from: PubMed; PMID 16740005
- Stanley T, Misra M. Polycystic ovary syndrome in obese adolescents. *Curr Opin Endocrinol Diabetes Obes*. 2008 Feb;15(1):30-6. Available from: PubMed; PMID 18185060
- Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology*. 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266
- Steiner CA, Janez A, Jensterle M, Reisinger K, Forst T, Pfutzner A. Impact of treatment with rosiglitazone or metformin on biomarkers for insulin resistance and metabolic syndrome in patients with polycystic ovary syndrome. *J Diabetes Sci Technol*. 2007 Mar;1(2):211-7. Available from: PubMed; PMID 19888409
- Stener-Victorin E, Waldenstrom U, Tagnfors U, Lundeberg T, Lindstedt G, Janson PO. Effects of electro-acupuncture on anovulation in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2000 Mar;79(3):180-8. Available from: PubMed; PMID 10716298
- Stener-Victorin E, Jedel E, Manneras L. Acupuncture in polycystic ovary syndrome: current experimental and clinical evidence. *J Neuroendocrinol*. 2008 Mar;20(3):290-8. Available from: PubMed; PMID 18047551
- Stener-Victorin E, Baghaei F, Holm G, Janson PO, Olivecrona G, Lonn M, Manneras-Holm L. Effects of acupuncture and exercise on insulin sensitivity, adipose tissue characteristics, and markers of coagulation and fibrinolysis in women with polycystic ovary syndrome: secondary analyses of a randomized controlled trial. *Fertil Steril*. 2012 Feb;97(2):501-8. Available from: PubMed; PMID 22154367
- Stephen LJ, Kwan P, Shapiro D, Dominiczak M, Brodie MJ. Hormone profiles in young adults with epilepsy treated with sodium valproate or lamotrigine monotherapy. *Epilepsia*. 2001 Aug;42(8):1002-6. Available from: PubMed; PMID 11554885

Stephenson T, Stewart G. PCOS: clinical presentation guides treatment of this multifaceted disease. *JAAPA*. 2010 Oct;23(10):20-4. Available from: PubMed; PMID 21128379

Stout DL, Fugate SE. Thiazolidinediones for treatment of polycystic ovary syndrome. *Pharmacotherapy*. 2005 Feb;25(2):244-52. Available from: PubMed; PMID 15767238

Stovall DW, Bailey AP, Pastore LM. Assessment of insulin resistance and impaired glucose tolerance in lean women with polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2011 Jan;20(1):37-43. Available from: PubMed; PMID 21194310

Strowitzki T, Halser B, Demant T. Body fat distribution, insulin sensitivity, ovarian dysfunction and serum lipoproteins in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2002 Feb;16(1):45-51. Available from: PubMed; PMID 11915581

Strowitzki T, Capp E, von Eye Corleta H. The degree of cycle irregularity correlates with the grade of endocrine and metabolic disorders in PCOS patients. *Eur J Obstet Gynecol Reprod Biol*. 2010 Apr;149(2):178-81. Available from: PubMed; PMID 20097466

Studen KB, Sebestjen M, Pfeifer M, Prezelj J. Influence of spironolactone treatment on endothelial function in non-obese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2011 Mar;164(3):389-95. Available from: PubMed; PMID 21156647

Styne DM. Review of the 2nd Annual World Congress on the Insulin Resistance Syndrome. *J Pediatr Endocrinol Metab*. 2005 Jul;18(7):723-6. Available from: PubMed; PMID 16128250

Styne DM. The 4th International Congress on the Insulin Resistance Syndrome. *Pediatr Endocrinol Rev*. 2007 Jun;4(4):358-61. Available from: PubMed; PMID 17643084

Suzuki A, Abdelmalek MF. Nonalcoholic fatty liver disease in women. *Womens Health (Lond Engl)*. 2009 Mar;5(2):191-203. Available from: PubMed; PMID 19245356

Svendsen PF, Nilas L, Madsbad S, Holst JJ. Incretin hormone secretion in women with polycystic ovary syndrome: roles of obesity, insulin sensitivity, and treatment with metformin. *Metabolism*. 2009 May;58(5):586-93. Available from: PubMed; PMID 19375579

Szilagyi A, Szabo I. Endocrine characteristics of polycystic ovary syndrome (PCOS). *Indian J Exp Biol*. 2003 Jul;41(7):694-700. Available from: PubMed; PMID 15255372

Takeuchi T, Tsutsumi O, Taketani Y. Impaired growth hormone secretion after glucose loading in non-obese women with polycystic ovary syndrome, possibly related to androgen but not insulin and free fatty acids. *Gynecol Endocrinol*. 2007;23(8):468-73. Available from: PubMed; PMID 17852425

Tan WC, Yap C, Tan AS. Clinical management of PCOS. *Acta Obstet Gynecol Scand*. 2001 Aug;80(8):689-96. Available from: PubMed; PMID 11531609

Tan S, Hahn S, Janssen OE. Insulin resistance syndrome and polycystic ovary syndrome: implications for diagnosis and treatment. *Panminerva Med*. 2005 Dec;47(4):211-7. Available from: PubMed; PMID 16489320

Tan BK, Chen J, Digby JE, Keay SD, Kennedy CR, Randeve HS. Upregulation of adiponectin receptor 1 and 2 mRNA and protein in adipose tissue and adipocytes in insulin-resistant women with polycystic ovary syndrome. *Diabetologia*. 2006 Nov;49(11):2723-8. Available from: PubMed; PMID 17001470

Tan S, Hahn S, Benson S, Dietz T, Lahner H, Moeller LC, Schmidt M, Elsenbruch S, Kimmig R, Mann K, Janssen OE. Metformin improves polycystic ovary syndrome symptoms irrespective of pre-treatment insulin resistance. *Eur J Endocrinol*. 2007 Nov;157(5):669-76. Available from: PubMed; PMID 17984248

Tan BK, Heutling D, Chen J, Farhatullah S, Adya R, Keay SD, Kennedy CR, Lehnert H, Randeve HS. Metformin decreases the adipokine vaspin in overweight women with polycystic ovary syndrome concomitant with improvement in insulin sensitivity and a decrease in insulin resistance. *Diabetes*. 2008 Jun;57(6):1501-7. Available from: PubMed; PMID 18375437

Tan BK, Adya R, Chen J, Farhatullah S, Heutling D, Mitchell D, Lehnert H, Randeve HS. Metformin decreases angiogenesis via NF-kappaB and Erk1/2/Erk5 pathways by increasing the antiangiogenic thrombospondin-1. *Cardiovasc Res*. 2009 Aug 1;83(3):566-74. Available from: PubMed; PMID 19414528

Tan BK, Chen J, Farhatullah S, Adya R, Kaur J, Heutling D, Lewandowski KC, O'Hare JP, Lehnert H, Randeve HS. Insulin and metformin regulate circulating and adipose tissue chemerin. *Diabetes*. 2009 Sep;58(9):1971-7. Available from: PubMed; PMID 19502420

Tan BK, Adya R, Farhatullah S, Chen J, Lehnert H, Randeve HS. Metformin treatment may increase omentin-1 levels in women with polycystic ovary syndrome. *Diabetes*. 2010 Dec;59(12):3023-31. Available from: PubMed; PMID 20852028

Tan BK, Adya R, Shan X, Aghilla M, Lehnert H, Keay SD, Randeve HS. The anti-atherogenic aspect of metformin treatment in insulin resistant women with the polycystic ovary syndrome: role of the newly established pro-inflammatory adipokine Acute-phase Serum Amyloid A;

evidence of an adipose tissue-monocyte axis.

Atherosclerosis. 2011 Jun;216(2):402-8. Available from: PubMed; PMID 20869715

Tan BK, Chen J, Adya R, Randeve HS. Phosphoprotein enriched in diabetes gene product (Ped/pea-15) is increased in omental adipose tissue of women with the polycystic ovary syndrome: ex vivo regulation of ped/pea-15 by glucose, insulin and metformin. *Diabetes Obes Metab*. 2011 Feb;13(2):181-4. Available from: PubMed; PMID 21199270

Tang T, Glanville J, Hayden CJ, White D, Barth JH, Balen AH. Combined lifestyle modification and metformin in obese patients with polycystic ovary syndrome. A randomized, placebo-controlled, double-blind multicentre study. *Hum Reprod*. 2006 Jan;21(1):80-9. Available from: PubMed; PMID 16199429

Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. WITHDRAWN: Insulin-sensitising drugs for polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2009 (3):CD003053. Available from: PubMed; PMID 19588338

Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev*. 2010 (1):CD003053. Available from: PubMed; PMID 20091537

Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev*. 2012;5:CD003053. Available from: PubMed; PMID 22592687

Targher G, Lippi G, Moghetti P. Metformin in polycystic ovary syndrome. *N Engl J Med*. 2008 Apr 24;358(17):1867; author reply 8. Available from: PubMed; PMID 18437728

Tarkun I, Cetinarlan B, Turemen E, Sahin T, Canturk Z, Komsuoglu B. Effect of rosiglitazone on insulin resistance, C-reactive protein and endothelial function in non-obese young women with polycystic ovary syndrome. *Eur J Endocrinol*. 2005 Jul;153(1):115-21. Available from: PubMed; PMID 15994753

Tarkun I, Dikmen E, Cetinarlan B, Canturk Z. Impact of treatment with metformin on adipokines in patients with polycystic ovary syndrome. *Eur Cytokine Netw*. 2010 Dec;21(4):272-7. Available from: PubMed; PMID 21126943

Tartagni M, Cicinelli E, De Pergola G, Lavopa C, Di Naro E, De Salvia MA, Loverro G. Effect of finasteride on ovulation induction in nonresponder (hyperandrogenic) polycystic ovary syndrome (PCOS) women. *Fertil Steril*. 2010 Jun;94(1):247-9. Available from: PubMed; PMID 19342023

Tasali E, Chapotot F, Leproult R, Whitmore H, Ehrmann DA. Treatment of obstructive sleep apnea improves cardiometabolic function in young obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Feb;96(2):365-74. Available from: PubMed; PMID 21123449

Taylor AE. Insulin-lowering medications in polycystic ovary syndrome. *Obstet Gynecol Clin North Am*. 2000 Sep;27(3):583-95. Available from: PubMed; PMID 10958005

Teede HJ, Meyer C, Norman RJ. Insulin-sensitisers in the treatment of polycystic ovary syndrome. *Expert Opin Pharmacother*. 2005 Nov;6(14):2419-27. Available from: PubMed; PMID 16259573

Teede HJ, Hutchison SK, Zoungas S. The management of insulin resistance in polycystic ovary syndrome. *Trends Endocrinol Metab*. 2007 Sep;18(7):273-9. Available from: PubMed; PMID 17698366

Teede H, Deeks A, Moran L. Polycystic ovary syndrome: a complex condition with psychological, reproductive and metabolic manifestations that impacts on health across the lifespan. *BMC Med*. 2010;8:41. Available from: PubMed; PMID 20591140

Teede HJ, Meyer C, Hutchison SK, Zoungas S, McGrath BP, Moran LJ. Endothelial function and insulin resistance in polycystic ovary syndrome: the effects of medical therapy. *Fertil Steril*. 2010 Jan;93(1):184-91. Available from: PubMed; PMID 19019358

Teede HJ, Misso ML, Deeks AA, Moran LJ, Stuckey BG, Wong JL, Norman RJ, Costello MF. Assessment and management of polycystic ovary syndrome: summary of an evidence-based guideline. *Med J Aust*. 2011 Sep 19;195(6):S65-112. Available from: PubMed; PMID 21929505

Tfayli H, Ulnach JW, Lee S, Sutton-Tyrrell K, Arslanian S. Drospirenone/ethinyl estradiol versus rosiglitazone treatment in overweight adolescents with polycystic ovary syndrome: comparison of metabolic, hormonal, and cardiovascular risk factors. *J Clin Endocrinol Metab*. 2011 May;96(5):1311-9. Available from: PubMed; PMID 21325466

Thatcher SS, Jackson EM. Pregnancy outcome in infertile patients with polycystic ovary syndrome who were treated with metformin. *Fertil Steril*. 2006 Apr;85(4):1002-9. Available from: PubMed; PMID 16580387

Thomson RL, Buckley JD, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. The effect of a hypocaloric diet with and without exercise training on body composition, cardiometabolic risk profile, and reproductive function in overweight and obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Sep;93(9):3373-80. Available from: PubMed; PMID 18583464

Thomson RL, Buckley JD, Moran LJ, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Comparison of aerobic exercise capacity and muscle strength in overweight women with and without polycystic ovary syndrome. *BJOG*. 2009 Aug;116(9):1242-50. Available from: PubMed; PMID 19438498

Thomson RL, Buckley JD, Moran LJ, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. The effect of weight loss on anti-Mullerian hormone levels in overweight and obese women with polycystic ovary syndrome and reproductive impairment. *Hum Reprod*. 2009 Aug;24(8):1976-81. Available from: PubMed; PMID 19380385

Thomson RL, Buckley JD, Lim SS, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Lifestyle management improves quality of life and depression in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Oct;94(5):1812-6. Available from: PubMed; PMID 20004371

Thomson RL, Brinkworth GD, Noakes M, Clifton PM, Norman RJ, Buckley JD. The effect of diet and exercise on markers of endothelial function in overweight and obese women with polycystic ovary syndrome. *Hum Reprod*. 2012 Jul;27(7):2169-76. Available from: PubMed; PMID 22552687

Thomson RL, Spedding S, Buckley JD. Vitamin D in the aetiology and management of polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Sep;77(3):343-50. Available from: PubMed; PMID 22574874

Tolino A, Gambardella V, Caccavale C, D'Ettore A, Giannotti F, D'Anto V, De Falco CL. Evaluation of ovarian functionality after a dietary treatment in obese women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2005 Mar 1;119(1):87-93. Available from: PubMed; PMID 15734091

Tomlinson J, Millward A, Stenhouse E, Pinkney J. Type 2 diabetes and cardiovascular disease in polycystic ovary syndrome: what are the risks and can they be reduced? *Diabet Med*. 2010 May;27(5):498-515. Available from: PubMed; PMID 20536945

Tomova A, Deepinder F, Robeva R, Kirilov G, Mehandjiev Z, Kumanov P. Anti-Mullerian hormone in women with polycystic ovary syndrome before and after therapy with metformin. *Horm Metab Res*. 2011 Sep;43(10):723-7. Available from: PubMed; PMID 21932178

Topcu S, Tok D, Caliskan M, Ozcimen EE, Gullu H, Uckuyu A, Erdogan D, Zeyneloglu H, Muderrisoglu H. Metformin therapy improves coronary microvascular function in patients with polycystic ovary syndrome and insulin resistance. *Clin Endocrinol (Oxf)*. 2006 Jul;65(1):75-80. Available from: PubMed; PMID 16817823

Toscani MK, Mario FM, Radavelli-Bagatini S, Spritzer PM. Insulin resistance is not strictly associated with energy intake or dietary macronutrient composition in women with polycystic ovary syndrome. *Nutr Res*. 2011 Feb;31(2):97-103. Available from: PubMed; PMID 21419313

Toscani MK, Mario FM, Radavelli-Bagatini S, Wiltgen D, Matos MC, Spritzer PM. Effect of high-protein or normal-protein diet on weight loss, body composition, hormone, and metabolic profile in southern Brazilian women with polycystic ovary syndrome: a randomized study. *Gynecol Endocrinol*. 2011 Nov;27(11):925-30. Available from: PubMed; PMID 21627406

Tremellen K, Pearce K. Dysbiosis of Gut Microbiota (DOGMA)--a novel theory for the development of Polycystic Ovarian Syndrome. *Med Hypotheses*. 2012 Jul;79(1):104-12. Available from: PubMed; PMID 22543078

Trolle B, Flyvbjerg A, Kesmodel U, Lauszus FF. Efficacy of metformin in obese and non-obese women with polycystic ovary syndrome: a randomized, double-blinded, placebo-controlled cross-over trial. *Hum Reprod*. 2007 Nov;22(11):2967-73. Available from: PubMed; PMID 17766923

Trolle B, Lauszus FF, Frystyk J, Flyvbjerg A. Adiponectin levels in women with polycystic ovary syndrome: impact of metformin treatment in a randomized controlled study. *Fertil Steril*. 2010 Nov;94(6):2234-8. Available from: PubMed; PMID 20189560

Tsilchorozidou T, Prelevic GM. The role of metformin in the management of polycystic ovary syndrome. *Curr Opin Obstet Gynecol*. 2003 Dec;15(6):483-8. Available from: PubMed; PMID 14624214

Tsilchorozidou T, Mohamed-Ali V, Conway GS. Determinants of interleukin-6 and C-reactive protein vary in polycystic ovary syndrome, as do effects of short- and long-term metformin therapy. *Horm Res*. 2009;71(3):148-54. Available from: PubMed; PMID 19188739

Tso LO, Costello MF, Albuquerque LE, Andriolo RB, Freitas V. Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2009 (2):CD006105. Available from: PubMed; PMID 19370625

Tugrul S, Kutlu T, Pekin O, Baglam E, Kiyak H, Oral O. Clinical, endocrine, and metabolic effects of acarbose, a alpha-glucosidase inhibitor, in overweight and nonoverweight patients with polycystic ovarian syndrome. *Fertil Steril*. 2008 Oct;90(4):1144-8. Available from: PubMed; PMID 18377903

Tweedy A. Polycystic ovary syndrome. *J Am Acad Nurse Pract*. 2000 Mar;12(3):101-5; quiz 6-8. Available from: PubMed; PMID 11033690

- Ulloa-Aguirre A, Portocarrero L, Zarinan T, Olivares A, Carranza-Lira S, Veldhuis JD, Lopez-Alvarenga JC. Effects of metformin on inappropriate LH release in women with polycystic ovarian syndrome and insulin resistance. *Reprod Biomed Online*. 2006 Jun;12(6):669-83. Available from: PubMed; PMID 16792841
- Uncu G, Ozyurek SE, Uncu Y. ACTH stimulation test in lean polycystic ovary syndrome patients with insulin resistance. *Fertil Steril*. 2007 Sep;88(3):670-4. Available from: PubMed; PMID 17451692
- Unfer V, Carlomagno G, Dante G, Facchinetti F. Effects of myo-inositol in women with PCOS: a systematic review of randomized controlled trials. *Gynecol Endocrinol*. 2012 Jul;28(7):509-15. Available from: PubMed; PMID 22296306
- Unluhizarci K, Kelestimur F, Bayram F. Insulin-sensitizing agents and their effect on adrenal androgens. *Fertil Steril*. 2000 Nov;74(5):1058-9. Available from: PubMed; PMID 11185467
- Uras R, Orru M, Pani F, Marotto MF, Pilloni M, Guerriero S, Etzi R, Zedda P, Sorge R, Lello S, Melis GB, Paoletti AM. Endocrinological, metabolic and clinical features of treatment with oral contraceptive formulation containing ethinylestradiol plus chlormadinone acetate in nonobese women with polycystic ovary syndrome. *Contraception*. 2010 Aug;82(2):131-8. Available from: PubMed; PMID 20654753
- Ušnarska-Zubkiewicz L, Bolanowski M, Zubkiewicz-Kucharska A, Podolak-Dawidziak M, Kuliczowski K. Pregnancy in a woman with polycystic ovary syndrome and myelodysplastic syndrome (in the form of refractory anemia) treated with allogeneic hemopoietic stem-cell transplantation (alloHSCT). *Gynecol Endocrinol*. 2010 Feb;26(2):135-8. Available from: PubMed; PMID 20074022
- Vaikkakara S, Al-Ozairi E, Lim E, Advani A, Ball SG, James RA, Quinton R. The investigation and management of severe hyperandrogenism pre- and postmenopause: non-tumor disease is strongly associated with metabolic syndrome and typically responds to insulin-sensitization with metformin. *Gynecol Endocrinol*. 2008 Feb;24(2):87-92. Available from: PubMed; PMID 18210332
- Vambergue A, Lautier C, Valat AS, Cortet-Rudelli C, Grigorescu F, Dewailly D. Follow-up study of two sisters with type A syndrome of severe insulin resistance gives a new insight into PCOS pathogenesis in relation to puberty and pregnancy outcome: a case report. *Hum Reprod*. 2006 May;21(5):1274-8. Available from: PubMed; PMID 16410336
- Van Dam EW, Roelfsema F, Veldhuis JD, Helmerhorst FM, Frolich M, Meinders AE, Krans HM, Pijl H. Increase in daily LH secretion in response to short-term calorie restriction in obese women with PCOS. *Am J Physiol Endocrinol Metab*. 2002 Apr;282(4):E865-72. Available from: PubMed; PMID 11882506
- van Dam EW, Roelfsema F, Veldhuis JD, Hogendoorn S, Westenberg J, Helmerhorst FM, Frolich M, Krans HM, Meinders AE, Pijl H. Retention of estradiol negative feedback relationship to LH predicts ovulation in response to caloric restriction and weight loss in obese patients with polycystic ovary syndrome. *Am J Physiol Endocrinol Metab*. 2004 Apr;286(4):E615-20. Available from: PubMed; PMID 14678951
- van Wely M, Bayram N, van der Veen F, Bossuyt PM. Predicting ongoing pregnancy following ovulation induction with recombinant FSH in women with polycystic ovary syndrome. *Hum Reprod*. 2005 Jul;20(7):1827-32. Available from: PubMed; PMID 15831514
- Vanky E, Kjøtrod SB, Maesel A, Bjerve KS, Carlsen SM. Dexamethasone reduces androgen levels in metformin-treated patients with polycystic ovary syndrome. *Fertil Steril*. 2004 Feb;81(2):459-62. Available from: PubMed; PMID 14967392
- Vanky E, Salvesen KA, Carlsen SM. Six-month treatment with low-dose dexamethasone further reduces androgen levels in PCOS women treated with diet and lifestyle advice, and metformin. *Hum Reprod*. 2004 Mar;19(3):529-33. Available from: PubMed; PMID 14998946
- Vanky E, Salvesen KA, Heimstad R, Fougner KJ, Romundstad P, Carlsen SM. Metformin reduces pregnancy complications without affecting androgen levels in pregnant polycystic ovary syndrome women: results of a randomized study. *Hum Reprod*. 2004 Aug;19(8):1734-40. Available from: PubMed; PMID 15178665
- Vanky E, Stridsklev S, Heimstad R, Romundstad P, Skogoy K, Kleggetveit O, Hjelle S, von Brandis P, Eikeland T, Flo K, Berg KF, Bunford G, Lund A, Bjerke C, Almas I, Berg AH, Danielson A, Lahmami G, Carlsen SM. Metformin versus placebo from first trimester to delivery in polycystic ovary syndrome: a randomized, controlled multicenter study. *J Clin Endocrinol Metab*. 2010 Dec;95(12):E448-55. Available from: PubMed; PMID 20926533
- Vanky E, Carlsen SM. Androgens and antimüllerian hormone in mothers with polycystic ovary syndrome and their newborns. *Fertil Steril*. 2012 Feb;97(2):509-15. Available from: PubMed; PMID 22154766
- Vanky E, Nordskar JJ, Leithe H, Hjorth-Hansen AK, Martinussen M, Carlsen SM. Breast size increment during pregnancy and breastfeeding in mothers with polycystic ovary syndrome: a follow-up study of a randomised controlled trial on metformin versus placebo. *BJOG*. 2012 Oct;119(11):1403-9. Available from: PubMed; PMID 22827167
- Vargas ML, Almario RU, Buchan W, Kim K, Karakas SE. Metabolic and endocrine effects of long-chain versus

- essential omega-3 polyunsaturated fatty acids in polycystic ovary syndrome. *Metabolism*. 2011 Dec;60(12):1711-8. Available from: PubMed; PMID 21640360
- Vause TD, Cheung AP, Sierra S, Claman P, Graham J, Guillemain JA, Lapensee L, Stewart S, Wong BC. Ovulation induction in polycystic ovary syndrome. *J Obstet Gynaecol Can*. 2010 May;32(5):495-502. Available from: PubMed; PMID 20500959
- Velazquez ME, Bellabarba GA, Mendoza S, Sanchez L. Postprandial triglyceride response in patients with polycystic ovary syndrome: relationship with waist-to-hip ratio and insulin. *Fertil Steril*. 2000 Dec;74(6):1159-63. Available from: PubMed; PMID 11119744
- Velazquez MA, Hadelar KG, Herrmann D, Kues WA, Ulbrich SE, Meyer HH, Remy B, Beckers JF, Sauerwein H, Niemann H. In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. *Reproduction*. 2011 Jul;142(1):41-52. Available from: PubMed; PMID 21543511
- Velija-Asimi Z. C-reactive protein in obese PCOS women and the effect of metformin therapy. *Bosn J Basic Med Sci*. 2007 Feb;7(1):90-3. Available from: PubMed; PMID 17489777
- Verit FF, Erel O, Kocyigit A. Association of increased total antioxidant capacity and anovulation in nonobese infertile patients with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril*. 2007 Aug;88(2):418-24. Available from: PubMed; PMID 17303132
- Verit FF. The prevalence of metabolic syndrome in clomiphene citrate resistant polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 May;28(5):365-9. Available from: PubMed; PMID 22409701
- Vicino M, Loverro G, Bettocchi S, Simonetti S, Mei L, Selvaggi L. Predictive value of serum androstenedione basal levels on the choice of gonadotropin or laparoscopic ovarian electrocautery as ovulation induction in clomiphene citrate-resistant patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2000 Feb;14(1):42-9. Available from: PubMed; PMID 10813106
- Vigano A, Manzoni P, Riva S, Brambilla P, Ferrazzi E, Marzi MM. Hyperinsulinemia induced by highly active antiretroviral therapy in an adolescent with polycystic ovary syndrome who was infected with human immunodeficiency virus. *Fertil Steril*. 2003 Feb;79(2):422-3. Available from: PubMed; PMID 12568857
- Villa P, Di Sebastiano F, Rossodivita A, Sagnella F, Barini A, Fulghesu AM, Lanzone A. Which treatment options should be used in adolescents with polycystic ovary syndrome? *J Pediatr Endocrinol Metab*. 2004 May;17(5):705-10. Available from: PubMed; PMID 15237703
- Villaseca P, Hormaza P, Cardenas I, Oestreicher E, Arteaga E. Ethinylestradiol/cyproterone acetate in polycystic ovary syndrome: lipid and carbohydrate changes. *Eur J Contracept Reprod Health Care*. 2004 Sep;9(3):155-65. Available from: PubMed; PMID 15697105
- Vinaixa M, Rodriguez MA, Samino S, Diaz M, Beltran A, Mallol R, Blade C, Ibanez L, Correig X, Yanes O. Metabolomics reveals reduction of metabolic oxidation in women with polycystic ovary syndrome after pioglitazone-flutamide-metformin polytherapy. *PLoS One*. 2011;6(12):e29052. Available from: PubMed; PMID 22194988
- Vlaisavljevic V, Kovac V, Sajko MC. Impact of insulin resistance on the developmental potential of immature oocytes retrieved from human chorionic gonadotropin-primed women with polycystic ovary syndrome undergoing in vitro maturation. *Fertil Steril*. 2009 Mar;91(3):957-9. Available from: PubMed; PMID 18321495
- Vollenhoven B, Clark S, Kovacs G, Burger H, Healy D. Prevalence of gestational diabetes mellitus in polycystic ovarian syndrome (PCOS) patients pregnant after ovulation induction with gonadotrophins. *Aust N Z J Obstet Gynaecol*. 2000 Feb;40(1):54-8. Available from: PubMed; PMID 10870780
- Vrbikova J, Hill M, Starka L, Cibula D, Bendlova B, Vondra K, Sulcova J, Snajderova M. The effects of long-term metformin treatment on adrenal and ovarian steroidogenesis in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2001 Jun;144(6):619-28. Available from: PubMed; PMID 11375796
- Vrbikova J, Hill M, Starka L, Vondra K. Prediction of the effect of metformin treatment in patients with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2002;53(2):100-4. Available from: PubMed; PMID 11961383
- Vrbikova J, Stanicka S, Dvorakova K, Hill M, Vondra K, Bendlova B, Starka L. Metabolic and endocrine effects of treatment with peroral or transdermal oestrogens in conjunction with peroral cyproterone acetate in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2004 Feb;150(2):215-23. Available from: PubMed; PMID 14763920
- Vrbikova J, Cibula D. Combined oral contraceptives in the treatment of polycystic ovary syndrome. *Hum Reprod Update*. 2005 May-Jun;11(3):277-91. Available from: PubMed; PMID 15790599
- Vrbikova J, Dvorakova K, Hill M, Starka L. Weight change and androgen levels during contraceptive treatment of women affected by polycystic ovary. *Endocr Regul*. 2006 Dec;40(4):119-23. Available from: PubMed; PMID 17201585
- Vrbikova J, Hainer V. Obesity and polycystic ovary syndrome. *Obes Facts*. 2009;2(1):26-35. Available from: PubMed; PMID 20054201

- Vural B, Caliskan E, Turkoz E, Kilic T, Demirci A. Evaluation of metabolic syndrome frequency and premature carotid atherosclerosis in young women with polycystic ovary syndrome. *Hum Reprod*. 2005 Sep;20(9):2409-13. Available from: PubMed; PMID 15919774
- Vural P, Kusku-Kiraz Z, Dogru-Abbasoglu S, Cil E, Karadag B, Uysal M. Vascular endothelial growth factor +405 G/C, -460 T/C and -2578 A/C polymorphisms are not associated with insulin resistance in polycystic ovary syndrome. *Int J Immunogenet*. 2010 Aug;37(4):239-43. Available from: PubMed; PMID 20477880
- Wakley G, Fuller J, Qureshi B. A Muslim woman with infertility. *Practitioner*. 2000 Dec;244(1617):1005-8, 13-4. Available from: PubMed; PMID 11220168
- Walters KA, Allan CM, Handelsman DJ. Rodent models for human polycystic ovary syndrome. *Biol Reprod*. 2012;86(5):149, 1-12. Available from: PubMed; PMID 22337333
- Wang JX, Davies MJ, Norman RJ. Polycystic ovarian syndrome and the risk of spontaneous abortion following assisted reproductive technology treatment. *Hum Reprod*. 2001 Dec;16(12):2606-9. Available from: PubMed; PMID 11726582
- Wang Y, Fedorcak P, Dale PO, Storeng R, Abyholm T, Tanbo T. Simplification of continuous infusion of glucose with model assessment in the evaluation of insulin resistance in women with PCOS. *Gynecol Endocrinol*. 2001 Jun;15(3):192-7. Available from: PubMed; PMID 11447730
- Wang HS, Wang TH. Polycystic ovary syndrome (PCOS), insulin resistance and insulin-like growth factors (IGFs)/IGF-binding proteins (IGFBPs). *Chang Gung Med J*. 2003 Aug;26(8):540-53. Available from: PubMed; PMID 14609034
- Wang JG, Anderson RA, Graham GM, 3rd, Chu MC, Sauer MV, Guarnaccia MM, Lobo RA. The effect of cinnamon extract on insulin resistance parameters in polycystic ovary syndrome: a pilot study. *Fertil Steril*. 2007 Jul;88(1):240-3. Available from: PubMed; PMID 17296187
- Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):311-30. Available from: PubMed; PMID 16772160
- Weerakiet S, Lertvikool S, Tingthanatikul Y, Wansumrith S, Leelaphiwat S, Jultanas R. Ovarian reserve in women with polycystic ovary syndrome who underwent laparoscopic ovarian drilling. *Gynecol Endocrinol*. 2007;23(8):455-60. Available from: PubMed; PMID 17852413
- Weerakiet S, Sophonsritsuk A, Lertvikool S, Satirapot C, Leelaphiwat S, Jultanas R. Randomized controlled trial of different doses of metformin for ovulation induction in infertile women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2011 Sep;37(9):1229-37. Available from: PubMed; PMID 21518135
- Wei AY, Pritts EA. Therapy for polycystic ovarian syndrome. *Curr Opin Pharmacol*. 2003 Dec;3(6):678-82. Available from: PubMed; PMID 14644023
- Wei W, Zhao H, Wang A, Sui M, Liang K, Deng H, Ma Y, Zhang Y, Zhang H, Guan Y. A clinical study on the short-term effect of berberine in comparison to metformin on the metabolic characteristics of women with polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Jan;166(1):99-105. Available from: PubMed; PMID 22019891
- Weickert MO, Hodges P, Tan BK, Randeve HS. Neuroendocrine and endocrine dysfunction in the hyperinsulinemic PCOS patient: the role of metformin. *Minerva Endocrinol*. 2012 Mar;37(1):25-40. Available from: PubMed; PMID 22382613
- Westerveld HE, Hoogendoorn M, de Jong AW, Goverde AJ, Fauser BC, Dallinga-Thie GM. Cardiometabolic abnormalities in the polycystic ovary syndrome: pharmacotherapeutic insights. *Pharmacol Ther*. 2008 Sep;119(3):223-41. Available from: PubMed; PMID 18602948
- Whitaker KN. Polycystic ovary syndrome: an overview. *J Pharm Pract*. 2011 Feb;24(1):94-101. Available from: PubMed; PMID 21650066
- Wild RA, Carmina E, Diamanti-Kandarakis E, Dokras A, Escobar-Morreale HF, Futterweit W, Lobo R, Norman RJ, Talbott E, Dumesic DA. Assessment of cardiovascular risk and prevention of cardiovascular disease in women with the polycystic ovary syndrome: a consensus statement by the Androgen Excess and Polycystic Ovary Syndrome (AE-PCOS) Society. *J Clin Endocrinol Metab*. 2010 May;95(5):2038-49. Available from: PubMed; PMID 20375205
- Wild RA. Dyslipidemia in PCOS. *Steroids*. 2012 Mar 10;77(4):295-9. Available from: PubMed; PMID 22197663
- Wilson-Perez HE, Seeley RJ. The effect of vertical sleeve gastrectomy on a rat model of polycystic ovarian syndrome. *Endocrinology*. 2011 Oct;152(10):3700-5. Available from: PubMed; PMID 21810946
- Woods KS, Reyna R, Azziz R. Effect of oral micronized progesterone on androgen levels in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Jun;77(6):1125-7. Available from: PubMed; PMID 12057716
- Wright CE, Zborowski JV, Talbott EO, McHugh-Pemu K, Youk A. Dietary intake, physical activity, and obesity in women with polycystic ovary syndrome. *Int J Obes Relat*

- Metab Disord. 2004 Aug;28(8):1026-32. Available from: PubMed; PMID 15159768
- Wu X, Sallinen K, Zhou S, Su Y, Pollanen P, Erkkola R. Androgen excess contributes to altered growth hormone/insulin-like growth factor-1 axis in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2000 Apr;73(4):730-4. Available from: PubMed; PMID 10731533
- Wu XK, Zhou SY, Sallinen K, Pollanen P, Erkkola R. Ovarian-adrenal cross-talk in polycystic ovary syndrome: evidence from wedge resection. *Eur J Endocrinol*. 2000 Sep;143(3):383-8. Available from: PubMed; PMID 11022181
- Wu MH, Huang MF, Tsai SJ, Pan HA, Cheng YC, Lin YS. Effects of laparoscopic ovarian drilling on young adult women with polycystic ovarian syndrome. *J Am Assoc Gynecol Laparosc*. 2004 May;11(2):184-90. Available from: PubMed; PMID 15200772
- Wu J, Zhu Y, Jiang Y, Cao Y. Effects of metformin and ethinyl estradiol-cyproterone acetate on clinical, endocrine and metabolic factors in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Jul;24(7):392-8. Available from: PubMed; PMID 18608522
- Yarali H, Yildiz BO, Demiroglu A, Zeyneloglu HB, Yigit N, Bukulmez O, Koray Z. Co-administration of metformin during rFSH treatment in patients with clomiphene citrate-resistant polycystic ovarian syndrome: a prospective randomized trial. *Hum Reprod*. 2002 Feb;17(2):289-94. Available from: PubMed; PMID 11821265
- Yarali H, Zeyneloglu HB. Gonadotrophin treatment in patients with polycystic ovary syndrome. *Reprod Biomed Online*. 2004 May;8(5):528-37. Available from: PubMed; PMID 15151714
- Yasmin E, Glanville J, Barth J, Balen AH. Effect of dose escalation of metformin on clinical features, insulin sensitivity and androgen profile in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 May;156(1):67-71. Available from: PubMed; PMID 21277073
- Yavasoglu I, Kucuk M, Coskun A, Guney E, Kadikoylu G, Bolaman Z. Polycystic ovary syndrome and prolactinoma association. *Intern Med*. 2009;48(8):611-3. Available from: PubMed; PMID 19367058
- Yildiz BO, Gedik O. Insulin resistance in polycystic ovary syndrome: hyperandrogenemia versus normoandrogenemia. *Eur J Obstet Gynecol Reprod Biol*. 2001 Dec 10;100(1):62-6. Available from: PubMed; PMID 11728659
- Yildiz BO. Recent advances in the treatment of polycystic ovary syndrome. *Expert Opin Investig Drugs*. 2004 Oct;13(10):1295-305. Available from: PubMed; PMID 15461558
- Yildiz BO, Azziz R. The adrenal and polycystic ovary syndrome. *Rev Endocr Metab Disord*. 2007 Dec;8(4):331-42. Available from: PubMed; PMID 17932770
- Yildiz BO. Oral contraceptives in polycystic ovary syndrome: risk-benefit assessment. *Semin Reprod Med*. 2008 Jan;26(1):111-20. Available from: PubMed; PMID 18181089
- Yildizhan R, Adali E, Kulusari A, Kurdoglu M, Yildizhan B, Sahin HG, Kamaci M. Ovarian stimulation in obese and non-obese polycystic ovary syndrome using a low-dose step-up regimen with two different starting doses of recombinant follicle-stimulating hormone. *J Int Med Res*. 2008 Nov-Dec;36(6):1197-204. Available from: PubMed; PMID 19094427
- Yilmaz M, Biri A, Karakoc A, Toruner F, Bingol B, Cakir N, Tiras B, Ayvaz G, Arslan M. The effects of rosiglitazone and metformin on insulin resistance and serum androgen levels in obese and lean patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2005 Dec;28(11):1003-8. Available from: PubMed; PMID 16483179
- Yilmaz M, Bukan N, Ayvaz G, Karakoc A, Toruner F, Cakir N, Arslan M. The effects of rosiglitazone and metformin on oxidative stress and homocysteine levels in lean patients with polycystic ovary syndrome. *Hum Reprod*. 2005 Dec;20(12):3333-40. Available from: PubMed; PMID 16123091
- Yilmaz M, Ergun MA, Karakoc A, Yurtcu E, Yetkin I, Ayvaz G, Cakir N, Arslan M. Pro12Ala polymorphism of the peroxisome proliferator-activated receptor-gamma gene in first-degree relatives of subjects with polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 Oct;21(4):206-10. Available from: PubMed; PMID 16316841
- Yilmaz N, Pektas M, Tonguc E, Kilic S, Gulerman C, Gungor T, Mollamahmutoglu L. The correlation of plasma homocysteine with insulin resistance in polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2008 Jun;34(3):384-91. Available from: PubMed; PMID 18686355
- Yilmaz N, Uygur D, Dogan M, Ozgu E, Salman B, Mollamahmutoglu L. The effect of follicular antimullerian hormone levels of non-obese, non-hyperandrogenemic polycystic ovary syndrome patients on assisted reproduction outcome. *Gynecol Endocrinol*. 2012 Mar;28(3):162-5. Available from: PubMed; PMID 22103791
- Yoshida K, Yamaguchi M, Morinaga T, Ikeuchi M, Kinehara M, Ashida H. Genetic modification of *Bacillus subtilis* for production of D-chiro-inositol, an investigational drug candidate for treatment of type 2 diabetes and polycystic ovary syndrome. *Appl Environ Microbiol*. 2006 Feb;72(2):1310-5. Available from: PubMed; PMID 16461681



Young IS, Nicholls DP. Lipid metabolism. *Curr Opin Lipidol*. 2010 Dec;21(6):550-1. Available from: PubMed; PMID 21206344

Zacur HA. Polycystic ovary syndrome, hyperandrogenism, and insulin resistance. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):21-33. Available from: PubMed; PMID 11293002

Zafar S. Role of metformin in correcting hyperinsulinemia, menstrual irregularity and anovulation in polycystic ovary syndrome. *J Ayub Med Coll Abbottabad*. 2005 Oct-Dec;17(4):54-6. Available from: PubMed; PMID 16599037

Zapanti E, Kiapekou E, Loutradis D. Treatment options of polycystic ovary syndrome in adolescence. *Pediatr Endocrinol Rev*. 2006 Jan;3 Suppl 1:208-13. Available from: PubMed; PMID 16641862

Zhai HL, Wu H, Xu H, Weng P, Xia FZ, Chen Y, Lu YL. Trace glucose and lipid metabolism in high androgen and high-fat diet induced polycystic ovary syndrome rats. *Reprod Biol Endocrinol*. 2012;10:5. Available from: PubMed; PMID 22276997

Zhai J, Liu CX, Tian ZR, Jiang QH, Sun YP. Effects of metformin on the expression of GLUT4 in endometrium of obese women with polycystic ovary syndrome. *Biol Reprod*. 2012 Aug;87(2):29. Available from: PubMed; PMID 22572996

Zhang H, Legro RS, Zhang J, Zhang L, Chen X, Huang H, Casson PR, Schlaff WD, Diamond MP, Krawetz SA, Coutifaris C, Brzyski RG, Christman GM, Santoro N, Eisenberg E. Decision trees for identifying predictors of treatment effectiveness in clinical trials and its application to ovulation in a study of women with polycystic ovary syndrome. *Hum Reprod*. 2010 Oct;25(10):2612-21. Available from: PubMed; PMID 20716558

Ziaee A, Oveisi S, Abedini A, Hashemipour S, Karimzadeh T, Ghorbani A. Effect of metformin and pioglitazone treatment on cardiovascular risk profile in polycystic ovary syndrome. *Acta Med Indones*. 2012 Jan;44(1):16-22. Available from: PubMed; PMID 22451180

Zidenberg N, Wright S. Care of the overweight adolescent including polycystic ovarian syndrome. *Clin Obstet Gynecol*. 2008 Jun;51(2):249-56. Available from: PubMed; PMID 18463456

Zulian E, Sartorato P, Benedini S, Baro G, Armanini D, Mantero F, Scaroni C. Spironolactone in the treatment of polycystic ovary syndrome: effects on clinical features, insulin sensitivity and lipid profile. *J Endocrinol Invest*. 2005 Jan;28(1):49-53. Available from: PubMed; PMID 15816371

## Management of Reproductive Phenotypes

Correction: Priming with Human Chorionic Gonadotropin before Retrieval of Immature Oocytes in Women with Infertility Due to the Polycystic Ovary Syndrome. *N Engl J Med*. 2000 Jan 20;342(3):213-24. Available from: PubMed; PMID 10639551

Genetic analyses of reproductive function. *Reprod Biomed Online*. 2005 Feb;10(2):204. Available from: PubMed; PMID 15823224

Clomiphene or metformin for PCOS infertility? *J Fam Pract*. 2007 May;56(5):349. Available from: PubMed; PMID 17607841

Consensus on infertility treatment related to polycystic ovary syndrome. *Hum Reprod*. 2008 Mar;23(3):462-77. Available from: PubMed; PMID 18308833

Consensus on infertility treatment related to polycystic ovary syndrome. *Fertil Steril*. 2008 Mar;89(3):505-22. Available from: PubMed; PMID 18243179

Abbas M, Gannon M. The use of metformin as first line treatment in polycystic ovary syndrome. *Ir Med J*. 2008 Feb;101(2):51-3. Available from: PubMed; PMID 18450250

Abd El Aal DE, Mohamed SA, Amine AF, Meki AR. Vascular endothelial growth factor and insulin-like growth factor-1 in polycystic ovary syndrome and their relation to ovarian blood flow. *Eur J Obstet Gynecol Reprod Biol*. 2005 Feb 1;118(2):219-24. Available from: PubMed; PMID 15653207

Abdellah MS. Reproductive outcome after letrozole versus laparoscopic ovarian drilling for clomiphene-resistant polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2011 Jun;113(3):218-21. Available from: PubMed; PMID 21457973

Abdulghani M, Hussin AH, Sulaiman SA, Chan KL. The ameliorative effects of *Eurycoma longifolia* Jack on testosterone-induced reproductive disorders in female rats. *Reprod Biol*. 2012 Jul;12(2):247-55. Available from: PubMed; PMID 22850474

Aboulghar M, Saber W, Amin Y, Aboulghar M, Mansour R, Serour G. Prospective, randomized study comparing highly purified urinary follicle-stimulating hormone (FSH) and recombinant FSH for in vitro fertilization/intracytoplasmic sperm injection in patients with polycystic ovary syndrome. *Fertil Steril*. 2010 Nov;94(6):2332-4. Available from: PubMed; PMID 20188364

Abu Hashim H, Anwar K, El-Fatah RA. N-acetyl cysteine plus clomiphene citrate versus metformin and clomiphene

citrate in treatment of clomiphene-resistant polycystic ovary syndrome: a randomized controlled trial. *J Womens Health (Larchmt)*. 2010 Nov;19(11):2043-8. Available from: PubMed; PMID 20939675

Abu Hashim H, Shokeir T, Badawy A. Letrozole versus combined metformin and clomiphene citrate for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril*. 2010 Sep;94(4):1405-9. Available from: PubMed; PMID 19732888

Abu Hashim H, El Lakany N, Sherief L. Combined metformin and clomiphene citrate versus laparoscopic ovarian diathermy for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a randomized controlled trial. *J Obstet Gynaecol Res*. 2011 Mar;37(3):169-77. Available from: PubMed; PMID 21114583

Abu Hashim H, Foda O, Ghayaty E, Elawa A. Laparoscopic ovarian diathermy after clomiphene failure in polycystic ovary syndrome: is it worthwhile? A randomized controlled trial. *Arch Gynecol Obstet*. 2011 Nov;284(5):1303-9. Available from: PubMed; PMID 21755338

Abu Hashim H, Bazeed M, Abd Elaali I. Minimal stimulation or clomiphene citrate as first-line therapy in women with polycystic ovary syndrome: a randomized controlled trial. *Gynecol Endocrinol*. 2012 Feb;28(2):87-90. Available from: PubMed; PMID 21770837

Adali E, Kolusari A, Adali F, Yildizhan R, Kurdoglu M, Sahin HG. Doppler analysis of uterine perfusion and ovarian stromal blood flow in polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2009 May;105(2):154-7. Available from: PubMed; PMID 19232596

Adams JM, Taylor AE, Crowley WF, Jr., Hall JE. Polycystic ovarian morphology with regular ovulatory cycles: insights into the pathophysiology of polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2004 Sep;89(9):4343-50. Available from: PubMed; PMID 15356031

Agdi M, Zarei A, Al-Sannan B, Tulandi T, Tan SL. Effects of ovarian puncture for in vitro maturation on subsequent in vitro fertilization cycle in women with polycystic ovaries. *Fertil Steril*. 2010 Jun;94(1):381-3. Available from: PubMed; PMID 20004390

Aherne SA. Polycystic ovary syndrome. *Nurs Stand*. 2004 Mar 10-16;18(26):40-4. Available from: PubMed; PMID 15052762

Ahmed MI, Duleba AJ, El Shahat O, Ibrahim ME, Salem A. Naltrexone treatment in clomiphene resistant women with polycystic ovary syndrome. *Hum Reprod*. 2008 Nov;23(11):2564-9. Available from: PubMed; PMID 18641399

Ajossa S, Guerriero S, Paoletti AM, Orru M, Floris S, Mannias M, Melis GB. Uterine perfusion and hormonal pattern in patients with polycystic ovary syndrome. *J Assist Reprod Genet*. 2001 Aug;18(8):436-40. Available from: PubMed; PMID 11599464

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. Hyperinsulinemia and uterine perfusion in patients with polycystic ovary syndrome. *Ultrasound Obstet Gynecol*. 2002 Sep;20(3):276-80. Available from: PubMed; PMID 12230452

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. The antiandrogenic effect of flutamide improves uterine perfusion in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Jun;77(6):1136-40. Available from: PubMed; PMID 12057718

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. The treatment of polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):15-26. Available from: PubMed; PMID 14973407

Al-Azemi M, Omu FE, Omu AE. The effect of obesity on the outcome of infertility management in women with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2004 Dec;270(4):205-10. Available from: PubMed; PMID 12955532

Alborzi S, Khodae R, Parsanejad ME. Ovarian size and response to laparoscopic ovarian electro-cauterization in polycystic ovarian disease. *Int J Gynaecol Obstet*. 2001 Sep;74(3):269-74. Available from: PubMed; PMID 11543751

Alborzi S, Tavazoo F, Dehaghani AS, Ghaderi A, Alborzi S, Alborzi M. Determination of antiovarian antibodies after laparoscopic ovarian electrocauterization in patients with polycystic ovary syndrome. *Fertil Steril*. 2009 Apr;91(4):1159-63. Available from: PubMed; PMID 18439597

Alemzadeh R, Kansra AR. New adolescent polycystic ovary syndrome perspectives. *Minerva Pediatr*. 2011 Feb;63(1):35-47. Available from: PubMed; PMID 21311428

Aleyasin A, Aghahoseini M, Mokhtar S, Fallahi P. Anti-mullerian hormone as a predictive factor in assisted reproductive technique of polycystic ovary syndrome patients. *Acta Med Iran*. 2011;49(11):715-20. Available from: PubMed; PMID 22131240

Al-Fadhli R, Tulandi T. Laparoscopic treatment of polycystic ovaries: is its place diminishing? *Curr Opin Obstet Gynecol*. 2004 Aug;16(4):295-8. Available from: PubMed; PMID 15232482

Al-Inany H, Johnson N. Drugs for anovulatory infertility in polycystic ovary syndrome. *BMJ*. 2006 Jun 24;332(7556):1461-2. Available from: PubMed; PMID 16793784

Allahbadia GN, Merchant R. Polycystic ovary syndrome in the Indian Subcontinent. *Semin Reprod Med.* 2008 Jan;26(1):22-34. Available from: PubMed; PMID 18181079

Allolio B. Understanding polycystic ovarian syndrome. *Curr Opin Investig Drugs.* 2005 Oct;6(10):978. Available from: PubMed; PMID 16259217

Al-Mizyzen E, Grudzinskas JG. Unilateral laparoscopic ovarian diathermy in infertile women with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril.* 2007 Dec;88(6):1678-80. Available from: PubMed; PMID 17451693

Al-Ruhaily AD, Malabu UH, Sulimani RA. Hirsutism in Saudi females of reproductive age: a hospital-based study. *Ann Saudi Med.* 2008 Jan-Feb;28(1):28-32. Available from: PubMed; PMID 18299651

Amalfi S, Velez LM, Heber MF, Vighi S, Ferreira SR, Orozco AV, Pignataro O, Motta AB. Prenatal hyperandrogenization induces metabolic and endocrine alterations which depend on the levels of testosterone exposure. *PLoS One.* 2012;7(5):e37658. Available from: PubMed; PMID 22655062

Amato G, Conte M, Mazziotti G, Lalli E, Vitolo G, Tucker AT, Bellastella A, Carella C, Izzo A. Serum and follicular fluid cytokines in polycystic ovary syndrome during stimulated cycles. *Obstet Gynecol.* 2003 Jun;101(6):1177-82. Available from: PubMed; PMID 12798522

Amer SA, Banu Z, Li TC, Cooke ID. Long-term follow-up of patients with polycystic ovary syndrome after laparoscopic ovarian drilling: endocrine and ultrasonographic outcomes. *Hum Reprod.* 2002 Nov;17(11):2851-7. Available from: PubMed; PMID 12407038

Amer SA, Li TC, Cooke ID. Repeated laparoscopic ovarian diathermy is effective in women with anovulatory infertility due to polycystic ovary syndrome. *Fertil Steril.* 2003 May;79(5):1211-5. Available from: PubMed; PMID 12738520

Amer SA, Li TC, Ledger WL. The value of measuring anti-Mullerian hormone in women with anovulatory polycystic ovary syndrome undergoing laparoscopic ovarian diathermy. *Hum Reprod.* 2009 Nov;24(11):2760-6. Available from: PubMed; PMID 19640893

Amer SA, Li TC, Metwally M, Emarh M, Ledger WL. Randomized controlled trial comparing laparoscopic ovarian diathermy with clomiphene citrate as a first-line method of ovulation induction in women with polycystic ovary syndrome. *Hum Reprod.* 2009 Jan;24(1):219-25. Available from: PubMed; PMID 18794162

Amin AF, Abd el-Aal DE, Darwish AM, Meki AR. Evaluation of the impact of laparoscopic ovarian drilling on

Doppler indices of ovarian stromal blood flow, serum vascular endothelial growth factor, and insulin-like growth factor-1 in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Apr;79(4):938-41. Available from: PubMed; PMID 12749434

Amin M, Abdel-Kareem O, Takekida S, Moriyama T, Abd el-Aal G, Maruo T. Minireview: Up-date management of non responder to clomiphene citrate in polycystic ovary syndrome. *Kobe J Med Sci.* 2003;49(3-4):59-73. Available from: PubMed; PMID 14676484

Anate M, Olatinwo AW. Anovulatory infertility: a report of four cases and literature review. *Niger J Med.* 2001 Apr-Jun;10(2):85-90. Available from: PubMed; PMID 11705066

Api M, Gorgen H, Cetin A. Laparoscopic ovarian drilling in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2005 Mar 1;119(1):76-81. Available from: PubMed; PMID 15734089

Api M. Could transvaginal, ultrasound-guided ovarian interstitial laser treatment replace laparoscopic ovarian drilling in women with polycystic ovary syndrome resistant to clomiphene citrate? *Fertil Steril.* 2009 Dec;92(6):2039-40. Available from: PubMed; PMID 19608164

Api M. Is there any difference among the most frequently used laparoscopic ovarian drilling techniques? *Fertil Steril.* 2009 Jun;91(6):e9; author reply e10. Available from: PubMed; PMID 19362714

Araki T, Elias R, Rosenwaks Z, Poretsky L. Achieving a successful pregnancy in women with polycystic ovary syndrome. *Endocrinol Metab Clin North Am.* 2011 Dec;40(4):865-94. Available from: PubMed; PMID 22108285

Artini PG, Ruggiero M, Parisen Toldin MR, Monteleone P, Monti M, Cela V, Genazzani AR. Vascular endothelial growth factor and its soluble receptor in patients with polycystic ovary syndrome undergoing IVF. *Hum Fertil (Camb).* 2009 Mar;12(1):40-4. Available from: PubMed; PMID 19330612

Artini PG, Di Berardino OM, Simi G, Papini F, Ruggiero M, Monteleone P, Cela V. Best methods for identification and treatment of PCOS. *Minerva Ginecol.* 2010 Feb;62(1):33-48. Available from: PubMed; PMID 20186113

Aruna J, Mittal S, Kumar S, Misra R, Dadhwal V, Vimala N. Metformin therapy in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2004 Dec;87(3):237-41. Available from: PubMed; PMID 15548396

Ashrafinia M, Hosseini R, Moini A, Eslami B, Asgari Z. Comparison of metformin treatment and laparoscopic ovarian diathermy in patients with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2009 Dec;107(3):236-9. Available from: PubMed; PMID 19729161

Atay V, Cam C, Muhcu M, Cam M, Karateke A. Comparison of letrozole and clomiphene citrate in women with polycystic ovaries undergoing ovarian stimulation. *J Int Med Res.* 2006 Jan-Feb;34(1):73-6. Available from: PubMed; PMID 16604826

Atis A, Aydin Y, Ciftci F, Sakiz D, Arslan A, Toklu AS, Donmez M, Goker N. Hyperbaric oxygen increases atresia in normal & steroid induced PCO rat ovaries. *Reprod Biol Endocrinol.* 2012;10:11. Available from: PubMed; PMID 22309835

Aubuchon M, Lieman H, Stein D, Cohen HW, Isaac B, Adel G, Weitzman V, Tetrokalashvili M, Polotsky AJ, Santoro N. Metformin does not improve the reproductive or metabolic profile in women with polycystic ovary syndrome (PCOS). *Reprod Sci.* 2009 Oct;16(10):938-46. Available from: PubMed; PMID 19692630

Aubuchon M, Kunselman AR, Schlaff WD, Diamond MP, Coutifaris C, Carson SA, Steinkampf MP, Carr BR, McGovern PG, Cataldo NA, Gosman GG, Nestler JE, Myers ER, Legro RS. Metformin and/or clomiphene do not adversely affect liver or renal function in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Oct;96(10):E1645-9. Available from: PubMed; PMID 21832111

Aubuchon M, Legro RS. Polycystic ovary syndrome: current infertility management. *Clin Obstet Gynecol.* 2011 Dec;54(4):675-84. Available from: PubMed; PMID 22031257

Awonuga AO, Schenone MH, Abdallah ME, Yelian FD, Diamond MP, Puscheck EE. Non-adherence to instructions to cancel a cycle in a patient overstimulated with gonadotropins in a planned intrauterine insemination cycle. *J Clin Ethics.* 2009 Fall;20(3):235-8. Available from: PubMed; PMID 19845194

Badawy A, State O, Abdelgawad S. N-Acetyl cysteine and clomiphene citrate for induction of ovulation in polycystic ovary syndrome: a cross-over trial. *Acta Obstet Gynecol Scand.* 2007;86(2):218-22. Available from: PubMed; PMID 17364286

Badawy A, Mosbah A, Shady M. Anastrozole or letrozole for ovulation induction in clomiphene-resistant women with polycystic ovarian syndrome: a prospective randomized trial. *Fertil Steril.* 2008 May;89(5):1209-12. Available from: PubMed; PMID 17686479

Badawy A, Abdel Aal I, Abulatta M. Clomiphene citrate or anastrozole for ovulation induction in women with polycystic ovary syndrome? A prospective controlled trial. *Fertil Steril.* 2009 Sep;92(3):860-3. Available from: PubMed; PMID 18166179

Badawy A, Abdel Aal I, Abulatta M. Clomiphene citrate or letrozole for ovulation induction in women with polycystic ovarian syndrome: a prospective randomized trial. *Fertil*

*Steril.* 2009 Sep;92(3):849-52. Available from: PubMed; PMID 17582406

Badawy A, Inany H, Mosbah A, Abulatta M. Luteal phase clomiphene citrate for ovulation induction in women with polycystic ovary syndrome: a novel protocol. *Fertil Steril.* 2009 Mar;91(3):838-41. Available from: PubMed; PMID 18314112

Badawy A, Khiary M, Ragab A, Hassan M, Sherief L. Ultrasound-guided transvaginal ovarian needle drilling (UTND) for treatment of polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril.* 2009 Apr;91(4):1164-7. Available from: PubMed; PMID 18342858

Badawy A, Mosbah A, Tharwat A, Eid M. Extended letrozole therapy for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a novel protocol. *Fertil Steril.* 2009 Jul;92(1):236-9. Available from: PubMed; PMID 18706549

Badawy A, Gibreal A. Clomiphene citrate versus tamoxifen for ovulation induction in women with PCOS: a prospective randomized trial. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):151-4. Available from: PubMed; PMID 21831503

Baghdadi LR, Abu Hashim H, Amer SA, Palomba S, Falbo A, Al-Ojaimi E, Ott J, Zhu W, Fernandez H, Nasr A, Ramzy AM, Clark J, Doi SA. Impact of obesity on reproductive outcomes after ovarian ablative therapy in PCOS: a collaborative meta-analysis. *Reprod Biomed Online.* 2012 Sep;25(3):227-41. Available from: PubMed; PMID 22809865

Bahceci M, Ulug U, Ben-Shlomo I, Erden HF, Akman MA. Use of a GnRH antagonist in controlled ovarian hyperstimulation for assisted conception in women with polycystic ovary disease: a randomized, prospective, pilot study. *J Reprod Med.* 2005 Feb;50(2):84-90. Available from: PubMed; PMID 15755044

Baillargeon JP. Use of insulin sensitizers in polycystic ovarian syndrome. *Curr Opin Investig Drugs.* 2005 Oct;6(10):1012-22. Available from: PubMed; PMID 16259222

Baka S, Zourla K, Kouskouni E, Makrakis E, Demeridou S, Tzanakaki D, Hassiakos D, Creatsas G. Matrix metalloproteinases 2 and 9 and their tissue inhibitors in the follicular fluid of patients with polycystic ovaries undergoing in vitro fertilisation. *In Vivo.* 2010 May-Jun;24(3):293-6. Available from: PubMed; PMID 20555001

Balasz J, Fabregues F, Creus M, Casamitjana R, Puerto B, Vanrell JA. Recombinant human follicle-stimulating hormone for ovulation induction in polycystic ovary syndrome: a prospective, randomized trial of two starting doses in a chronic low-dose step-up protocol. *J Assist*

Reprod Genet. 2000 Nov;17(10):561-5. Available from: PubMed; PMID 11209536

Balasz J, Fabregues F, Creus M, Puerto B, Penarrubia J, Vanrell JA. Follicular development and hormone concentrations following recombinant FSH administration for anovulation associated with polycystic ovarian syndrome: prospective, randomized comparison between low-dose step-up and modified step-down regimens. Hum Reprod. 2001 Apr;16(4):652-6. Available from: PubMed; PMID 11278212

Balasz J, Fabregues F, Casamitjana R, Penarrubia J, Vanrell JA. A pharmacokinetic and endocrine comparison of recombinant follicle-stimulating hormone and human menopausal gonadotrophin in polycystic ovary syndrome. Reprod Biomed Online. 2003 Apr-May;6(3):296-301. Available from: PubMed; PMID 12735863

Balen A. Ovulation induction--optimizing results and minimizing risks. Hum Fertil (Camb). 2003 May;6 Suppl 1:S42-51. Available from: PubMed; PMID 12869779

Balen AH, Dresner M, Scott EM, Drife JO. Should obese women with polycystic ovary syndrome receive treatment for infertility? BMJ. 2006 Feb 25;332(7539):434-5. Available from: PubMed; PMID 16497735

Balen A, Platteau P, Andersen AN, Devroey P, Helmggaard L, Arce JC. Highly purified FSH is as efficacious as recombinant FSH for ovulation induction in women with WHO Group II anovulatory infertility: a randomized controlled non-inferiority trial. Hum Reprod. 2007 Jul;22(7):1816-23. Available from: PubMed; PMID 17449511

Balen AH. Is metformin the treatment of choice for anovulation in polycystic ovary syndrome? Nat Clin Pract Endocrinol Metab. 2007 Jun;3(6):440-1. Available from: PubMed; PMID 17515889

Balen AH, Rutherford AJ. Managing anovulatory infertility and polycystic ovary syndrome. BMJ. 2007 Sep 29;335(7621):663-6. Available from: PubMed; PMID 17901517

Bals-Pratsch M, Grosser B, Seifert B, Ortmann O, Seifarth C. Early onset and high prevalence of gestational diabetes in PCOS and insulin resistant women before and after assisted reproduction. Exp Clin Endocrinol Diabetes. 2011 Jun;119(6):338-42. Available from: PubMed; PMID 21374548

Banerjee Ray P, Ray A, Chakraborti PS. Comparison of efficacy of letrozole and clomiphene citrate in ovulation induction in Indian women with polycystic ovarian syndrome. Arch Gynecol Obstet. 2012 Mar;285(3):873-7. Available from: PubMed; PMID 21984038

Banning M. Symptoms and treatments of polycystic ovary syndrome. Br J Nurs. 2006 Jun 22-Jul 12;15(12):635-9. Available from: PubMed; PMID 16835536

Baran S, Api M, Goksedef BP, Cetin A. Comparison of metformin and clomiphene citrate therapy for induction of ovulation in the polycystic ovary syndrome. Arch Gynecol Obstet. 2010 Oct;282(4):439-43. Available from: PubMed; PMID 20473763

Baravalle C, Salvetti NR, Mira GA, Pezzone N, Ortega HH. Microscopic characterization of follicular structures in letrozole-induced polycystic ovarian syndrome in the rat. Arch Med Res. 2006 Oct;37(7):830-9. Available from: PubMed; PMID 16971221

Barber TM, Wass JA, McCarthy MI, Franks S. Metabolic characteristics of women with polycystic ovaries and oligo-amenorrhoea but normal androgen levels: implications for the management of polycystic ovary syndrome. Clin Endocrinol (Oxf). 2007 Apr;66(4):513-7. Available from: PubMed; PMID 17371468

Barbieri RL, Gargiulo AR. Metformin for the treatment of the polycystic ovary syndrome. Minerva Ginecol. 2004 Feb;56(1):63-79. Available from: PubMed; PMID 14973411

Barbieri RL. Clomiphene versus metformin for ovulation induction in polycystic ovary syndrome: the winner is. J Clin Endocrinol Metab. 2007 Sep;92(9):3399-401. Available from: PubMed; PMID 17823274

Barnett DK, Abbott DH. Reproductive adaptations to a large-brained fetus open a vulnerability to anovulation similar to polycystic ovary syndrome. Am J Hum Biol. 2003 May-Jun;15(3):296-319. Available from: PubMed; PMID 12704707

Barron ML. Proactive management of menstrual cycle abnormalities in young women. J Perinat Neonatal Nurs. 2004 Apr-Jun;18(2):81-92. Available from: PubMed; PMID 15214247

Baruah J, Roy KK, Rahman SM, Kumar S, Sharma JB, Karmakar D. Endometrial effects of letrozole and clomiphene citrate in women with polycystic ovary syndrome using spiral artery Doppler. Arch Gynecol Obstet. 2009 Mar;279(3):311-4. Available from: PubMed; PMID 18597100

Bates GW, Shomento S, McKnight K, McLean HM. Novel clomiphene protocol in polycystic ovarian syndrome: Hurst et al. Am J Obstet Gynecol. 2009 May;200(5):586-7. Available from: PubMed; PMID 19375576

Bates GW, Shomento S, McKnight K, McLean HM. Discussion: 'Novel clomiphene protocol in polycystic ovarian syndrome' by Hurst et al. Am J Obstet Gynecol. 2009 May;200(5):e1-3. Available from: PubMed; PMID 19375561

Battaglia C, Regnani G, Artini PG, Giulini S, Genazzani AD, Genazzani AR, Volpe A. Polycystic ovary syndrome: a new ultrasonographic and color Doppler pattern. Gynecol

Endocrinol. 2000 Dec;14(6):417-24. Available from: PubMed; PMID 11228062

Battaglia C. The role of ultrasound and Doppler analysis in the diagnosis of polycystic ovary syndrome. *Ultrasound Obstet Gynecol.* 2003 Sep;22(3):225-32. Available from: PubMed; PMID 12942492

Battaglia C, Mancini F, Battaglia B, Facchinetti F, Artini PG, Venturoli S. L-arginine plus drospirenone-ethinyl estradiol in the treatment of patients with PCOS: a prospective, placebo controlled, randomised, pilot study. *Gynecol Endocrinol.* 2010 Dec;26(12):861-8. Available from: PubMed; PMID 20642382

Battaglia C, Mancini F, Fabbri R, Persico N, Busacchi P, Facchinetti F, Venturoli S. Polycystic ovary syndrome and cardiovascular risk in young patients treated with drospirenone-ethinylestradiol or contraceptive vaginal ring. A prospective, randomized, pilot study. *Fertil Steril.* 2010 Sep;94(4):1417-25. Available from: PubMed; PMID 19591981

Batukan C, Baysal B. Metformin improves ovulation and pregnancy rates in patients with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2001 Aug;265(3):124-7. Available from: PubMed; PMID 11561739

Bauer J, Jarre A, Klingmuller D, Elger CE. Polycystic ovary syndrome in patients with focal epilepsy: a study in 93 women. *Epilepsy Res.* 2000 Sep;41(2):163-7. Available from: PubMed; PMID 10940617

Bauer J, Isojarvi JI, Herzog AG, Reuber M, Polson D, Tauboll E, Genton P, van der Ven H, Roesing B, Luef GJ, Galimberti CA, van Parys J, Flugel D, Bergmann A, Elger CE. Reproductive dysfunction in women with epilepsy: recommendations for evaluation and management. *J Neurol Neurosurg Psychiatry.* 2002 Aug;73(2):121-5. Available from: PubMed; PMID 12122167

Bayar U, Basaran M, Kiran S, Coskun A, Gezer S. Use of an aromatase inhibitor in patients with polycystic ovary syndrome: a prospective randomized trial. *Fertil Steril.* 2006 Nov;86(5):1447-51. Available from: PubMed; PMID 17070196

Bayrak A, Terbell H, Urwitz-Lane R, Mor E, Stanczyk FZ, Paulson RJ. Acute effects of metformin therapy include improvement of insulin resistance and ovarian morphology. *Fertil Steril.* 2007 Apr;87(4):870-5. Available from: PubMed; PMID 17224152

Bayram N, van Wely M, Vandekerckhove P, Lilford R, van Der Veen F. Pulsatile luteinising hormone releasing hormone for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD000412. Available from: PubMed; PMID 10796718

Bayram N, van Wely M, van Der Veen F. Recombinant FSH versus urinary gonadotrophins or recombinant FSH

for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2001 (2):CD002121. Available from: PubMed; PMID 11406034

Bayram N, van Wely M, Kaaijk EM, Bossuyt PM, van der Veen F. Using an electrocautery strategy or recombinant follicle stimulating hormone to induce ovulation in polycystic ovary syndrome: randomised controlled trial. *BMJ.* 2004 Jan 24;328(7433):192. Available from: PubMed; PMID 14739186

Bayram N, van Wely M, van der Veen F. Pulsatile gonadotrophin releasing hormone for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2004 (1):CD000412. Available from: PubMed; PMID 14973957

Bayram N, van Wely M, van der Veen F, Bossuyt PM, Nieuwkerk P. Treatment preferences and trade-offs for ovulation induction in clomiphene citrate-resistant patients with polycystic ovary syndrome. *Fertil Steril.* 2005 Aug;84(2):420-5. Available from: PubMed; PMID 16084884

Begum MR, Ferdous J, Begum A, Quadir E. Comparison of efficacy of aromatase inhibitor and clomiphene citrate in induction of ovulation in polycystic ovarian syndrome. *Fertil Steril.* 2009 Sep;92(3):853-7. Available from: PubMed; PMID 18177867

Bell DS. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 May 10;356(19):1999-2000; author reply -1. Available from: PubMed; PMID 17506159

Belli SH, Graffigna MN, Oneto A, Otero P, Schurman L, Levalle OA. Effect of rosiglitazone on insulin resistance, growth factors, and reproductive disturbances in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Mar;81(3):624-9. Available from: PubMed; PMID 15037412

Bellver J, Martinez-Conejero JA, Labarta E, Alama P, Melo MA, Remohi J, Pellicer A, Horcajadas JA. Endometrial gene expression in the window of implantation is altered in obese women especially in association with polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):2335-41, 41 e1-8. Available from: PubMed; PMID 21481376

Ben-Haroush A, Yogev Y, Fisch B. Insulin resistance and metformin in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Aug 10;115(2):125-33. Available from: PubMed; PMID 15262344

Berker B, Kaya C, Aytac R, Satiroglu H. Homocysteine concentrations in follicular fluid are associated with poor oocyte and embryo qualities in polycystic ovary syndrome patients undergoing assisted reproduction. *Hum Reprod.* 2009 Sep;24(9):2293-302. Available from: PubMed; PMID 19443458

Bernuci MP, Szawka RE, Helena CV, Leite CM, Lara HE, Anselmo-Franci JA. Locus coeruleus mediates cold stress-induced polycystic ovary in rats. *Endocrinology*. 2008 Jun;149(6):2907-16. Available from: PubMed; PMID 18308852

Beydoun HA, Stadtmauer L, Zhao Y, Russell H, Matson DO, Oehninger S. Impact of polycystic ovary syndrome on selected indicators of in vitro fertilization and intracytoplasmic sperm injection treatment success. *J Womens Health (Larchmt)*. 2009 May;18(5):717-23. Available from: PubMed; PMID 19368509

Bhagavath B, Carson SA. Ovulation induction in women with polycystic ovary syndrome: an update. *Am J Obstet Gynecol*. 2012 Mar;206(3):195-8. Available from: PubMed; PMID 21831351

Bili H, Laven J, Imani B, Eijkemans MJ, Fauser BC. Age-related differences in features associated with polycystic ovary syndrome in normogonadotrophic oligo-amenorrhoeic infertile women of reproductive years. *Eur J Endocrinol*. 2001 Dec;145(6):749-55. Available from: PubMed; PMID 11720900

Billa E, Kapolla N, Nicopoulou SC, Koukkou E, Venaki E, Milingos S, Antsaklis A, Adamopoulos DA. Metformin administration was associated with a modification of LH, prolactin and insulin secretion dynamics in women with polycystic ovarian syndrome. *Gynecol Endocrinol*. 2009 Jul;25(7):427-34. Available from: PubMed; PMID 19533481

Blank SK, Helm KD, McCartney CR, Marshall JC. Polycystic ovary syndrome in adolescence. *Ann N Y Acad Sci*. 2008;1135:76-84. Available from: PubMed; PMID 18574211

Bloomgarden ZT, Futterweit W, Poretsky L. Use of insulin-sensitizing agents in patients with polycystic ovary syndrome. *Endocr Pract*. 2001 Jul-Aug;7(4):279-86. Available from: PubMed; PMID 11497481

Bokal EV, Vrtovec HM, Virant Klun I, Verdenik I. Prolonged HCG action affects angiogenic substances and improves follicular maturation, oocyte quality and fertilization competence in patients with polycystic ovarian syndrome. *Hum Reprod*. 2005 Jun;20(6):1562-8. Available from: PubMed; PMID 15734758

Boomsma CM, Eijkemans MJ, Hughes EG, Visser GH, Fauser BC, Macklon NS. A meta-analysis of pregnancy outcomes in women with polycystic ovary syndrome. *Hum Reprod Update*. 2006 Nov-Dec;12(6):673-83. Available from: PubMed; PMID 16891296

Bouchard P. Treatment of infertility in women with polycystic ovary syndrome. *Ann Endocrinol (Paris)*. 2010 May;71(3):225-7. Available from: PubMed; PMID 20394912

Bowen-Simpkins P. Detecting polycystic ovary syndrome. *Practitioner*. 2007 Mar;251(1692):51-2, 4-6. Available from: PubMed; PMID 17441487

Branigan EF, Estes A, Walker K, Rothgeb J. Thorough sonographic oocyte retrieval during in vitro fertilization produces results similar to ovarian wedge resection in patients with clomiphene citrate-resistant polycystic ovarian syndrome. *Am J Obstet Gynecol*. 2006 Jun;194(6):1696-700; discussion 700-1. Available from: PubMed; PMID 16731088

Brassard M, AinMelk Y, Baillargeon JP. Basic infertility including polycystic ovary syndrome. *Med Clin North Am*. 2008 Sep;92(5):1163-92, xi. Available from: PubMed; PMID 18721657

Brown J, Farquhar C, Beck J, Boothroyd C, Hughes E. Clomiphene and anti-oestrogens for ovulation induction in PCOS. *Cochrane Database Syst Rev*. 2009 (4):CD002249. Available from: PubMed; PMID 19821295

Bruni V, Dei M, Pontello V, Vangelisti P. The management of polycystic ovary syndrome. *Ann N Y Acad Sci*. 2003 Nov;997:307-21. Available from: PubMed; PMID 14644838

Buckett WM, Chian RC, Tan SL. Human chorionic gonadotropin for in vitro oocyte maturation: does it improve the endometrium or implantation? *J Reprod Med*. 2004 Feb;49(2):93-8. Available from: PubMed; PMID 15018436

Burgers JA, Fong SL, Louwers YV, Valkenburg O, de Jong FH, Fauser BC, Laven JS. Oligoovulatory and anovulatory cycles in women with polycystic ovary syndrome (PCOS): what's the difference? *J Clin Endocrinol Metab*. 2010 Dec;95(12):E485-9. Available from: PubMed; PMID 20843954

Calaf Alsina J, Ruiz Balda JA, Romeu Sarrio A, Caballero Fernandez V, Cano Trigo I, Gomez Parga JL, Gonzalez Batres C, Rodriguez Escudero FJ. Ovulation induction with a starting dose of 50 IU of recombinant follicle stimulating hormone in WHO group II anovulatory women: the IO-50 study, a prospective, observational, multicentre, open trial. *BJOG*. 2003 Dec;110(12):1072-7. Available from: PubMed; PMID 14664878

Campo S, Bezzi I, Garcea N. Ovarian hyperstimulation after administration of triptorelin therapy to a patient with polycystic ovary syndrome. *Fertil Steril*. 2000 Jun;73(6):1256-8. Available from: PubMed; PMID 10856495

Carmina E, Longo A, Lobo RA. Does ovarian blood flow distinguish between ovulatory and anovulatory patients with polycystic ovary syndrome? *Am J Obstet Gynecol*. 2003 Nov;189(5):1283-6. Available from: PubMed; PMID 14634554

- Carmina E, Orio F, Palomba S, Longo RA, Lombardi G, Lobo RA. Ovarian size and blood flow in women with polycystic ovary syndrome and their correlations with endocrine parameters. *Fertil Steril*. 2005 Aug;84(2):413-9. Available from: PubMed; PMID 16084883
- Carmina E, Campagna AM, Lobo RA. A 20-year follow-up of young women with polycystic ovary syndrome. *Obstet Gynecol*. 2012 Feb;119(2 Pt 1):263-9. Available from: PubMed; PMID 22270277
- Casa A, Sesti F, Marziali M, Gulemi L, Piccione E. Transvaginal hydrolaparoscopic ovarian drilling using bipolar electrosurgery to treat anovulatory women with polycystic ovary syndrome. *J Am Assoc Gynecol Laparosc*. 2003 May;10(2):219-22. Available from: PubMed; PMID 12732776
- Castelo-Branco C, Steinvarcel F, Osorio A, Ros C, Balasch J. Atherogenic metabolic profile in PCOS patients: role of obesity and hyperandrogenism. *Gynecol Endocrinol*. 2010 Oct;26(10):736-42. Available from: PubMed; PMID 20569105
- Catteau-Jonard S, Pigny P, Reyss AC, Decanter C, Poncelet E, Dewailly D. Changes in serum anti-mullerian hormone level during low-dose recombinant follicular-stimulating hormone therapy for anovulation in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Nov;92(11):4138-43. Available from: PubMed; PMID 17698904
- Catteau-Jonard S, Jamin SP, Leclerc A, Gonzales J, Dewailly D, di Clemente N. Anti-Mullerian hormone, its receptor, FSH receptor, and androgen receptor genes are overexpressed by granulosa cells from stimulated follicles in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Nov;93(11):4456-61. Available from: PubMed; PMID 18697861
- Cha KY, Lee DR, Cho JH, Yoon TK. In vitro maturation of immature oocytes and IVF/ICSI in PCOS patients. *J Indian Med Assoc*. 2006 Aug;104(8):446, 8, 73. Available from: PubMed; PMID 17240801
- Chang RJ. The reproductive phenotype in polycystic ovary syndrome. *Nat Clin Pract Endocrinol Metab*. 2007 Oct;3(10):688-95. Available from: PubMed; PMID 17893687
- Chapman JC, Min SH, Freeh SM, Michael SD. The estrogen-injected female mouse: new insight into the etiology of PCOS. *Reprod Biol Endocrinol*. 2009;7:47. Available from: PubMed; PMID 19450261
- Chattopadhyay R, Ganesh A, Samanta J, Jana SK, Chakravarty BN, Chaudhury K. Effect of follicular fluid oxidative stress on meiotic spindle formation in infertile women with polycystic ovarian syndrome. *Gynecol Obstet Invest*. 2010;69(3):197-202. Available from: PubMed; PMID 20051691
- Cheang KI, Nestler JE. Should insulin-sensitizing drugs be used in the treatment of polycystic ovary syndrome? *Reprod Biomed Online*. 2004 Apr;8(4):440-7. Available from: PubMed; PMID 15149568
- Cheang KI, Sharma ST, Nestler JE. Is metformin a primary ovulatory agent in patients with polycystic ovary syndrome? *Gynecol Endocrinol*. 2006 Nov;22(11):595-604. Available from: PubMed; PMID 17145645
- Check JH. Ovulation disorders: Part II. Anovulation associated with normal estrogen. *Clin Exp Obstet Gynecol*. 2007;34(2):69-72. Available from: PubMed; PMID 17629155
- Chekir C, Nakatsuka M, Kamada Y, Noguchi S, Sasaki A, Hiramatsu Y. Impaired uterine perfusion associated with metabolic disorders in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2005 Feb;84(2):189-95. Available from: PubMed; PMID 15683382
- Chen JT, Tominaga K, Sato Y, Anzai H, Matsuoka R. Maitake mushroom (*Grifola frondosa*) extract induces ovulation in patients with polycystic ovary syndrome: a possible monotherapy and a combination therapy after failure with first-line clomiphene citrate. *J Altern Complement Med*. 2010 Dec;16(12):1295-9. Available from: PubMed; PMID 21034160
- Chen H, Guo JH, Lu YC, Ding GL, Yu MK, Tsang LL, Fok KL, Liu XM, Zhang XH, Chung YW, Huang P, Huang H, Chan HC. Impaired CFTR-dependent amplification of FSH-stimulated estrogen production in cystic fibrosis and PCOS. *J Clin Endocrinol Metab*. 2012 Mar;97(3):923-32. Available from: PubMed; PMID 22170719
- Cheung AP, Pride SM, Yuen BH, Sy L. In-vivo ovarian androgen responses to recombinant FSH with and without recombinant LH in polycystic ovarian syndrome. *Hum Reprod*. 2002 Oct;17(10):2540-7. Available from: PubMed; PMID 12351525
- Chian RC, Buckett WM, Tulandi T, Tan SL. Prospective randomized study of human chorionic gonadotrophin priming before immature oocyte retrieval from unstimulated women with polycystic ovarian syndrome. *Hum Reprod*. 2000 Jan;15(1):165-70. Available from: PubMed; PMID 10611207
- Chian RC, Gulekli B, Buckett WM, Tan SL. Pregnancy and delivery after cryopreservation of zygotes produced by in-vitro matured oocytes retrieved from a woman with polycystic ovarian syndrome. *Hum Reprod*. 2001 Aug;16(8):1700-2. Available from: PubMed; PMID 11473967
- Chian RC. In-vitro maturation of immature oocytes for infertile women with PCOS. *Reprod Biomed Online*. 2004 May;8(5):547-52. Available from: PubMed; PMID 15151718



- Chian RC, Gilbert L, Huang JY, Demirtas E, Holzer H, Benjamin A, Buckett WM, Tulandi T, Tan SL. Live birth after vitrification of in vitro matured human oocytes. *Fertil Steril*. 2009 Feb;91(2):372-6. Available from: PubMed; PMID 18514195
- Christin-Maitre S, Hugues JN. A comparative randomized multicentric study comparing the step-up versus step-down protocol in polycystic ovary syndrome. *Hum Reprod*. 2003 Aug;18(8):1626-31. Available from: PubMed; PMID 12871872
- Chu MC, Carmina E, Wang J, Lobo RA. Mullerian-inhibiting substance reflects ovarian findings in women with polycystic ovary syndrome better than does inhibin B. *Fertil Steril*. 2005 Dec;84(6):1685-8. Available from: PubMed; PMID 16359965
- Cittadini E. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):e57; author reply e8. Available from: PubMed; PMID 21514580
- Clapauch R, Mattos TM. Triplet pregnancy after metformin in a woman with polycystic ovary syndrome. *Fertil Steril*. 2008 May;89(5):1260 e1-2. Available from: PubMed; PMID 17628554
- Cleemann L, Lauszus FF, Trolle B. Laparoscopic ovarian drilling as first line of treatment in infertile women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Mar;18(3):138-43. Available from: PubMed; PMID 15255282
- Cocksedge KA, Li TC, Saravelos SH, Metwally M. A reappraisal of the role of polycystic ovary syndrome in recurrent miscarriage. *Reprod Biomed Online*. 2008 Jul;17(1):151-60. Available from: PubMed; PMID 18616903
- Conn JJ, Jacobs HS, Conway GS. The prevalence of polycystic ovaries in women with type 2 diabetes mellitus. *Clin Endocrinol (Oxf)*. 2000 Jan;52(1):81-6. Available from: PubMed; PMID 10651757
- Connor EL. Adolescent polycystic ovary syndrome. *Adolesc Med State Art Rev*. 2012 Apr;23(1):164-77, xii. Available from: PubMed; PMID 22764561
- Cook CL, Siow Y, Brenner AG, Fallat ME. Relationship between serum mullerian-inhibiting substance and other reproductive hormones in untreated women with polycystic ovary syndrome and normal women. *Fertil Steril*. 2002 Jan;77(1):141-6. Available from: PubMed; PMID 11779604
- Costello MF, Eden JA. A systematic review of the reproductive system effects of metformin in patients with polycystic ovary syndrome. *Fertil Steril*. 2003 Jan;79(1):1-13. Available from: PubMed; PMID 12524053
- Costello MF, Shrestha SM, Sjoblom P, McNally G, Bennett MJ, Steigrad SJ, Hughes GJ. Power Doppler ultrasound assessment of ovarian perfollicular blood flow in women with polycystic ovaries and normal ovaries during in vitro fertilization treatment. *Fertil Steril*. 2005 Apr;83(4):945-54. Available from: PubMed; PMID 15820805
- Costello MF, Ledger WL. Evidence-based management of infertility in women with polycystic ovary syndrome using surgery or assisted reproductive technology. *Womens Health (Lond Engl)*. 2012 May;8(3):291-300. Available from: PubMed; PMID 22554176
- Costello MF, Ledger WL. Evidence-based lifestyle and pharmacological management of infertility in women with polycystic ovary syndrome. *Womens Health (Lond Engl)*. 2012 May;8(3):277-90. Available from: PubMed; PMID 22554175
- Costello MF, Misso ML, Wong J, Hart R, Rombauts L, Melder A, Norman RJ, Teede HJ. The treatment of infertility in polycystic ovary syndrome: a brief update. *Aust N Z J Obstet Gynaecol*. 2012 Aug;52(4):400-3. Available from: PubMed; PMID 22639834
- Crisosto N, Codner E, Maliqueo M, Echiburru B, Sanchez F, Cassorla F, Sir-Petermann T. Anti-Mullerian hormone levels in peripubertal daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jul;92(7):2739-43. Available from: PubMed; PMID 17488788
- Crisosto N, Echiburru B, Maliqueo M, Perez V, Ladron de Guevara A, Preisler J, Sanchez F, Sir-Petermann T. Improvement of hyperandrogenism and hyperinsulinemia during pregnancy in women with polycystic ovary syndrome: possible effect in the ovarian follicular mass of their daughters. *Fertil Steril*. 2012 Jan;97(1):218-24. Available from: PubMed; PMID 22088206
- Cristello F, Cela V, Artini PG, Genazzani AR. Therapeutic strategies for ovulation induction in infertile women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 Dec;21(6):340-52. Available from: PubMed; PMID 16390783
- Crosignani PG, Colombo M, Vegetti W, Somigliana E, Gessati A, Ragni G. Overweight and obese anovulatory patients with polycystic ovaries: parallel improvements in anthropometric indices, ovarian physiology and fertility rate induced by diet. *Hum Reprod*. 2003 Sep;18(9):1928-32. Available from: PubMed; PMID 12923151
- Dafopoulos K, Venetis C, Pournaras S, Kallitsaris A, Messinis IE. Ovarian control of pituitary sensitivity of luteinizing hormone secretion to gonadotropin-releasing hormone in women with the polycystic ovary syndrome. *Fertil Steril*. 2009 Oct;92(4):1378-80. Available from: PubMed; PMID 19467538

- Dale PO, Tanbo T, Ertzeid G, Bjercke S, Oldereid N, Fedorcsak P, Abyholm T. The impact of insulin resistance on the outcome of laparoscopic ovarian electrocautery in infertile women with the polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Oct;19(4):182-9. Available from: PubMed; PMID 15724800
- Dasari P, Pranahita G. The efficacy of metformin and clomiphene citrate combination compared with clomiphene citrate alone for ovulation induction in infertile patients with PCOS. *J Hum Reprod Sci*. 2009 Jan;2(1):18-22. Available from: PubMed; PMID 19562069
- de Araujo CH, Nogueira D, de Araujo MC, Martins Wde P, Ferriani RA, dos Reis RM. Supplemented tissue culture medium 199 is a better medium for in vitro maturation of oocytes from women with polycystic ovary syndrome women than human tubal fluid. *Fertil Steril*. 2009 Feb;91(2):509-13. Available from: PubMed; PMID 18304540
- de Paula Guedes Neto E, Savaris RF, von Eye Corleta H, de Moraes GS, do Amaral Cristovam R, Lessey BA. Prospective, randomized comparison between raloxifene and clomiphene citrate for ovulation induction in polycystic ovary syndrome. *Fertil Steril*. 2011 Sep;96(3):769-73. Available from: PubMed; PMID 21782166
- de Ziegler D, Streuli I, Gayet V, Frydman N, Bajouh O, Chapron C. Retrieving oocytes from small non-stimulated follicles in polycystic ovary syndrome (PCOS): in vitro maturation (IVM) is not indicated in the new GnRH antagonist era. *Fertil Steril*. 2012 Aug;98(2):290-3. Available from: PubMed; PMID 22846648
- Dehbashi S, Vafaei H, Parsanezhad MD, Alborzi S. Time of initiation of clomiphene citrate and pregnancy rate in polycystic ovarian syndrome. *Int J Gynaecol Obstet*. 2006 Apr;93(1):44-8. Available from: PubMed; PMID 16530767
- Demirturk F, Caliskan AC, Aytan H, Erkorkmaz U. Effects of ovarian drilling in middle Black Sea region Turkish women with polycystic ovary syndrome having normal and high body mass indices. *J Obstet Gynaecol Res*. 2006 Oct;32(5):507-12. Available from: PubMed; PMID 16984519
- Desforges-Bullet V, Gallo C, Lefebvre C, Pigny P, Dewailly D, Catteau-Jonard S. Increased anti-Mullerian hormone and decreased FSH levels in follicular fluid obtained in women with polycystic ovaries at the time of follicle puncture for in vitro fertilization. *Fertil Steril*. 2010 Jun;94(1):198-204. Available from: PubMed; PMID 19361798
- Dewailly D, Catteau-Jonard S, Reyss AC, Leroy M, Pigny P. Oligoanovulation with polycystic ovaries but not overt hyperandrogenism. *J Clin Endocrinol Metab*. 2006 Oct;91(10):3922-7. Available from: PubMed; PMID 16849400
- Dewailly D, Catteau-Jonard S, Reyss AC, Maunoury-Lefebvre C, Poncelet E, Pigny P. The excess in 2-5 mm follicles seen at ovarian ultrasonography is tightly associated to the follicular arrest of the polycystic ovary syndrome. *Hum Reprod*. 2007 Jun;22(6):1562-6. Available from: PubMed; PMID 17449514
- Dewailly D, Hieronimus S, Mirakian P, Hugues JN. Polycystic ovary syndrome (PCOS). *Ann Endocrinol (Paris)*. 2010 Feb;71(1):8-13. Available from: PubMed; PMID 20096827
- Dhindsa G, Bhatia R, Dhindsa M, Bhatia V. Insulin resistance, insulin sensitization and inflammation in polycystic ovarian syndrome. *J Postgrad Med*. 2004 Apr-Jun;50(2):140-4. Available from: PubMed; PMID 15235215
- Diamanti-Kandarakis E. Polycystic ovarian syndrome: pathophysiology, molecular aspects and clinical implications. *Expert Rev Mol Med*. 2008;10:e3. Available from: PubMed; PMID 18230193
- Diamanti-Kandarakis E, Kandaraki E, Christakou C, Panidis D. The effect of pharmaceutical intervention on lipid profile in polycystic ovary syndrome. *Obes Rev*. 2009 Jul;10(4):431-41. Available from: PubMed; PMID 19413702
- Diamanti-Kandarakis E, Christakou CD, Kandaraki E, Economou FN. Metformin: an old medication of new fashion: evolving new molecular mechanisms and clinical implications in polycystic ovary syndrome. *Eur J Endocrinol*. 2010 Feb;162(2):193-212. Available from: PubMed; PMID 19841045
- Diamanti-Kandarakis E, Economou F, Palimeri S, Christakou C. Metformin in polycystic ovary syndrome. *Ann N Y Acad Sci*. 2010 Sep;1205:192-8. Available from: PubMed; PMID 20840272
- Diamanti-Kandarakis E. Reproductive endocrinology: Infertility treatment in PCOS--is metformin in from the cold? *Nat Rev Endocrinol*. 2012 Jun;8(6):328-30. Available from: PubMed; PMID 22547260
- Diaz R. Reproductive endocrinology: Benefits of metformin in PCOS. *Nat Rev Endocrinol*. 2011 Aug;7(8):437. Available from: PubMed; PMID 21647188
- Dilbaz B, Ozkaya E, Cinar M, Cakir E, Dilbaz S. Cardiovascular disease risk characteristics of the main polycystic ovary syndrome phenotypes. *Endocrine*. 2011 Jun;39(3):272-7. Available from: PubMed; PMID 21547513
- Dissen GA, Garcia-Rudaz C, Paredes A, Mayer C, Mayerhofer A, Ojeda SR. Excessive ovarian production of nerve growth factor facilitates development of cystic ovarian morphology in mice and is a feature of polycystic ovarian syndrome in humans. *Endocrinology*. 2009

Jun;150(6):2906-14. Available from: PubMed; PMID 19264868

Doi SA, Al-Zaid M, Towers PA, Scott CJ, Al-Shoumer KA. Irregular cycles and steroid hormones in polycystic ovary syndrome. *Hum Reprod.* 2005 Sep;20(9):2402-8. Available from: PubMed; PMID 15932911

Doldi N, Persico P, Di Sebastiano F, Marsiglio E, Ferrari A. Gonadotropin-releasing hormone antagonist and metformin for treatment of polycystic ovary syndrome patients undergoing in vitro fertilization-embryo transfer. *Gynecol Endocrinol.* 2006 May;22(5):235-8. Available from: PubMed; PMID 16785142

Dolfin E, Guani B, Lussiana C, Mari C, Restagno G, Revelli A. FSH-receptor Ala307Thr polymorphism is associated to polycystic ovary syndrome and to a higher responsiveness to exogenous FSH in Italian women. *J Assist Reprod Genet.* 2011 Sep;28(10):925-30. Available from: PubMed; PMID 21792664

Dronavalli S, Ehrmann DA. Pharmacologic therapy of polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):244-54. Available from: PubMed; PMID 17304039

Duranteau L, Lefevre P, Jeandidier N, Simon T, Christin-Maitre S. Should physicians prescribe metformin to women with polycystic ovary syndrome PCOS? *Ann Endocrinol (Paris).* 2010 Feb;71(1):25-7. Available from: PubMed; PMID 20079483

Eckmann KR, Kockler DR. Aromatase inhibitors for ovulation and pregnancy in polycystic ovary syndrome. *Ann Pharmacother.* 2009 Jul;43(7):1338-46. Available from: PubMed; PMID 19584394

Eftekhar M, Khalili MA, Aflatoonian A, Esfandiari N. Successful pregnancy following a novel endometrial preparation in a PCOS patient undergoing IVM: a case report. *J Assist Reprod Genet.* 2012 Apr;29(4):335-6. Available from: PubMed; PMID 22350529

Ehrmann DA, Rychlik D. Pharmacologic treatment of polycystic ovary syndrome. *Semin Reprod Med.* 2003 Aug;21(3):277-83. Available from: PubMed; PMID 14593550

Eisenhardt S, Schwarzmann N, Henschel V, Germeyer A, von Wolff M, Hamann A, Strowitzki T. Early effects of metformin in women with polycystic ovary syndrome: a prospective randomized, double-blind, placebo-controlled trial. *J Clin Endocrinol Metab.* 2006 Mar;91(3):946-52. Available from: PubMed; PMID 16352680

El Behery MM, Diab AE, Mowafy H, Ebrahiem MA, Shehata AE. Effect of laparoscopic ovarian drilling on vascular endothelial growth factor and ovarian stromal blood flow using 3-dimensional power Doppler. *Int J Gynaecol Obstet.* 2011 Feb;112(2):119-21. Available from: PubMed; PMID 21144516

Eldar-Geva T, Margalioth EJ, Gal M, Ben-Chetrit A, Algur N, Zylber-Haran E, Brooks B, Huerta M, Spitz IM. Serum anti-Mullerian hormone levels during controlled ovarian hyperstimulation in women with polycystic ovaries with and without hyperandrogenism. *Hum Reprod.* 2005 Jul;20(7):1814-9. Available from: PubMed; PMID 15802320

Elghblawi E. Polycystic ovary syndrome and female reproduction. *Br J Nurs.* 2007 Oct 11-24;16(18):1118-21. Available from: PubMed; PMID 18073681

Elhadd TA, Fiad T, Meer L. Ovarian stockpiling in polycystic ovary syndrome, infertility, and the combined use of rosiglitazone and metformin. *Diabetes Care.* 2006 Oct;29(10):2330-1. Available from: PubMed; PMID 17003323

Elia EM, Belgorosky D, Faut M, Vighi S, Pustovrh C, Luigi D, Motta AB. The effects of metformin on uterine tissue of hyperandrogenized BALB/c mice. *Mol Hum Reprod.* 2009 Jul;15(7):421-32. Available from: PubMed; PMID 19482906

Elkind-Hirsch KE, Webster BW, Brown CP, Vernon MW. Concurrent ganirelix and follitropin beta therapy is an effective and safe regimen for ovulation induction in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Mar;79(3):603-7. Available from: PubMed; PMID 12620447

Elkind-Hirsch KE. Thiazolidinediones for the therapeutic management of polycystic ovary syndrome : impact on metabolic and reproductive abnormalities. *Treat Endocrinol.* 2006;5(3):171-87. Available from: PubMed; PMID 16677059

Elmashad AI. Impact of laparoscopic ovarian drilling on anti-Mullerian hormone levels and ovarian stromal blood flow using three-dimensional power Doppler in women with anovulatory polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):2342-6, 6 e1. Available from: PubMed; PMID 21514928

Elnashar A, Fouad H, Eldosoky M, Saeid N. Letrozole induction of ovulation in women with clomiphene citrate-resistant polycystic ovary syndrome may not depend on the period of infertility, the body mass index, or the luteinizing hormone/follicle-stimulating hormone ratio. *Fertil Steril.* 2006 Feb;85(2):511-3. Available from: PubMed; PMID 16595244

El-Sheikh MM, Hussein M, Fouad S, El-Sheikh R, Bauer O, Al-Hasani S. Limited ovarian stimulation (LOS), prevents the recurrence of severe forms of ovarian hyperstimulation syndrome in polycystic ovarian disease. *Eur J Obstet Gynecol Reprod Biol.* 2001 Feb;94(2):245-9. Available from: PubMed; PMID 11165733

El-Sheikh MM, Sehly N, Al Mesiry W, Fouad S. Oocytes collected 60 hours after human chorionic gonadotropin

administration from patients with polycystic ovary syndrome who underwent limited ovarian stimulation resulted in clinical pregnancies and the delivery of a healthy baby. *Fertil Steril.* 2005 Dec;84(6):1758-61. Available from: PubMed; PMID 16359985

El-Sheikhah A. Surgical induction of ovulation in polycystic ovarian disease. *J Obstet Gynaecol.* 2002 Nov;22(6):583-5. Available from: PubMed; PMID 12554240

Elting MW, Korsen TJ, Rekers-Mombarg LT, Schoemaker J. Women with polycystic ovary syndrome gain regular menstrual cycles when ageing. *Hum Reprod.* 2000 Jan;15(1):24-8. Available from: PubMed; PMID 10611183

Elting MW, Korsen TJ, Schoemaker J. Obesity, rather than menstrual cycle pattern or follicle cohort size, determines hyperinsulinaemia, dyslipidaemia and hypertension in ageing women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2001 Dec;55(6):767-76. Available from: PubMed; PMID 11895219

Elting MW, Kwee J, Schats R, Rekers-Mombarg LT, Schoemaker J. The rise of estradiol and inhibin B after acute stimulation with follicle-stimulating hormone predict the follicle cohort size in women with polycystic ovary syndrome, regularly menstruating women with polycystic ovaries, and regularly menstruating women with normal ovaries. *J Clin Endocrinol Metab.* 2001 Apr;86(4):1589-95. Available from: PubMed; PMID 11297588

Elting MW, Kwee J, Korsen TJ, Rekers-Mombarg LT, Schoemaker J. Aging women with polycystic ovary syndrome who achieve regular menstrual cycles have a smaller follicle cohort than those who continue to have irregular cycles. *Fertil Steril.* 2003 May;79(5):1154-60. Available from: PubMed; PMID 12738511

Engmann L, Siano L, Schmidt D, Nulsen J, Maier D, Benadiva C. GnRH agonist to induce oocyte maturation during IVF in patients at high risk of OHSS. *Reprod Biomed Online.* 2006 Nov;13(5):639-44. Available from: PubMed; PMID 17169172

Ercan CM, Duru NK, Sakinci M, Alanbay I, Karasahin KE, Baser I. Successful twin pregnancy achieved by assisted reproductive technology in a patient with polycystic ovary syndrome with complex atypical endometrial hyperplasia treated with levonorgestrel-releasing intrauterine system. *Gynecol Endocrinol.* 2010 Feb;26(2):125-8. Available from: PubMed; PMID 20074021

Ernst CL, Goldberg JF. The reproductive safety profile of mood stabilizers, atypical antipsychotics, and broad-spectrum psychotropics. *J Clin Psychiatry.* 2002;63 Suppl 4:42-55. Available from: PubMed; PMID 11913676

Ertunc D, Tok EC, Savas A, Ozturk I, Dilek S. Gonadotropin-releasing hormone antagonist use in controlled ovarian stimulation and intrauterine insemination cycles in women with polycystic ovary

syndrome. *Fertil Steril.* 2010 Mar 1;93(4):1179-84. Available from: PubMed; PMID 19200979

Esmailzadeh S, Faramarzi M, Jorsarai G. Comparison of in vitro fertilization outcome in women with and without sonographic evidence of polycystic ovarian morphology. *Eur J Obstet Gynecol Reprod Biol.* 2005 Jul 1;121(1):67-70. Available from: PubMed; PMID 15989985

Fabregues F, Castelo-Branco C, Carmona F, Guimera M, Casamitjana R, Balasch J. The effect of different hormone therapies on anti-mullerian hormone serum levels in anovulatory women of reproductive age. *Gynecol Endocrinol.* 2011 Apr;27(4):216-24. Available from: PubMed; PMID 20500102

Falbo A, Orio F, Venturella R, Rania E, Materazzo C, Tolino A, Zullo F, Palomba S. Does metformin affect ovarian morphology in patients with polycystic ovary syndrome? A retrospective cross-sectional preliminary analysis. *J Ovarian Res.* 2009;2:5. Available from: PubMed; PMID 19480717

Falhammar H, Thoren M, Hagenfeldt K. A 31-year-old woman with infertility and polycystic ovaries diagnosed with non-classic congenital adrenal hyperplasia due to a novel CYP21 mutation. *J Endocrinol Invest.* 2008 Feb;31(2):176-80. Available from: PubMed; PMID 18362511

Falsetti L, Gambera A, Tisi G. Efficacy of the combination ethinyl oestradiol and cyproterone acetate on endocrine, clinical and ultrasonographic profile in polycystic ovarian syndrome. *Hum Reprod.* 2001 Jan;16(1):36-42. Available from: PubMed; PMID 11139533

Falsetti L, Gambera A, Andrico S, Sartori E. Acne and hirsutism in polycystic ovary syndrome: clinical, endocrine-metabolic and ultrasonographic differences. *Gynecol Endocrinol.* 2002 Aug;16(4):275-84. Available from: PubMed; PMID 12396556

Farhi J, Orvieto R, Homburg R. Administration of clomiphene citrate in patients with polycystic ovary syndrome, without inducing withdrawal bleeding, achieves comparable treatment characteristics and outcome. *Fertil Steril.* 2010 Apr;93(6):2077-9. Available from: PubMed; PMID 19732872

Farquhar C, Vandekerckhove P, Arnot M, Lilford R. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD001122. Available from: PubMed; PMID 10796746

Farquhar C, Vandekerckhove P, Lilford R. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2001 (4):CD001122. Available from: PubMed; PMID 11687100

- Farquhar CM, Williamson K, Gudex G, Johnson NP, Garland J, Sadler L. A randomized controlled trial of laparoscopic ovarian diathermy versus gonadotropin therapy for women with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril*. 2002 Aug;78(2):404-11. Available from: PubMed; PMID 12137881
- Farquhar C, Lilford RJ, Marjoribanks J, Vandekerckhove P. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2005 (3):CD001122. Available from: PubMed; PMID 16034856
- Farquhar C, Lilford RJ, Marjoribanks J, Vandekerckhove P. Laparoscopic 'drilling' by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2007 (3):CD001122. Available from: PubMed; PMID 17636653
- Farquhar C, Brown J, Marjoribanks J. Laparoscopic drilling by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2012;6:CD001122. Available from: PubMed; PMID 22696324
- Fauser BC, Tarlatzis BC, Rebar RW, Legro RS, Balen AH, Lobo R, Carmina E, Chang J, Yildiz BO, Laven JS, Boivin J, Petraglia F, Wijeyeratne CN, Norman RJ, Dunaif A, Franks S, Wild RA, Dumesic D, Barnhart K. Consensus on women's health aspects of polycystic ovary syndrome (PCOS): the Amsterdam ESHRE/ASRM-Sponsored 3rd PCOS Consensus Workshop Group. *Fertil Steril*. 2012 Jan;97(1):28-38 e25. Available from: PubMed; PMID 22153789
- Fedorcsak P, Storeng R, Dale PO, Tanbo T, Abyholm T. Impaired insulin action on granulosa-lutein cells in women with polycystic ovary syndrome and insulin resistance. *Gynecol Endocrinol*. 2000 Oct;14(5):327-36. Available from: PubMed; PMID 11109972
- Fedorcsak P, Storeng R, Dale PO, Tanbo T, Torjesen P, Urbancsek J, Abyholm T. Leptin and leptin binding activity in the preovulatory follicle of polycystic ovary syndrome patients. *Scand J Clin Lab Invest*. 2000 Dec;60(8):649-55. Available from: PubMed; PMID 11218147
- Fedorcsak P, Dale PO, Storeng R, Abyholm T, Tanbo T. The effect of metformin on ovarian stimulation and in vitro fertilization in insulin-resistant women with polycystic ovary syndrome: an open-label randomized cross-over trial. *Gynecol Endocrinol*. 2003 Jun;17(3):207-14. Available from: PubMed; PMID 12857428
- Felemban A, Tan SL, Tulandi T. Laparoscopic treatment of polycystic ovaries with insulated needle cautery: a reappraisal. *Fertil Steril*. 2000 Feb;73(2):266-9. Available from: PubMed; PMID 10685526
- Fernandez H, Alby JD, Gervaise A, de Tayrac R, Frydman R. Operative transvaginal hydrolaparoscopy for treatment of polycystic ovary syndrome: a new minimally invasive surgery. *Fertil Steril*. 2001 Mar;75(3):607-11. Available from: PubMed; PMID 11239549
- Fernandez H, Faivre E, Gervaise A, Deffieux X. Laparoscopic ovarian drilling using a 5-French bipolar energy probe. *Fertil Steril*. 2010 Jul;94(2):740-1. Available from: PubMed; PMID 19446807
- Fernandez M, Bourguignon N, Lux-Lantos V, Libertun C. Neonatal exposure to bisphenol a and reproductive and endocrine alterations resembling the polycystic ovarian syndrome in adult rats. *Environ Health Perspect*. 2010 Sep;118(9):1217-22. Available from: PubMed; PMID 20413367
- Fernandez H, Morin-Surruca M, Torre A, Faivre E, Deffieux X, Gervaise A. Ovarian drilling for surgical treatment of polycystic ovarian syndrome: a comprehensive review. *Reprod Biomed Online*. 2011 Jun;22(6):556-68. Available from: PubMed; PMID 21511534
- Ferraretti AP, Gianaroli L, Magli MC, Iammarrone E, Feliciani E, Fortini D. Transvaginal ovarian drilling: a new surgical treatment for improving the clinical outcome of assisted reproductive technologies in patients with polycystic ovary syndrome. *Fertil Steril*. 2001 Oct;76(4):812-6. Available from: PubMed; PMID 11591418
- Fica S, Albu A, Constantin M, Dobri GA. Insulin resistance and fertility in polycystic ovary syndrome. *J Med Life*. 2008 Oct-Dec;1(4):415-22. Available from: PubMed; PMID 20108521
- Fleischman A, Mansfield J. Diagnosis and treatment of polycystic ovarian syndrome and insulin resistance. *Pediatr Ann*. 2005 Sep;34(9):733-8, 41-2. Available from: PubMed; PMID 16222950
- Flyckt RL, Goldberg JM. Laparoscopic ovarian drilling for clomiphene-resistant polycystic ovary syndrome. *Semin Reprod Med*. 2011 Mar;29(2):138-46. Available from: PubMed; PMID 21437828
- Forsdike RA, Hardy K, Bull L, Stark J, Webber LJ, Stubbs S, Robinson JE, Franks S. Disordered follicle development in ovaries of prenatally androgenized ewes. *J Endocrinol*. 2007 Feb;192(2):421-8. Available from: PubMed; PMID 17283242
- Francou M, Durdos M, Salvetti NR, Baravalle C, Rey F, Ortega HH. Characterization of pituitary cell populations in rats with induced polycystic ovaries. *Cells Tissues Organs*. 2008;188(3):310-9. Available from: PubMed; PMID 18376105
- Franks S, Mason H, Willis D. Follicular dynamics in the polycystic ovary syndrome. *Mol Cell Endocrinol*. 2000 May 25;163(1-2):49-52. Available from: PubMed; PMID 10963873

- Franks S. Assessment and management of anovulatory infertility in polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2003 Sep;32(3):639-51. Available from: PubMed; PMID 14560891
- Franks S, Stark J, Hardy K. Follicle dynamics and anovulation in polycystic ovary syndrome. *Hum Reprod Update*. 2008 Jul-Aug;14(4):367-78. Available from: PubMed; PMID 18499708
- Fratantonio E, Vicari E, Pafumi C, Calogero AE. Genetics of polycystic ovarian syndrome. *Reprod Biomed Online*. 2005 Jun;10(6):713-20. Available from: PubMed; PMID 15969998
- Frederick J, DaCosta V, Wynter S, Reid M, Frederick C, McKenzie C. Effect of the oral contraceptive pill on patients undergoing controlled ovarian hyperstimulation. *West Indian Med J*. 2004 Jan;53(1):39-43. Available from: PubMed; PMID 15114893
- Fulghesu AM, Apa R, Belosi C, Ciampelli M, Selvaggi L, Jr., Cucinelli F, Caruso A, Mancuso S, Lanzone A. Recombinant versus urinary follicle-stimulating hormone in the low-dose regimen in anovulatory patients with polycystic ovary syndrome: a safer and more effective treatment. *Horm Res*. 2001;55(5):224-8. Available from: PubMed; PMID 11740143
- Fulghesu AM, Ciampelli M, Belosi C, Apa R, Guido M, Caruso A, Mancuso S, Lanzone A. Naltrexone effect on pulsatile GnRH therapy for ovulation induction in polycystic ovary syndrome: a pilot prospective study. *J Endocrinol Invest*. 2001 Jul-Aug;24(7):483-90. Available from: PubMed; PMID 11508781
- Fulghesu AM, Ciampelli M, Belosi C, Apa R, Pavone V, Lanzone A. A new ultrasound criterion for the diagnosis of polycystic ovary syndrome: the ovarian stroma/total area ratio. *Fertil Steril*. 2001 Aug;76(2):326-31. Available from: PubMed; PMID 11476780
- Futterweit W. Polycystic ovary syndrome: a common reproductive and metabolic disorder necessitating early recognition and treatment. *Prim Care*. 2007 Dec;34(4):761-89, vi. Available from: PubMed; PMID 18061817
- Gambineri A, Patton L, De Iasio R, Palladoro F, Pagotto U, Pasquali R. Insulin-like factor 3: a new circulating hormone related to luteinizing hormone-dependent ovarian hyperandrogenism in the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jun;92(6):2066-73. Available from: PubMed; PMID 17356050
- Gambineri A, Patton L, Prontera O, Fanelli F, Ciampaglia W, Cognigni GE, Pagotto U, Pasquali R. Basal insulin-like factor 3 levels predict functional ovarian hyperandrogenism in the polycystic ovary syndrome. *J Endocrinol Invest*. 2011 Oct;34(9):685-91. Available from: PubMed; PMID 21586896
- Ge HS, Huang XF, Zhang W, Zhao JZ, Lin JJ, Zhou W. Exposure to human chorionic gonadotropin during in vitro maturation does not improve the maturation rate and developmental potential of immature oocytes from patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Jan;89(1):98-103. Available from: PubMed; PMID 17524398
- Geberhiwot T, Jones AF. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med*. 2007 May 10;356(19):2000; author reply 1999-2001. Available from: PubMed; PMID 17506158
- Genazzani AD, Lanzoni C, Ricchieri F, Baraldi E, Casarosa E, Jasonni VM. Metformin administration is more effective when non-obese patients with polycystic ovary syndrome show both hyperandrogenism and hyperinsulinemia. *Gynecol Endocrinol*. 2007 Mar;23(3):146-52. Available from: PubMed; PMID 17454168
- Gerli S, Mignosa M, Di Renzo GC. Effects of inositol on ovarian function and metabolic factors in women with PCOS: a randomized double blind placebo-controlled trial. *Eur Rev Med Pharmacol Sci*. 2003 Nov-Dec;7(6):151-9. Available from: PubMed; PMID 15206484
- Gerli S, Casini ML, Unfer V, Costabile L, Mignosa M, Di Renzo GC. Ovulation induction with urinary FSH or recombinant FSH in polycystic ovary syndrome patients: a prospective randomized analysis of cost-effectiveness. *Reprod Biomed Online*. 2004 Nov;9(5):494-9. Available from: PubMed; PMID 15588465
- Gerli S, Papaleo E, Ferrari A, Di Renzo GC. Randomized, double blind placebo-controlled trial: effects of myo-inositol on ovarian function and metabolic factors in women with PCOS. *Eur Rev Med Pharmacol Sci*. 2007 Sep-Oct;11(5):347-54. Available from: PubMed; PMID 18074942
- Ghazeeri GS, Nassar AH, Younes Z, Awwad JT. Pregnancy outcomes and the effect of metformin treatment in women with polycystic ovary syndrome: an overview. *Acta Obstet Gynecol Scand*. 2012 Jun;91(6):658-78. Available from: PubMed; PMID 22375613
- Ghobadi C, Mirhosseini N, Shiran MR, Moghadamnia A, Lennard MS, Ledger WL, Rostami-Hodjegan A. Single-dose pharmacokinetic study of clomiphene citrate isomers in anovulatory patients with polycystic ovary disease. *J Clin Pharmacol*. 2009 Feb;49(2):147-54. Available from: PubMed; PMID 19033451
- Gill S, Taylor AE, Martin KA, Welt CK, Adams JM, Hall JE. Specific factors predict the response to pulsatile gonadotropin-releasing hormone therapy in polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2001 Jun;86(6):2428-36. Available from: PubMed; PMID 11397835
- Glueck CJ, Awadalla SG, Phillips H, Cameron D, Wang P, Fontaine RN. Polycystic ovary syndrome, infertility,

familial thrombophilia, familial hypofibrinolysis, recurrent loss of in vitro fertilized embryos, and miscarriage. *Fertil Steril*. 2000 Aug;74(2):394-7. Available from: PubMed; PMID 10927066

Glueck CJ, Phillips H, Cameron D, Sieve-Smith L, Wang P. Continuing metformin throughout pregnancy in women with polycystic ovary syndrome appears to safely reduce first-trimester spontaneous abortion: a pilot study. *Fertil Steril*. 2001 Jan;75(1):46-52. Available from: PubMed; PMID 11163815

Godin PA, Gaspard O, Thonon F, Jouan C, Wijzen F, Dubois M, Foidart JM. Twin pregnancy obtained with frozen-thawed embryos after in vitro maturation in a patient with polycystic ovarian syndrome. *J Assist Reprod Genet*. 2003 Aug;20(8):347-50. Available from: PubMed; PMID 12948099

Gomel V, Yarali H. Surgical treatment of polycystic ovary syndrome associated with infertility. *Reprod Biomed Online*. 2004 Jul;9(1):35-42. Available from: PubMed; PMID 15257815

Gomez R, Ferrero H, Delgado-Rosas F, Gaytan M, Morales C, Zimmermann RC, Simon C, Gaytan F, Pellicer A. Evidences for the existence of a low dopaminergic tone in polycystic ovarian syndrome: implications for OHSS development and treatment. *J Clin Endocrinol Metab*. 2011 Aug;96(8):2484-92. Available from: PubMed; PMID 21646367

Gorry A, White DM, Franks S. Infertility in polycystic ovary syndrome: focus on low-dose gonadotropin treatment. *Endocrine*. 2006 Aug;30(1):27-33. Available from: PubMed; PMID 17185789

Gregory CW, Wilson EM, Apparao KB, Lininger RA, Meyer WR, Kowalik A, Fritz MA, Lessey BA. Steroid receptor coactivator expression throughout the menstrual cycle in normal and abnormal endometrium. *J Clin Endocrinol Metab*. 2002 Jun;87(6):2960-6. Available from: PubMed; PMID 12050280

Gremeau AS, Andreadis N, Fatum M, Craig J, Turner K, McVeigh E, Child T. In vitro maturation or in vitro fertilization for women with polycystic ovaries? A case-control study of 194 treatment cycles. *Fertil Steril*. 2012 Aug;98(2):355-60. Available from: PubMed; PMID 22658347

Griesinger G, Diedrich K, Tarlatzis BC, Kolibianakis EM. GnRH-antagonists in ovarian stimulation for IVF in patients with poor response to gonadotrophins, polycystic ovary syndrome, and risk of ovarian hyperstimulation: a meta-analysis. *Reprod Biomed Online*. 2006 Nov;13(5):628-38. Available from: PubMed; PMID 17169171

Guido M, Belosi C, Selvaggi L, Lattanzi F, Apa R, Fulghesu AM, Lanzone A. The effect of age on the ovarian response to gonadotropin and on pregnancy rate in

polycystic ovary syndrome. *Gynecol Endocrinol*. 2003 Jun;17(3):215-21. Available from: PubMed; PMID 12857429

Gulekli B, Buckett WM, Chian RC, Child TJ, Abdul-Jalil AK, Tan SL. Randomized, controlled trial of priming with 10,000 IU versus 20,000 IU of human chorionic gonadotropin in women with polycystic ovary syndrome who are undergoing in vitro maturation. *Fertil Steril*. 2004 Nov;82(5):1458-9. Available from: PubMed; PMID 15533381

Gulekli B, Kovali M, Aydinler F, Dogan S, Dogan SS. IVM is an alternative for patients with PCO after failed conventional IVF attempt. *J Assist Reprod Genet*. 2011 Jun;28(6):495-9. Available from: PubMed; PMID 21647639

Guvenal T, Cetin A, Tasyurt A. Unilateral massive ovarian edema in a woman with polycystic ovaries. *Eur J Obstet Gynecol Reprod Biol*. 2001 Nov;99(1):129-30. Available from: PubMed; PMID 11604203

Guvenal T, Cetin A, Tasyurt A. Unilateral massive ovarian edema and polycystic ovaries. A case report. *Eur J Obstet Gynecol Reprod Biol*. 2001 Aug;97(2):258-9. Available from: PubMed; PMID 11451562

Guzick DS. Ovulation induction management of PCOS. *Clin Obstet Gynecol*. 2007 Mar;50(1):255-67. Available from: PubMed; PMID 17304040

Guzick DS. Treating the polycystic ovary syndrome the old-fashioned way. *N Engl J Med*. 2007 Feb 8;356(6):622-4. Available from: PubMed; PMID 17287483

Guzman L, Ortega-Hrepich C, Albuz FK, Verheyen G, Devroey P, Smits J, De Vos M. Developmental capacity of in vitro-matured human oocytes retrieved from polycystic ovary syndrome ovaries containing no follicles larger than 6 mm. *Fertil Steril*. 2012 Aug;98(2):503-7 e1-2. Available from: PubMed; PMID 22365339

Haddad GF, Jodicke C, Thomas MA, Williams DB, Aubuchon M. Case series of rosiglitazone used during the first trimester of pregnancy. *Reprod Toxicol*. 2008 Oct;26(2):183-4. Available from: PubMed; PMID 18762242

Haimov-Kochman R, Imbar T, Farchat M, Bdolah Y, Hurwitz A. Adolescent infertility--to treat or not to treat. *Fertil Steril*. 2008 Nov;90(5):2009 e1-4. Available from: PubMed; PMID 18440000

Haller K, Mathieu C, Rull K, Matt K, Bene MC, Uibo R. IgG, IgA and IgM antibodies against FSH: serological markers of pathogenic autoimmunity or of normal immunoregulation? *Am J Reprod Immunol*. 2005 Nov;54(5):262-9. Available from: PubMed; PMID 16212648

- Haller K, Laisk T, Peters M, Talving E, Karits P, Karro H, Uibo R, Salumets A. VNTR I/I genotype of insulin gene is associated with the increase of follicle number independent from polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2007;86(6):726-32. Available from: PubMed; PMID 17520407
- Hamed SA, Hamed EA, Shokry M, Omar H, Abdellah MM. The reproductive conditions and lipid profile in females with epilepsy. *Acta Neurol Scand.* 2007 Jan;115(1):12-22. Available from: PubMed; PMID 17156261
- Haq F, Aftab O, Rizvi J. Clinical, biochemical and ultrasonographic features of infertile women with polycystic ovarian syndrome. *J Coll Physicians Surg Pak.* 2007 Feb;17(2):76-80. Available from: PubMed; PMID 17288851
- Hara S, Takahashi T, Amita M, Igarashi H, Kurachi H. Usefulness of bezafibrate for ovulation induction in clomiphene citrate-resistant polycystic ovary syndrome patients with dyslipidemia: a prospective pilot study of seven cases. *Gynecol Obstet Invest.* 2010;70(3):166-72. Available from: PubMed; PMID 20558990
- Hart R, Norman R. Polycystic ovarian syndrome--prognosis and outcomes. *Best Pract Res Clin Obstet Gynaecol.* 2006 Oct;20(5):751-78. Available from: PubMed; PMID 16766228
- Hart R. Polycystic ovarian syndrome--prognosis and treatment outcomes. *Curr Opin Obstet Gynecol.* 2007 Dec;19(6):529-35. Available from: PubMed; PMID 18007129
- Hart R. PCOS and infertility. *Panminerva Med.* 2008 Dec;50(4):305-14. Available from: PubMed; PMID 19078871
- Hashimoto S, Yatabe J, Midorikawa S, Sanada H, Watanabe T. Inhibition of growth hormone excess reduces insulin resistance and ovarian dysfunction in a lean case of polycystic ovary syndrome with a growth-hormone-producing pituitary adenoma. *Horm Res.* 2003;59(3):149-55. Available from: PubMed; PMID 12637795
- Heard MJ, Pierce A, Carson SA, Buster JE. Pregnancies following use of metformin for ovulation induction in patients with polycystic ovary syndrome. *Fertil Steril.* 2002 Apr;77(4):669-73. Available from: PubMed; PMID 11937113
- Heijnen EM, Eijkemans MJ, Hughes EG, Laven JS, Macklon NS, Fauser BC. A meta-analysis of outcomes of conventional IVF in women with polycystic ovary syndrome. *Hum Reprod Update.* 2006 Jan-Feb;12(1):13-21. Available from: PubMed; PMID 16123051
- Hendriks ML, Lambalk CB. Effect of laparoscopic ovarian diathermy on circulating inhibin B in women with anovulatory polycystic ovary syndrome. *Hum Reprod.* 2007 Jul;22(7):2073; author reply -4. Available from: PubMed; PMID 17525068
- Hendriks ML, Brouwer J, Hompes PG, Homburg R, Lambalk CB. LH as a diagnostic criterion for polycystic ovary syndrome in patients with WHO II oligo/amenorrhoea. *Reprod Biomed Online.* 2008 Jun;16(6):765-71. Available from: PubMed; PMID 18549684
- Heng BC. Should patients diagnosed with polycystic ovary syndrome (PCOS) participate in compensated egg sharing in return for subsidized fertility treatment? *Hum Reprod Genet Ethics.* 2009;15(1):4-6. Available from: PubMed; PMID 19580099
- Hickey M, Karthigasu K, Agarwal S. Abnormal uterine bleeding: a focus on polycystic ovary syndrome. *Womens Health (Lond Engl).* 2009 May;5(3):313-24. Available from: PubMed; PMID 19392616
- Hirschberg AL. Polycystic ovary syndrome, obesity and reproductive implications. *Womens Health (Lond Engl).* 2009 Sep;5(5):529-40; quiz 41-2. Available from: PubMed; PMID 19702452
- Hoeger KM. Role of lifestyle modification in the management of polycystic ovary syndrome. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):293-310. Available from: PubMed; PMID 16772159
- Hoeger KM. Obesity and lifestyle management in polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):277-94. Available from: PubMed; PMID 17304042
- Hogg K, Young JM, Oliver EM, Souza CJ, McNeilly AS, Duncan WC. Enhanced thecal androgen production is prenatally programmed in an ovine model of polycystic ovary syndrome. *Endocrinology.* 2012 Jan;153(1):450-61. Available from: PubMed; PMID 22087026
- Holte J, Brodin T, Berglund L, Hadziosmanovic N, Olovsson M, Bergh T. Antral follicle counts are strongly associated with live-birth rates after assisted reproduction, with superior treatment outcome in women with polycystic ovaries. *Fertil Steril.* 2011 Sep;96(3):594-9. Available from: PubMed; PMID 21880276
- Homburg R. What is polycystic ovarian syndrome? A proposal for a consensus on the definition and diagnosis of polycystic ovarian syndrome. *Hum Reprod.* 2002 Oct;17(10):2495-9. Available from: PubMed; PMID 12351518
- Homburg R. Should patients with polycystic ovarian syndrome be treated with metformin? A note of cautious optimism. *Hum Reprod.* 2002 Apr;17(4):853-6. Available from: PubMed; PMID 11925372



- Homburg R. The management of infertility associated with polycystic ovary syndrome. *Reprod Biol Endocrinol*. 2003 Nov 14;1:109. Available from: PubMed; PMID 14617367
- Homburg R. Management of infertility and prevention of ovarian hyperstimulation in women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):773-88. Available from: PubMed; PMID 15380146
- Homburg R, Pap H, Brandes M, Huirne J, Hompes P, Lambalk CB. Endometrial biopsy during induction of ovulation with clomiphene citrate in polycystic ovary syndrome. *Gynecol Endocrinol*. 2006 Sep;22(9):506-10. Available from: PubMed; PMID 17071535
- Homburg R. Polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2008 Apr;22(2):261-74. Available from: PubMed; PMID 17804299
- Homburg R, Hendriks ML, Konig TE, Anderson RA, Balen AH, Brincat M, Child T, Davies M, D'Hooghe T, Martinez A, Rajkhowa M, Rueda-Saenz R, Hompes P, Lambalk CB. Clomifene citrate or low-dose FSH for the first-line treatment of infertile women with anovulation associated with polycystic ovary syndrome: a prospective randomized multinational study. *Hum Reprod*. 2012 Feb;27(2):468-73. Available from: PubMed; PMID 22128296
- Hossein G, Arabzadeh S, Hossein-Rashidi B, Hosseini MA. Relations between steroids and AMH: impact of basal and intrafollicular steroids to AMH ratios on oocyte yield and maturation rate in women with or without polycystic ovary syndrome undergoing in vitro fertilization. *Gynecol Endocrinol*. 2012 Jun;28(6):413-7. Available from: PubMed; PMID 21992510
- Hoyt KL, Schmidt MC. Polycystic ovary (Stein-Leventhal) syndrome: etiology, complications, and treatment. *Clin Lab Sci*. 2004 Summer;17(3):155-63. Available from: PubMed; PMID 15314890
- Hudecova M, Holte J, Olovsson M, Sundstrom Poromaa I. Long-term follow-up of patients with polycystic ovary syndrome: reproductive outcome and ovarian reserve. *Hum Reprod*. 2009 May;24(5):1176-83. Available from: PubMed; PMID 19168874
- Hughes E, Collins J, Vandekerckhove P. Ovulation induction with urinary follicle stimulating hormone versus human menopausal gonadotropin for clomiphene-resistant polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2000 (2):CD000087. Available from: PubMed; PMID 10796690
- Hunter MH, Sterrett JJ. Polycystic ovary syndrome: it's not just infertility. *Am Fam Physician*. 2000 Sep 1;62(5):1079-88, 90. Available from: PubMed; PMID 10997532
- Hurst BS, Hickman JM, Matthews ML, Usadi RS, Marshburn PB. Novel clomiphene "stair-step" protocol reduces time to ovulation in women with polycystic ovarian syndrome. *Am J Obstet Gynecol*. 2009 May;200(5):510 e1-4. Available from: PubMed; PMID 19114272
- Hwang JL, Seow KM, Lin YH, Huang LW, Hsieh BC, Tsai YL, Wu GJ, Huang SC, Chen CY, Chen PH, Tzeng CR. Ovarian stimulation by concomitant administration of cetrorelix acetate and HMG following Diane-35 pre-treatment for patients with polycystic ovary syndrome: a prospective randomized study. *Hum Reprod*. 2004 Sep;19(9):1993-2000. Available from: PubMed; PMID 15284212
- Hwang JL, Seow KM, Lin YH, Hsieh BC, Huang LW, Chen HJ, Huang SC, Chen CY, Chen PH, Tzeng CR. IVF versus ICSI in sibling oocytes from patients with polycystic ovarian syndrome: a randomized controlled trial. *Hum Reprod*. 2005 May;20(5):1261-5. Available from: PubMed; PMID 15705619
- Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab*. 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811
- Ikechebelu JI, Mbamara SU, Okeke CA. Pregnancy following laparoscopic ovarian drilling for clomiphene resistant polycystic ovarian syndrome. *Niger J Clin Pract*. 2010 Jun;13(2):235-7. Available from: PubMed; PMID 20499766
- Iwasa T, Matsuzaki T, Murakami M, Shimizu F, Kuwahara A, Yasui T, Irahara M. Reproducibility of luteinizing hormone hypersecretion in different phases of the menstrual cycle in polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2009 Jun;35(3):514-9. Available from: PubMed; PMID 19527392
- Jabara S, Coutifaris C. In vitro fertilization in the PCOS patient: clinical considerations. *Semin Reprod Med*. 2003 Aug;21(3):317-24. Available from: PubMed; PMID 14593555
- Jackson ML. Polycystic ovarian syndrome: what nurses need to know about this misunderstood disorder. *AWHONN Lifelines*. 2004 Dec-2005 Jan;8(6):511-8. Available from: PubMed; PMID 15690755
- Jakubowicz DJ, Seppala M, Jakubowicz S, Rodriguez-Armas O, Rivas-Santiago A, Koistinen H, Koistinen R, Nestler JE. Insulin reduction with metformin increases luteal phase serum glycodelin and insulin-like growth factor-binding protein 1 concentrations and enhances uterine vascularity and blood flow in the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2001 Mar;86(3):1126-33. Available from: PubMed; PMID 11238496
- Jammah AA, Somal KK, Power SG, McManus RM. Gestational diabetes after infertility treatment for polycystic ovarian syndrome. *Saudi Med J*. 2009 Apr;30(4):575-6. Available from: PubMed; PMID 19370293

Janssen OE, Hahn S, Tan S, Benson S, Elsenbruch S. Mood and sexual function in polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):45-52. Available from: PubMed; PMID 18181082

Jarvela IY, Mason HD, Sladkevicius P, Kelly S, Ojha K, Campbell S, Nargund G. Characterization of normal and polycystic ovaries using three-dimensional power Doppler ultrasonography. *J Assist Reprod Genet.* 2002 Dec;19(12):582-90. Available from: PubMed; PMID 12503891

Jarvela IY, Sladkevicius P, Kelly S, Ojha K, Campbell S, Nargund G. Comparison of follicular vascularization in normal versus polycystic ovaries during in vitro fertilization as measured using 3-dimensional power Doppler ultrasonography. *Fertil Steril.* 2004 Nov;82(5):1358-63. Available from: PubMed; PMID 15533360

Jedel E, Labrie F, Oden A, Holm G, Nilsson L, Janson PO, Lind AK, Ohlsson C, Stener-Victorin E. Impact of electroacupuncture and physical exercise on hyperandrogenism and oligo/amenorrhea in women with polycystic ovary syndrome: a randomized controlled trial. *Am J Physiol Endocrinol Metab.* 2011 Jan;300(1):E37-45. Available from: PubMed; PMID 20943753

Jinno M, Kondou K, Teruya K. Low-dose metformin improves pregnancy rate in in vitro fertilization repeaters without polycystic ovary syndrome: prediction of effectiveness by multiple parameters related to insulin resistance. *Hormones (Athens).* 2010 Apr-Jun;9(2):161-70. Available from: PubMed; PMID 20687400

Joffe H, Cohen LS, Suppes T, Hwang CH, Molay F, Adams JM, Sachs GS, Hall JE. Longitudinal follow-up of reproductive and metabolic features of valproate-associated polycystic ovarian syndrome features: A preliminary report. *Biol Psychiatry.* 2006 Dec 15;60(12):1378-81. Available from: PubMed; PMID 16950230

Johnsen S, Dolan SE, Fitch KV, Killilea KM, Shifren JL, Grinspoon SK. Absence of polycystic ovary syndrome features in human immunodeficiency virus-infected women despite significant hyperinsulinemia and truncal adiposity. *J Clin Endocrinol Metab.* 2005 Oct;90(10):5596-604. Available from: PubMed; PMID 16076939

Johnson NP. No more surrogate end-points in randomised trials: the PCOSMIC trial protocol for women with polycystic ovary syndrome using metformin for infertility with clomiphene. *Aust N Z J Obstet Gynaecol.* 2006 Apr;46(2):141-5. Available from: PubMed; PMID 16638037

Johnson NP, Stewart AW, Falkiner J, Farquhar CM, Milsom S, Singh VP, Okonkwo QL, Buckingham KL. PCOSMIC: a multi-centre randomized trial in women with Polycystic Ovary Syndrome evaluating Metformin for Infertility with Clomiphene. *Hum Reprod.* 2010

Jul;25(7):1675-83. Available from: PubMed; PMID 20435692

Johnson N. Metformin is a reasonable first-line treatment option for non-obese women with infertility related to anovulatory polycystic ovary syndrome--a meta-analysis of randomised trials. *Aust N Z J Obstet Gynaecol.* 2011 Apr;51(2):125-9. Available from: PubMed; PMID 21466513

Johnson NP, Bontekoe S, Stewart AW. Analysis of factors predicting success of metformin and clomiphene treatment for women with infertility owing to PCOS-related ovulation dysfunction in a randomised controlled trial. *Aust N Z J Obstet Gynaecol.* 2011 Jun;51(3):252-6. Available from: PubMed; PMID 21631446

Jonard S, Dewailly D. The follicular excess in polycystic ovaries, due to intra-ovarian hyperandrogenism, may be the main culprit for the follicular arrest. *Hum Reprod Update.* 2004 Mar-Apr;10(2):107-17. Available from: PubMed; PMID 15073141

Jones AE. Diagnosis and treatment of polycystic ovarian syndrome. *Nurs Times.* 2005 Jan 18-24;101(3):40-3. Available from: PubMed; PMID 15693578

Jones GL, Hall JM, Balen AH, Ledger WL. Health-related quality of life measurement in women with polycystic ovary syndrome: a systematic review. *Hum Reprod Update.* 2008 Jan-Feb;14(1):15-25. Available from: PubMed; PMID 17905857

Julson H. Effectiveness of insulin sensitizing drugs for polycystic ovary syndrome. *Am Fam Physician.* 2007 Nov 1;76(9):1308-9. Available from: PubMed; PMID 18019873

Jung JH, Hahn JR, Jung TS, Kim HJ, Kim HS, Kim S, Kim SK, Lee SM, Kim DR, Choi WJ, Seo YM, Chung SI. A 27-year-old woman diagnosed as polycystic ovary syndrome associated with Graves' disease. *Intern Med.* 2011;50(19):2185-9. Available from: PubMed; PMID 21963738

Jungheim ES, Odibo AO. Fertility treatment in women with polycystic ovary syndrome: a decision analysis of different oral ovulation induction agents. *Fertil Steril.* 2010 Dec;94(7):2659-64. Available from: PubMed; PMID 20451181

Kafali H, Iriadam M, Ozardali I, Demir N. Letrozole-induced polycystic ovaries in the rat: a new model for cystic ovarian disease. *Arch Med Res.* 2004 Mar-Apr;35(2):103-8. Available from: PubMed; PMID 15010188

Kaltsas GA, Androulakis, II, Tziveriotis K, Papadogias D, Tsikini A, Makras P, Dimitriou K, Stathopoulou A, Piaditis G. Polycystic ovaries and the polycystic ovary syndrome phenotype in women with active acromegaly. *Clin Endocrinol (Oxf).* 2007 Dec;67(6):917-22. Available from: PubMed; PMID 17651451

Kanaya H, Murata Y, Oku H, Hashimoto S, Morimoto Y, Murata T, Sugihara K, Nagata F, Nakaoka Y, Fukuda A. Successful monozygotic twin delivery following in vitro maturation of oocytes retrieved from a woman with polycystic ovary syndrome: case report. *Hum Reprod.* 2006 Jul;21(7):1777-80. Available from: PubMed; PMID 16556672

Kandil M, Selim M. Hormonal and sonographic assessment of ovarian reserve before and after laparoscopic ovarian drilling in polycystic ovary syndrome. *BJOG.* 2005 Oct;112(10):1427-30. Available from: PubMed; PMID 16167950

Kashyap S, Wells GA, Rosenwaks Z. Insulin-sensitizing agents as primary therapy for patients with polycystic ovarian syndrome. *Hum Reprod.* 2004 Nov;19(11):2474-83. Available from: PubMed; PMID 15358717

Kaya H, Sezik M, Ozkaya O. Evaluation of a new surgical approach for the treatment of clomiphene citrate-resistant infertility in polycystic ovary syndrome: laparoscopic ovarian multi-needle intervention. *J Minim Invasive Gynecol.* 2005 Jul-Aug;12(4):355-8. Available from: PubMed; PMID 16036198

Kaya C, Pabuccu R, Satiroglu H. Serum antimullerian hormone concentrations on day 3 of the in vitro fertilization stimulation cycle are predictive of the fertilization, implantation, and pregnancy in polycystic ovary syndrome patients undergoing assisted reproduction. *Fertil Steril.* 2010 Nov;94(6):2202-7. Available from: PubMed; PMID 20138267

Kelestimir F, Unluhizarci K, Baybuga H, Atmaca H, Bayram F, Sahin Y. Prevalence of polycystic ovarian changes and polycystic ovary syndrome in premenopausal women with treated type 2 diabetes mellitus. *Fertil Steril.* 2006 Aug;86(2):405-10. Available from: PubMed; PMID 16762349

Kenna HA, Jiang B, Rasgon NL. Reproductive and metabolic abnormalities associated with bipolar disorder and its treatment. *Harv Rev Psychiatry.* 2009;17(2):138-46. Available from: PubMed; PMID 19373621

Kent SC, Legro RS. Polycystic ovary syndrome in adolescents. *Adolesc Med.* 2002 Feb;13(1):73-88, vi. Available from: PubMed; PMID 11841956

Ketel IJ, Stehouwer CD, Serne EH, Korsen TJ, Hompes PG, Smulders YM, de Jongh RT, Homburg R, Lambalk CB. Obese but not normal-weight women with polycystic ovary syndrome are characterized by metabolic and microvascular insulin resistance. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3365-72. Available from: PubMed; PMID 18593766

Khattab S, Mohsen IA, Aboul Foutouh I, Ashmawi HS, Mohsen MN, van Wely M, van der Veen F, Youssef MA. Can metformin reduce the incidence of gestational diabetes

mellitus in pregnant women with polycystic ovary syndrome? Prospective cohort study. *Gynecol Endocrinol.* 2011 Oct;27(10):789-93. Available from: PubMed; PMID 21247239

Kilicdag EB, Bagis T, Zeyneloglu HB, Tarim E, Aslan E, Haydardedeoglu B, Erkanli S. Homocysteine levels in women with polycystic ovary syndrome treated with metformin versus rosiglitazone: a randomized study. *Hum Reprod.* 2005 Apr;20(4):894-9. Available from: PubMed; PMID 15618250

Kim LH, Taylor AE, Barbieri RL. Insulin sensitizers and polycystic ovary syndrome: can a diabetes medication treat infertility? *Fertil Steril.* 2000 Jun;73(6):1097-8. Available from: PubMed; PMID 10856463

Kim JY, Song H, Kim H, Kang HJ, Jun JH, Hong SR, Koong MK, Kim IS. Transcriptional profiling with a pathway-oriented analysis identifies dysregulated molecular phenotypes in the endometrium of patients with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Apr;94(4):1416-26. Available from: PubMed; PMID 19141577

Kim SH, Lee HJ, Kim JS, Moon C, Kim JC, Bae CS, Park HR, Jung U, Jo SK. HemoHIM improves ovarian morphology and decreases expression of nerve growth factor in rats with steroid-induced polycystic ovaries. *J Med Food.* 2009 Dec;12(6):1348-52. Available from: PubMed; PMID 20041792

Kim CH, Jeon GH, Kim SR, Kim SH, Chae HD, Kang BM. Effects of pioglitazone on ovarian stromal blood flow, ovarian stimulation, and in vitro fertilization outcome in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Jun;94(1):236-41. Available from: PubMed; PMID 19324344

King J. Polycystic ovary syndrome. *J Midwifery Womens Health.* 2006 Nov-Dec;51(6):415-22. Available from: PubMed; PMID 17081931

Kjotrod SB, Romundstad P, von During V, Sunde A, Carlsen SM. C-reactive protein levels are unaffected by metformin during pretreatment and an IVF cycle in women with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):635-41. Available from: PubMed; PMID 17548076

Kjotrod SB, Sunde A, von During V, Carlsen SM. Possible metformin effect on adrenal androgens during pretreatment and IVF cycle in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Feb;91(2):500-8. Available from: PubMed; PMID 18304542

Kjotrod SB, Carlsen SM, Rasmussen PE, Holst-Larsen T, Mellembakken J, Thurin-Kjellberg A, Haapaniemikouru K, Morin-Papunen L, Humaidan P, Sunde A, von During V. Use of metformin before and during assisted reproductive technology in non-obese young infertile women with polycystic ovary syndrome: a prospective, randomized,

double-blind, multi-centre study. *Hum Reprod.* 2011 Aug;26(8):2045-53. Available from: PubMed; PMID 21606131

Kocak M, Caliskan E, Simsir C, Haberal A. Metformin therapy improves ovulatory rates, cervical scores, and pregnancy rates in clomiphene citrate-resistant women with polycystic ovary syndrome. *Fertil Steril.* 2002 Jan;77(1):101-6. Available from: PubMed; PMID 11779598

Kodaman PH, Duleba AJ. HMG-CoA reductase inhibitors: do they have potential in the treatment of polycystic ovary syndrome? *Drugs.* 2008;68(13):1771-85. Available from: PubMed; PMID 18729532

Kokcu A, Turhan E, Cetinkaya MB, Yanik F, Alper T, Malatyalioglu E. Inhibin B levels on cycle day 3 to predict the ovulatory response in women with PCOS undergoing ovulation induction via low dose step-up gonadotropin protocol. *Arch Gynecol Obstet.* 2004 Dec;270(4):255-9. Available from: PubMed; PMID 13680268

Kol S, Homburg R, Alsbjerg B, Humaidan P. The gonadotropin-releasing hormone antagonist protocol--the protocol of choice for the polycystic ovary syndrome patient undergoing controlled ovarian stimulation. *Acta Obstet Gynecol Scand.* 2012 Jun;91(6):643-7. Available from: PubMed; PMID 22428986

Kolibianakis E, Zikopoulos K, Albano C, Camus M, Tournaye H, Van Steirteghem A, Devroey P. Reproductive outcome of polycystic ovarian syndrome patients treated with GnRH antagonists and recombinant FSH for IVF/ICSI. *Reprod Biomed Online.* 2003 Oct;7(3):313-8. Available from: PubMed; PMID 14653891

Kong GW, Cheung LP, Lok IH. Effects of laparoscopic ovarian drilling in treating infertile anovulatory polycystic ovarian syndrome patients with and without metabolic syndrome. *Hong Kong Med J.* 2011 Feb;17(1):5-10. Available from: PubMed; PMID 21282820

Koo YA, Shin SY, Yoon BK, Choi D. Pioglitazone for treating polycystic ovary syndrome in non-obese women of reproductive age with different clinical presentations. *Gynecol Endocrinol.* 2007;23(8):461-7. Available from: PubMed; PMID 17852414

Kosus A, Kosus N, Duran M, Turhan NO. Does assisted reproductive technology itself or polycystic ovary syndrome as a cause of infertility have any effect on first trimester serum screening results? *J Reprod Med.* 2012 Mar-Apr;57(3-4):129-35. Available from: PubMed; PMID 22523872

Kousta E, Cela E, Lawrence N, Penny A, Millauer B, White D, Wilson H, Robinson S, Johnston D, McCarthy M, Franks S. The prevalence of polycystic ovaries in women with a history of gestational diabetes. *Clin Endocrinol (Oxf).* 2000 Oct;53(4):501-7. Available from: PubMed; PMID 11012576

Kriplani A, Manchanda R, Agarwal N, Nayar B. Laparoscopic ovarian drilling in clomiphene citrate-resistant women with polycystic ovary syndrome. *J Am Assoc Gynecol Laparosc.* 2001 Nov;8(4):511-8. Available from: PubMed; PMID 11677329

Kriplani A, Agarwal N. Effects of metformin on clinical and biochemical parameters in polycystic ovary syndrome. *J Reprod Med.* 2004 May;49(5):361-7. Available from: PubMed; PMID 15214709

Kucuk M, Kilic-Okman T. Hormone profiles and clinical outcome after laparoscopic ovarian drilling in women with polycystic ovary syndrome. *Med Sci Monit.* 2005 Jan;11(1):CR29-34. Available from: PubMed; PMID 15614192

Kuivasaari-Pirinen P, Hippelainen M, Hakkarainen H, Randell K, Heinonen S. Cumulative baby take-home rate among women with PCOS treated by IVF. *Gynecol Endocrinol.* 2010 Aug;26(8):582-9. Available from: PubMed; PMID 20175706

Kumar HK. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovarian syndrome. *Saudi Med J.* 2008 Apr;29(4):625. Available from: PubMed; PMID 18382816

Kumbak B, Kahraman S. Efficacy of metformin supplementation during ovarian stimulation of lean PCOS patients undergoing in vitro fertilization. *Acta Obstet Gynecol Scand.* 2009;88(5):563-8. Available from: PubMed; PMID 19306135

La Marca A, Artensio AC, Stabile G, Volpe A. Metformin treatment of PCOS during adolescence and the reproductive period. *Eur J Obstet Gynecol Reprod Biol.* 2005 Jul 1;121(1):3-7. Available from: PubMed; PMID 15941616

Lagace DC, Nachtigal MW. Valproic acid fails to induce polycystic ovary syndrome in female rats. *Prog Neuropsychopharmacol Biol Psychiatry.* 2003 Jun;27(4):587-94. Available from: PubMed; PMID 12787843

Lam PM, Tam WH, Ma RC, Cheung LP, Tsui MH, Tong PC, Chow FC, Lam CW, Chan MH, Chan JC, Haines CJ. The reproductive and metabolic effect of rosiglitazone on Chinese women with polycystic ovarian syndrome--a double-blind randomized placebo-controlled study. *Fertil Steril.* 2011 Aug;96(2):445-51 e1. Available from: PubMed; PMID 21722894

Lan VT, Norman RJ, Nhu GH, Tuan PH, Tuong HM. Ovulation induction using low-dose step-up rFSH in Vietnamese women with polycystic ovary syndrome. *Reprod Biomed Online.* 2009 Apr;18(4):516-21. Available from: PubMed; PMID 19400993

- Lanham MS, Lebovic DI, Domino SE. Contemporary medical therapy for polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2006 Dec;95(3):236-41. Available from: PubMed; PMID 17010975
- Laredo SE. Obesity, polycystic ovary syndrome, infertility treatment: asking obese women to lose weight before treatment increases stigmatisation. *BMJ.* 2006 Mar 11;332(7541):609. Available from: PubMed; PMID 16528092
- Lass A. Recombinant FSH in alternative doses or versus urinary gonadotrophins for ovulation induction in subfertility associated with polycystic ovary syndrome. *Hum Reprod.* 2004 Jan;19(1):217-8; author reply 8. Available from: PubMed; PMID 14688189
- Laven JS, Imani B, Eijkemans MJ, de Jong FH, Fauser BC. Absent biologically relevant associations between serum inhibin B concentrations and characteristics of polycystic ovary syndrome in normogonadotrophic anovulatory infertility. *Hum Reprod.* 2001 Jul;16(7):1359-64. Available from: PubMed; PMID 11425813
- Laven JS, Imani B, Eijkemans MJ, Fauser BC. New approach to polycystic ovary syndrome and other forms of anovulatory infertility. *Obstet Gynecol Surv.* 2002 Nov;57(11):755-67. Available from: PubMed; PMID 12447098
- Le Du A, Kadoch IJ, Bourcigaux N, Doumerc S, Bourrier MC, Chevalier N, Fanchin R, Chian RC, Tachdjian G, Frydman R, Frydman N. In vitro oocyte maturation for the treatment of infertility associated with polycystic ovarian syndrome: the French experience. *Hum Reprod.* 2005 Feb;20(2):420-4. Available from: PubMed; PMID 15528263
- Leclair C, Patton PE. Advances in polycystic ovary syndrome treatment: metformin and ovarian diathermy. *Curr Womens Health Rep.* 2002 Oct;2(5):333-7. Available from: PubMed; PMID 12215305
- Lee JC, Pak SC, Lee SH, Lim SC, Bai YH, Jin CS, Kim JS, Na CS, Bae CS, Oh KS, Choi BC. The effect of herbal medicine on nerve growth factor in estradiol valerate-induced polycystic ovaries in rats. *Am J Chin Med.* 2003;31(6):885-95. Available from: PubMed; PMID 14992541
- Lee HJ, Ku SY, Kim SH, Choi YM, Kim JG, Moon SY. A comparative study on the impact of fresh variables on the success of frozen-thawed embryo transfer cycles using 2PN sibling embryos in women with/without polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 May;28(5):351-5. Available from: PubMed; PMID 22103769
- Leeman L, Acharya U. The use of metformin in the management of polycystic ovary syndrome and associated anovulatory infertility: the current evidence. *J Obstet Gynaecol.* 2009 Aug;29(6):467-72. Available from: PubMed; PMID 19697191
- Legro RS. Polycystic ovary syndrome: the new millennium. *Mol Cell Endocrinol.* 2001 Nov 26;184(1-2):87-93. Available from: PubMed; PMID 11694344
- Legro RS, Urbanek M, Kunselman AR, Leiby BE, Dunaif A. Self-selected women with polycystic ovary syndrome are reproductively and metabolically abnormal and undertreated. *Fertil Steril.* 2002 Jul;78(1):51-7. Available from: PubMed; PMID 12095490
- Legro RS. Diagnostic criteria in polycystic ovary syndrome. *Semin Reprod Med.* 2003 Aug;21(3):267-75. Available from: PubMed; PMID 14593549
- Legro RS, Chiu P, Kunselman AR, Bentley CM, Dodson WC, Dunaif A. Polycystic ovaries are common in women with hyperandrogenic chronic anovulation but do not predict metabolic or reproductive phenotype. *J Clin Endocrinol Metab.* 2005 May;90(5):2571-9. Available from: PubMed; PMID 15713728
- Legro RS, Myers ER, Barnhart HX, Carson SA, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, McGovern PG, Cataldo NA, Steinkampf MP, Nestler JE, Gosman G, Guidice LC, Leppert PC. The Pregnancy in Polycystic Ovary Syndrome study: baseline characteristics of the randomized cohort including racial effects. *Fertil Steril.* 2006 Oct;86(4):914-33. Available from: PubMed; PMID 16963034
- Legro RS. Pregnancy considerations in women with polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):295-304. Available from: PubMed; PMID 17304043
- Legro RS, Barnhart HX, Schlaff WD, Carr BR, Diamond MP, Carson SA, Steinkampf MP, Coutifaris C, McGovern PG, Cataldo NA, Gosman GG, Nestler JE, Giudice LC, Leppert PC, Myers ER. Clomiphene, metformin, or both for infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 Feb 8;356(6):551-66. Available from: PubMed; PMID 17287476
- Legro RS, Zaino RJ, Demers LM, Kunselman AR, Gnatuk CL, Williams NI, Dodson WC. The effects of metformin and rosiglitazone, alone and in combination, on the ovary and endometrium in polycystic ovary syndrome. *Am J Obstet Gynecol.* 2007 Apr;196(4):402 e1-10; discussion e10-1. Available from: PubMed; PMID 17403436
- Legro RS. Metformin as adjuvant therapy to IVF in women with PCOS: when is intention-to-treat unintentional? *Hum Reprod.* 2011 Aug;26(8):2043-4. Available from: PubMed; PMID 21606132
- Legro RS, Kunselman AR, Brzyski RG, Casson PR, Diamond MP, Schlaff WD, Christman GM, Coutifaris C, Taylor HS, Eisenberg E, Santoro N, Zhang H. The Pregnancy in Polycystic Ovary Syndrome II (PPCOS II) trial: rationale and design of a double-blind randomized trial of clomiphene citrate and letrozole for the treatment of

- infertility in women with polycystic ovary syndrome. *Contemp Clin Trials*. 2012 May;33(3):470-81. Available from: PubMed; PMID 22265923
- Lewandowski KC, Cajdler-Luba A, Bienkiewicz M, Lewinski A. Women with oligo-/amenorrhoea and polycystic ovaries have identical responses to GnRH stimulation regardless of their androgen status: comparison of the Rotterdam and Androgen Excess Society diagnostic criteria. *Neuro Endocrinol Lett*. 2011;32(6):847-56. Available from: PubMed; PMID 22286802
- Lewandowski KC, Cajdler-Luba A, Salata I, Bienkiewicz M, Lewinski A. The utility of the gonadotrophin releasing hormone (GnRH) test in the diagnosis of polycystic ovary syndrome (PCOS). *Endokrynol Pol*. 2011;62(2):120-8. Available from: PubMed; PMID 21528473
- Li Q, Huang DM, Lu FE, Xie Y, Xu LJ, Zou X, Gong D, Wang ZS. Effects of Bushen Tongmai Recipe on protein kinase Balpha expression in polycystic ovary rats with insulin resistance. *Chin J Integr Med*. 2010 Aug;16(4):324-30. Available from: PubMed; PMID 20697943
- Li S, He A, Yang J, Yin T, Xu W. A logistic regression analysis of factors related to the treatment compliance of infertile patients with polycystic ovary syndrome. *J Reprod Med*. 2011 Jul-Aug;56(7-8):325-32. Available from: PubMed; PMID 21838163
- Liberty G, Hyman JH, Eldar-Geva T, Latinsky B, Gal M, Margalioth EJ. Ovarian hemorrhage after transvaginal ultrasonographically guided oocyte aspiration: a potentially catastrophic and not so rare complication among lean patients with polycystic ovary syndrome. *Fertil Steril*. 2010 Feb;93(3):874-9. Available from: PubMed; PMID 19064264
- Lidor AL, Goldenberg M, Cohen SB, Seidman DS, Mashlach S, Rabinovici J. Management of women with polycystic ovary syndrome who experienced premature luteinization during clomiphene citrate treatment. *Fertil Steril*. 2000 Oct;74(4):749-52. Available from: PubMed; PMID 11020518
- Ling SY, Chong KM, Hwang JL. Persistent megalocystic ovary following in vitro fertilization in a postpartum patient with polycystic ovarian syndrome. *Taiwan J Obstet Gynecol*. 2006 Mar;45(1):70-2. Available from: PubMed; PMID 17272214
- Liou TH, Yang JH, Hsieh CH, Lee CY, Hsu CS, Hsu MI. Clinical and biochemical presentations of polycystic ovary syndrome among obese and nonobese women. *Fertil Steril*. 2009 Dec;92(6):1960-5. Available from: PubMed; PMID 18980763
- Livadas S, Boutzios G, Economou F, Alexandraki K, Xyrafis X, Christou M, Zerva A, Karachalios A, Tantalaki E, Diamanti-Kandarakis E. The effect of oral micronized progesterone on hormonal and metabolic parameters in anovulatory patients with polycystic ovary syndrome. *Fertil Steril*. 2010 Jun;94(1):242-6. Available from: PubMed; PMID 19409554
- Lobo RA. Choice of treatment for women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S22-3. Available from: PubMed; PMID 16798280
- Lofgren E, Tapanainen JS, Koivunen R, Pakarinen A, Isojarvi JI. Effects of carbamazepine and oxcarbazepine on the reproductive endocrine function in women with epilepsy. *Epilepsia*. 2006 Sep;47(9):1441-6. Available from: PubMed; PMID 16981858
- Lofgren E, Mikkonen K, Tolonen U, Pakarinen A, Koivunen R, Myllyla VV, Tapanainen JS, Isojarvi JI. Reproductive endocrine function in women with epilepsy: the role of epilepsy type and medication. *Epilepsy Behav*. 2007 Feb;10(1):77-83. Available from: PubMed; PMID 17098479
- Lopez E, Gunby J, Daya S, Parrilla JJ, Abad L, Balasch J. Ovulation induction in women with polycystic ovary syndrome: randomized trial of clomiphene citrate versus low-dose recombinant FSH as first line therapy. *Reprod Biomed Online*. 2004 Oct;9(4):382-90. Available from: PubMed; PMID 15511336
- Lord JM, Flight IH, Norman RJ. Insulin-sensitising drugs (metformin, troglitazone, rosiglitazone, pioglitazone, D-chiro-inositol) for polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2003 (3):CD003053. Available from: PubMed; PMID 12917943
- Lord J, Wilkin T. Metformin in polycystic ovary syndrome. *Curr Opin Obstet Gynecol*. 2004 Dec;16(6):481-6. Available from: PubMed; PMID 15534444
- Lord J, Thomas R, Fox B, Acharya U, Wilkin T. The effect of metformin on fat distribution and the metabolic syndrome in women with polycystic ovary syndrome--a randomised, double-blind, placebo-controlled trial. *BJOG*. 2006 Jul;113(7):817-24. Available from: PubMed; PMID 16827766
- Lord JM, Norman R. Obesity, polycystic ovary syndrome, infertility treatment: lifestyle modification is paramount. *BMJ*. 2006 Mar 11;332(7541):609. Available from: PubMed; PMID 16528093
- Loverro G, Vicino M, Lorusso F, Vimercati A, Greco P, Selvaggi L. Polycystic ovary syndrome: relationship between insulin sensitivity, sex hormone levels and ovarian stromal blood flow. *Gynecol Endocrinol*. 2001 Apr;15(2):142-9. Available from: PubMed; PMID 11379011
- Lu XE, Huang HF, Li MG, Zhu YM, Qiang YL, Dong MY. Resistin levels of serum and follicular fluid in non-obese patients with polycystic ovary syndrome during IVF cycles. *J Zhejiang Univ Sci B*. 2005 Sep;6(9):897-902. Available from: PubMed; PMID 16130192

- Luef G, Abraham I, Haslinger M, Trinkla E, Seppi K, Unterberger I, Alge A, Windisch J, Lechleitner M, Bauer G. Polycystic ovaries, obesity and insulin resistance in women with epilepsy. A comparative study of carbamazepine and valproic acid in 105 women. *J Neurol*. 2002 Jul;249(7):835-41. Available from: PubMed; PMID 12140666
- Lunde O, Djoseiland O, Grottum P. Polycystic ovarian syndrome: a follow-up study on fertility and menstrual pattern in 149 patients 15-25 years after ovarian wedge resection. *Hum Reprod*. 2001 Jul;16(7):1479-85. Available from: PubMed; PMID 11425833
- Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JI, Sanchon R, San Millan JL, Escobar-Morreale HF. Increased body iron stores of obese women with polycystic ovary syndrome are a consequence of insulin resistance and hyperinsulinism and are not a result of reduced menstrual losses. *Diabetes Care*. 2007 Sep;30(9):2309-13. Available from: PubMed; PMID 17536071
- Ma F, Qiao L, Yue H, Xie S, Zhou X, Jiang M, Zhang W, Qi J, Wang L, Xu K. Homeostasis model assessment-insulin resistance (HOMA-IR), a key role for assessing the ovulation function in polycystic ovary syndrome (PCOS) patients with insulin resistance. *Endocr J*. 2008 Oct;55(5):943-5. Available from: PubMed; PMID 18552461
- Maitra A, Pingle RR, Menon PS, Naik V, Gokral JS, Meherji PK. Dyslipidemia with particular regard to apolipoprotein profile in association with polycystic ovary syndrome: a study among Indian women. *Int J Fertil Womens Med*. 2001 Sep-Oct;46(5):271-7. Available from: PubMed; PMID 11720200
- Malkawi HY, Qublan HS. Laparoscopic ovarian drilling in the treatment of polycystic ovary syndrome: how many punctures per ovary are needed to improve the reproductive outcome? *J Obstet Gynaecol Res*. 2005 Apr;31(2):115-9. Available from: PubMed; PMID 15771636
- Manneras L, Cajander S, Holmang A, Seleskovic Z, Lystig T, Lonn M, Stener-Victorin E. A new rat model exhibiting both ovarian and metabolic characteristics of polycystic ovary syndrome. *Endocrinology*. 2007 Aug;148(8):3781-91. Available from: PubMed; PMID 17495003
- Manneras L, Cajander S, Lonn M, Stener-Victorin E. Acupuncture and exercise restore adipose tissue expression of sympathetic markers and improve ovarian morphology in rats with dihydrotestosterone-induced PCOS. *Am J Physiol Regul Integr Comp Physiol*. 2009 Apr;296(4):R1124-31. Available from: PubMed; PMID 19158405
- Manni L, Lundeberg T, Holmang A, Aloe L, Stener-Victorin E. Effect of electro-acupuncture on ovarian expression of alpha (1)- and beta (2)-adrenoceptors, and p75 neurotrophin receptors in rats with steroid-induced polycystic ovaries. *Reprod Biol Endocrinol*. 2005;3:21. Available from: PubMed; PMID 15941472
- Mantzoros CS, Cramer DW, Liberman RF, Barbieri RL. Predictive value of serum and follicular fluid leptin concentrations during assisted reproductive cycles in normal women and in women with the polycystic ovarian syndrome. *Hum Reprod*. 2000 Mar;15(3):539-44. Available from: PubMed; PMID 10686193
- Marci R, Senn A, Dessole S, Chanson A, Loumaye E, De Grandi P, Germond M. A low-dose stimulation protocol using highly purified follicle-stimulating hormone can lead to high pregnancy rates in in vitro fertilization patients with polycystic ovaries who are at risk of a high ovarian response to gonadotropins. *Fertil Steril*. 2001 Jun;75(6):1131-5. Available from: PubMed; PMID 11384638
- Markle ME. Polycystic ovary syndrome: implications for the advanced practice nurse in primary care. *J Am Acad Nurse Pract*. 2001 Apr;13(4):160-3. Available from: PubMed; PMID 11930528
- Marquard KL, Stephens SM, Jungheim ES, Ratts VS, Odem RR, Lanzendorf S, Moley KH. Polycystic ovary syndrome and maternal obesity affect oocyte size in in vitro fertilization/intracytoplasmic sperm injection cycles. *Fertil Steril*. 2011 May;95(6):2146-9, 9 e1. Available from: PubMed; PMID 21071018
- Martins WP, Nastri CO, Reis RM, Ferriani RA. Endometrial preparation for in vitro maturation treatment. *Fertil Steril*. 2010 Jan;93(1):e6; author reply e7. Available from: PubMed; PMID 20004372
- Martins Wde P, dos Reis RM, Ferriani RA, de Araujo CH, Nastri CO, Filho FM. Endometrial preparation for in vitro oocyte maturation: early use of estrogen increases endometrial tissue and requires lower daily dosage: a cross over trial in 'mock' cycles. *J Assist Reprod Genet*. 2006 May;23(5):241-6. Available from: PubMed; PMID 16710750
- Masha A, Manieri C, Dinatale S, Bruno GA, Ghigo E, Martina V. Prolonged treatment with N-acetylcysteine and L-arginine restores gonadal function in patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2009 Dec;32(11):870-2. Available from: PubMed; PMID 19494711
- Mashiach R, Amit A, Hasson J, Amzalag S, Almog B, Ben-Yosef D, Lessing JB, Limor R, Azem F. Follicular fluid levels of anti-Mullerian hormone as a predictor of oocyte maturation, fertilization rate, and embryonic development in patients with polycystic ovary syndrome. *Fertil Steril*. 2010 May 1;93(7):2299-302. Available from: PubMed; PMID 19261276
- Mason H, Colao A, Blume-Peytavi U, Rice S, Qureshi A, Pellatt L, Orio F, Atkin SL. Polycystic ovary syndrome (PCOS) trilogy: a translational and clinical review. *Clin*

- Endocrinol (Oxf). 2008 Dec;69(6):831-44. Available from: PubMed; PMID 18616705
- Matalliotakis I, Kourtis A, Koukoura O, Panidis D. Polycystic ovary syndrome: etiology and pathogenesis. Arch Gynecol Obstet. 2006 Jul;274(4):187-97. Available from: PubMed; PMID 16685527
- Mathur R, Alexander CJ, Yano J, Trivax B, Azziz R. Use of metformin in polycystic ovary syndrome. Am J Obstet Gynecol. 2008 Dec;199(6):596-609. Available from: PubMed; PMID 19084097
- Mattle V, Bilgycildirim A, Hadziomerovic D, Ott HW, Zervomanolakis I, Leyendecker G, Wildt L. Polycystic ovarian disease unmasked by pulsatile GnRH therapy in a subgroup of women with hypothalamic amenorrhea. Fertil Steril. 2008 Feb;89(2):404-9. Available from: PubMed; PMID 17583701
- McCook JG, Reame NE, Thatcher SS. Health-related quality of life issues in women with polycystic ovary syndrome. J Obstet Gynecol Neonatal Nurs. 2005 Jan-Feb;34(1):12-20. Available from: PubMed; PMID 15673641
- McCormick B, Thomas M, Maxwell R, Williams D, Aubuchon M. Effects of polycystic ovarian syndrome on in vitro fertilization-embryo transfer outcomes are influenced by body mass index. Fertil Steril. 2008 Dec;90(6):2304-9. Available from: PubMed; PMID 18191852
- McCormick BA, Wilburn RD, Thomas MA, Williams DB, Maxwell R, Aubuchon M. Endometrial thickness predicts endometrial hyperplasia in patients with polycystic ovary syndrome. Fertil Steril. 2011 Jun 30;95(8):2625-7. Available from: PubMed; PMID 21550041
- McFarland C. Treating polycystic ovary syndrome and infertility. MCN Am J Matern Child Nurs. 2012 Mar-Apr;37(2):116-21. Available from: PubMed; PMID 22357073
- McGee WK, Bishop CV, Bahar A, Pohl CR, Chang RJ, Marshall JC, Pau FK, Stouffer RL, Cameron JL. Elevated androgens during puberty in female rhesus monkeys lead to increased neuronal drive to the reproductive axis: a possible component of polycystic ovary syndrome. Hum Reprod. 2012 Feb;27(2):531-40. Available from: PubMed; PMID 22114112
- McGovern PG, Carson SA, Barnhart HX, Myers ER, Legro RS, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, Cataldo NA, Steinkampf MP, Nestler JE, Gosman G, Leppert PC, Giudice LC. Medication adherence and treatment success in the National Institute of Child Health and Human Development-Reproductive Medicine Network's Pregnancy in Polycystic Ovary Syndrome Trial. Fertil Steril. 2008 Oct;90(4):1283-6. Available from: PubMed; PMID 18082737
- Mehrabian F, Essaie F. The laparoscopic ovarian electrocautery versus gonadotropin therapy in infertile women with clomiphene citrate-resistant polycystic ovary syndrome; a randomized controlled trial. J Pak Med Assoc. 2012 Mar;62(3 Suppl 2):S42-4. Available from: PubMed; PMID 22768457
- Mercorio F, Mercorio A, Di Spiezio Sardo A, Barba GV, Pellicano M, Nappi C. Evaluation of ovarian adhesion formation after laparoscopic ovarian drilling by second-look minilaparoscopy. Fertil Steril. 2008 May;89(5):1229-33. Available from: PubMed; PMID 17681339
- Miao ZL, Guo L, Wang YX, Cui R, Yang N, Huang MQ, Qin WB, Chen J, Li HM, Wang ZN, Wei XC. The intervention effect of Rosiglitazone in ovarian fibrosis of PCOS rats. Biomed Environ Sci. 2012 Feb;25(1):46-52. Available from: PubMed; PMID 22424626
- Misso ML, Costello MF, Garrubba M, Wong J, Hart R, Rombauts L, Melder AM, Norman RJ, Teede HJ. Metformin versus clomiphene citrate for infertility in non-obese women with polycystic ovary syndrome: a systematic review and meta-analysis. Hum Reprod Update. 2012 Sep 6. Available from: PubMed; PMID 22956412
- Misso ML, Teede HJ, Hart R, Wong J, Rombauts L, Melder AM, Norman RJ, Costello MF. Status of clomiphene citrate and metformin for infertility in PCOS. Trends Endocrinol Metab. 2012 Oct;23(10):533-43. Available from: PubMed; PMID 22939889
- Mitwally MF, Casper RF. Aromatase inhibition reduces the dose of gonadotropin required for controlled ovarian hyperstimulation. J Soc Gynecol Investig. 2004 Sep;11(6):406-15. Available from: PubMed; PMID 15350255
- Moini A, Sarrafion F, Ziaei S, Faghihzadeh S, Arabipour A. A possible role for familial thrombophilia in women with polycystic ovarian syndrome. Gynecol Endocrinol. 2011 Feb;27(2):80-5. Available from: PubMed; PMID 21231824
- Moll E, Korevaar JC, Bossuyt PM, van der Veen F. Does adding metformin to clomifene citrate lead to higher pregnancy rates in a subset of women with polycystic ovary syndrome? Hum Reprod. 2008 Aug;23(8):1830-4. Available from: PubMed; PMID 18487613
- Montville CP, Khabbaz M, Aubuchon M, Williams DB, Thomas MA. Luteal support with intravaginal progesterone increases clinical pregnancy rates in women with polycystic ovary syndrome using letrozole for ovulation induction. Fertil Steril. 2010 Jul;94(2):678-83. Available from: PubMed; PMID 19515366
- Morales-Ledesma L, Linares R, Rosas G, Moran C, Chavira R, Cardenas M, Dominguez R. Unilateral sectioning of the superior ovarian nerve of rats with polycystic ovarian syndrome restores ovulation in the



- innervated ovary. *Reprod Biol Endocrinol*. 2010;8:99. Available from: PubMed; PMID 20723258
- Moran C, Garcia-Hernandez E, Barahona E, Gonzalez S, Bermudez JA. Relationship between insulin resistance and gonadotropin dissociation in obese and nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2003 Dec;80(6):1466-72. Available from: PubMed; PMID 14667885
- Moran LJ, Noakes M, Clifton PM, Tomlinson L, Galletly C, Norman RJ. Dietary composition in restoring reproductive and metabolic physiology in overweight women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Feb;88(2):812-9. Available from: PubMed; PMID 12574218
- Morelli EM, Grazi RV. Metformin and BMI? *Fertil Steril*. 2002 Oct;78(4):890; author reply -1. Available from: PubMed; PMID 12372486
- Morgan JF, McCluskey SE, Brunton JN, Hubert Lacey J. Polycystic ovarian morphology and bulimia nervosa: a 9-year follow-up study. *Fertil Steril*. 2002 May;77(5):928-31. Available from: PubMed; PMID 12009345
- Morgante G, Orvieto R, Di Sabatino A, Musacchio MC, De Leo V. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):2642-4. Available from: PubMed; PMID 21300338
- Mori T, Nonoguchi K, Watanabe H, Ishikawa H, Tamura I, Kinoshita K. Morphogenesis of polycystic ovaries as assessed by pituitary-ovarian androgenic function. *Reprod Biomed Online*. 2009 May;18(5):635-43. Available from: PubMed; PMID 19549441
- Morin-Papunen L, Rantala AS, Unkila-Kallio L, Tiitinen A, Hippelainen M, Perheentupa A, Tinkanen H, Bloigu R, Puukka K, Ruokonen A, Tapanainen JS. Metformin improves pregnancy and live-birth rates in women with polycystic ovary syndrome (PCOS): a multicenter, double-blind, placebo-controlled randomized trial. *J Clin Endocrinol Metab*. 2012 May;97(5):1492-500. Available from: PubMed; PMID 22419702
- Morrell MJ. Reproductive and metabolic disorders in women with epilepsy. *Epilepsia*. 2003;44 Suppl 4:11-20. Available from: PubMed; PMID 12823565
- Morrell MJ, Hayes FJ, Sluss PM, Adams JM, Bhatt M, Ozkara C, Warnock CR, Isojarvi J. Hyperandrogenism, ovulatory dysfunction, and polycystic ovary syndrome with valproate versus lamotrigine. *Ann Neurol*. 2008 Aug;64(2):200-11. Available from: PubMed; PMID 18756476
- Mortensen M, Rosenfield RL, Littlejohn E. Functional significance of polycystic-size ovaries in healthy adolescents. *J Clin Endocrinol Metab*. 2006 Oct;91(10):3786-90. Available from: PubMed; PMID 16895960
- Mortensen M, Ehrmann DA, Littlejohn E, Rosenfield RL. Asymptomatic volunteers with a polycystic ovary are a functionally distinct but heterogeneous population. *J Clin Endocrinol Metab*. 2009 May;94(5):1579-86. Available from: PubMed; PMID 19240158
- Motta AB. Dehydroepiandrosterone to induce murine models for the study of polycystic ovary syndrome. *J Steroid Biochem Mol Biol*. 2010 Apr;119(3-5):105-11. Available from: PubMed; PMID 20188831
- Moura HH, Costa DL, Bagatin E, Sodre CT, Manela-Azulay M. Polycystic ovary syndrome: a dermatologic approach. *An Bras Dermatol*. 2011 Jan-Feb;86(1):111-9. Available from: PubMed; PMID 21437531
- Muderris, II, Boztosun A, Oner G, Bayram F. Effect of thyroid hormone replacement therapy on ovarian volume and androgen hormones in patients with untreated primary hypothyroidism. *Ann Saudi Med*. 2011 Mar-Apr;31(2):145-51. Available from: PubMed; PMID 21403408
- Muenstermann U, Kleinstein J. Long-term GnRH analogue treatment is equivalent to laparoscopic laser diathermy in polycystic ovarian syndrome patients with severe ovarian dysfunction. *Hum Reprod*. 2000 Dec;15(12):2526-30. Available from: PubMed; PMID 11098021
- Mulders AG, Laven JS, Imani B, Eijkemans MJ, Fauser BC. IVF outcome in anovulatory infertility (WHO group 2)--including polycystic ovary syndrome--following previous unsuccessful ovulation induction. *Reprod Biomed Online*. 2003 Jul-Aug;7(1):50-8. Available from: PubMed; PMID 12930574
- Mulders AG, ten Kate-Booij M, Pal R, De Kruif M, Nekru L, Oostra BA, Fauser BC, Laven JS. Influence of oral contraceptive pills on phenotype expression in women with polycystic ovary syndrome. *Reprod Biomed Online*. 2005 Dec;11(6):690-6. Available from: PubMed; PMID 16417732
- Murphy MK, Hall JE, Adams JM, Lee H, Welt CK. Polycystic ovarian morphology in normal women does not predict the development of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Oct;91(10):3878-84. Available from: PubMed; PMID 16882750
- Murray RD, Davison RM, Russell RC, Conway GS. Clinical presentation of PCOS following development of an insulinoma: case report. *Hum Reprod*. 2000 Jan;15(1):86-8. Available from: PubMed; PMID 10611194
- Muth S, Norman J, Sattar N, Fleming R. Women with polycystic ovary syndrome (PCOS) often undergo protracted treatment with metformin and are disinclined to stop: indications for a change in licensing arrangements?

- Hum Reprod. 2004 Dec;19(12):2718-20. Available from: PubMed; PMID 15388683
- Myers ER, Silva SG, Hafley G, Kunselman AR, Nestler JE, Legro RS. Estimating live birth rates after ovulation induction in polycystic ovary syndrome: sample size calculations for the pregnancy in polycystic ovary syndrome trial. *Contemp Clin Trials*. 2005 Jun;26(3):271-80. Available from: PubMed; PMID 15911461
- Nader S. Ovulation induction in women with polycystic ovary syndrome. *Nat Clin Pract Endocrinol Metab*. 2007 Jun;3(6):438-9. Available from: PubMed; PMID 17515888
- Nader S. Ovulation induction in polycystic ovary syndrome. *Minerva Ginecol*. 2008 Feb;60(1):53-61. Available from: PubMed; PMID 18277352
- Nader S. Infertility and pregnancy in women with polycystic ovary syndrome. *Minerva Endocrinol*. 2010 Dec;35(4):211-25. Available from: PubMed; PMID 21178917
- Nader S. Reproductive endocrinology: live birth prediction in polycystic ovary syndrome. *Nat Rev Endocrinol*. 2010 Feb;6(2):64-6. Available from: PubMed; PMID 20098444
- Naessen S, Carlstrom K, Garoff L, Glant R, Hirschberg AL. Polycystic ovary syndrome in bulimic women--an evaluation based on the new diagnostic criteria. *Gynecol Endocrinol*. 2006 Jul;22(7):388-94. Available from: PubMed; PMID 16864149
- Nahid L, Sirous K. Comparison of the effects of letrozole and clomiphene citrate for ovulation induction in infertile women with polycystic ovary syndrome. *Minerva Ginecol*. 2012 Jun;64(3):253-8. Available from: PubMed; PMID 22635021
- Nahuis MJ, Kose N, Bayram N, van Dessel HJ, Braat DD, Hamilton CJ, Hompes PG, Bossuyt PM, Mol BW, van der Veen F, van Wely M. Long-term outcomes in women with polycystic ovary syndrome initially randomized to receive laparoscopic electrocautery of the ovaries or ovulation induction with gonadotrophins. *Hum Reprod*. 2011 Jul;26(7):1899-904. Available from: PubMed; PMID 21576081
- Nardo LG, Rai R. Metformin therapy in the management of polycystic ovary syndrome: endocrine, metabolic and reproductive effects. *Gynecol Endocrinol*. 2001 Oct;15(5):373-80. Available from: PubMed; PMID 11727360
- Nardo LG, Buckett WM, White D, Digesu AG, Franks S, Khullar V. Three-dimensional assessment of ultrasound features in women with clomiphene citrate-resistant polycystic ovarian syndrome (PCOS): ovarian stromal volume does not correlate with biochemical indices. *Hum Reprod*. 2002 Apr;17(4):1052-5. Available from: PubMed; PMID 11925404
- Nardo LG, Buckett WM, Khullar V. Determination of the best-fitting ultrasound formulaic method for ovarian volume measurement in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Mar;79(3):632-3. Available from: PubMed; PMID 12620454
- Nardo LG. Management of anovulatory infertility associated with polycystic ovary syndrome: tamoxifen citrate an effective alternative compound to clomiphene citrate. *Gynecol Endocrinol*. 2004 Nov;19(5):235-8. Available from: PubMed; PMID 15726910
- Nazli Y, Colak N, Aksoy ON, Cakir O. Thyroid vein thrombosis in a young woman with methylenetetrahydrofolate reductase gene mutation receiving cyproterone acetate/ethinylestradiol treatment for polycystic ovary syndrome: a case report. *Blood Coagul Fibrinolysis*. 2011 Jun;22(4):331-3. Available from: PubMed; PMID 21415709
- Nejad ES, Saedi T, Saedi S, Rashidi BH, Nekoo ZA, Jahangiri N. Comparison of in vitro fertilisation success in patients with polycystic ovary syndrome and tubal factor. *Gynecol Endocrinol*. 2011 Feb;27(2):117-20. Available from: PubMed; PMID 20636232
- Nelson SM, Fleming RF. The preconception contraception paradigm: obesity and infertility. *Hum Reprod*. 2007 Apr;22(4):912-5. Available from: PubMed; PMID 17172282
- Nestler JE, Stovall D, Akhter N, Iuorno MJ, Jakubowicz DJ. Strategies for the use of insulin-sensitizing drugs to treat infertility in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Feb;77(2):209-15. Available from: PubMed; PMID 11821072
- Nestler JE. Metformin in the treatment of infertility in polycystic ovarian syndrome: an alternative perspective. *Fertil Steril*. 2008 Jul;90(1):14-6. Available from: PubMed; PMID 18550055
- Neveu N, Granger L, St-Michel P, Lavoie HB. Comparison of clomiphene citrate, metformin, or the combination of both for first-line ovulation induction and achievement of pregnancy in 154 women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jan;87(1):113-20. Available from: PubMed; PMID 17081535
- Ng EH, Chan CC, Ho PC. Are there differences in ultrasound parameters between Chinese women with polycystic ovaries only and with polycystic ovary syndrome? *Eur J Obstet Gynecol Reprod Biol*. 2006 Mar 1;125(1):92-8. Available from: PubMed; PMID 16140452
- Norman RJ. Obesity, polycystic ovary syndrome and anovulation--how are they interrelated? *Curr Opin Obstet Gynecol*. 2001 Jun;13(3):323-7. Available from: PubMed; PMID 11396658
- Norman RJ, Homan G, Moran L, Noakes M. Lifestyle choices, diet, and insulin sensitizers in polycystic ovary

- syndrome. *Endocrine*. 2006 Aug;30(1):35-43. Available from: PubMed; PMID 17185790
- Norman RJ, Dewailly D, Legro RS, Hickey TE. Polycystic ovary syndrome. *Lancet*. 2007 Aug 25;370(9588):685-97. Available from: PubMed; PMID 17720020
- Nugent D, Vandekerckhove P, Hughes E, Arnot M, Lilford R. Gonadotrophin therapy for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2000 (4):CD000410. Available from: PubMed; PMID 11034687
- Oakes MB, Gomes CM, Fioravanti J, Serafini P, Motta EL, Smith GD. A case of oocyte and embryo vitrification resulting in clinical pregnancy. *Fertil Steril*. 2008 Nov;90(5):2013 e5-8. Available from: PubMed; PMID 18579138
- Okoroafor UC, Jungheim ES. Incorporating patient preference into the management of infertility in women with polycystic ovary syndrome. *Patient Prefer Adherence*. 2012;6:407-15. Available from: PubMed; PMID 22723725
- Onalan G, Selam B, Baran Y, Cincik M, Onalan R, Gunduz U, Ural AU, Pabuccu R. Serum and follicular fluid levels of soluble Fas, soluble Fas ligand and apoptosis of luteinized granulosa cells in PCOS patients undergoing IVF. *Hum Reprod*. 2005 Sep;20(9):2391-5. Available from: PubMed; PMID 15932917
- Orio F, Jr., Palomba S, Cascella T, Tauchmanova L, Di Biase S, Labella D, Russo T, Pellicano M, Savastano S, Zullo F, Lombardi G, Colao A. Adrenal adenoma and normal androgen levels in a young woman with polycystic ovaries: a case of idiopathic hirsutism? *J Endocrinol Invest*. 2004 Jan;27(1):61-6. Available from: PubMed; PMID 15053246
- Orvieto R, Homburg R. Chronic ultra-low dose follicle-stimulating hormone regimen for patients with polycystic ovary syndrome: one click, one follicle, one pregnancy. *Fertil Steril*. 2009 Apr;91(4 Suppl):1533-5. Available from: PubMed; PMID 18990384
- Orvieto R, Meltcer S, Homburg R, Nahum R, Rabinson J, Ashkenazi J. What is the preferred GnRH analogue for polycystic ovary syndrome patients undergoing controlled ovarian hyperstimulation for in vitro fertilization? *Fertil Steril*. 2009 Apr;91(4 Suppl):1466-8. Available from: PubMed; PMID 18774558
- Orvieto R, Meltcer S, Liberty G, Rabinson J, Anteby EY, Nahum R. Does day-3 LH/FSH ratio influence in vitro fertilization outcome in PCOS patients undergoing controlled ovarian hyperstimulation with different GnRH-analogue? *Gynecol Endocrinol*. 2012 Jun;28(6):422-4. Available from: PubMed; PMID 22578028
- Ota H, Goto T, Yoshioka T, Ohyama N. Successful pregnancies treated with pioglitazone in infertile patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Sep;90(3):709-13. Available from: PubMed; PMID 18423625
- Ott J, Aust S, Kurz C, Nouri K, Wirth S, Huber JC, Mayerhofer K. Elevated antithyroid peroxidase antibodies indicating Hashimoto's thyroiditis are associated with the treatment response in infertile women with polycystic ovary syndrome. *Fertil Steril*. 2010 Dec;94(7):2895-7. Available from: PubMed; PMID 20638057
- Ott J, Wattar L, Kurz C, Seemann R, Huber JC, Mayerhofer K, Vytiska-Binstorfer E. Parameters for calcium metabolism in women with polycystic ovary syndrome who undergo clomiphene citrate stimulation: a prospective cohort study. *Eur J Endocrinol*. 2012 May;166(5):897-902. Available from: PubMed; PMID 22330149
- Owj M, Tehrani-Nejad ES, Amirchaghmaghi E, Baghestani AR, Ahmadi J. The role of ketoconazole in the prevention of ovarian hyperstimulation syndrome in patients with polycystic ovary syndrome during assisted reproductive technology cycles. *Saudi Med J*. 2005 Oct;26(10):1584-7. Available from: PubMed; PMID 16228060
- Oyawoye OA, Chander B, Hunter J, Gadir AA. Prevention of ovarian hyperstimulation syndrome by early aspiration of small follicles in hyper-responsive patients with polycystic ovaries during assisted reproductive treatment cycles. *MedGenMed*. 2005;7(3):60. Available from: PubMed; PMID 16369286
- Ozcimen EE, Uckuyu A, Ciftci FC, Zeyneloglu HB. The effect of metformin treatment on ovarian stromal blood flow in women with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2009 Aug;280(2):263-9. Available from: PubMed; PMID 19125266
- Ozerkan K, Uncu G, Tufekci M. Insulin-like growth factor-1 and insulin-like growth factor-binding protein-1 in patients with polycystic ovary syndrome during clomiphene citrate therapy. *Int J Gynaecol Obstet*. 2010 Jan;108(1):71-2. Available from: PubMed; PMID 19782978
- Ozgun MT, Uludag S, Oner G, Batukan C, Aygen EM, Sahin Y. The influence of obesity on ICSI outcomes in women with polycystic ovary syndrome. *J Obstet Gynaecol*. 2011;31(3):245-9. Available from: PubMed; PMID 21417650
- Ozkan S, Vural B, Caliskan E, Bodur H, Turkoz E, Vural F. Color Doppler sonographic analysis of uterine and ovarian artery blood flow in women with polycystic ovary syndrome. *J Clin Ultrasound*. 2007 Jul-Aug;35(6):305-13. Available from: PubMed; PMID 17471581
- Pagidas K, Carson SA, McGovern PG, Barnhart HX, Myers ER, Legro RS, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, Steinkampf MP, Cataldo NA, Nestler JE, Gosman G, Giudice LC. Intercourse compliance, ovulation, and treatment success in the National Institute of Child Health and Human Development-Reproductive Medicine

Network's Pregnancy in Polycystic Ovary Syndrome (PPCOS) Trial. *Fertil Steril*. 2010 Sep;94(4):1444-6. Available from: PubMed; PMID 19540477

Pak SC, Lim SC, Nah SY, Lee J, Hill JA, Bae CS. Role of Korean red ginseng total saponins in rat infertility induced by polycystic ovaries. *Fertil Steril*. 2005 Oct;84 Suppl 2:1139-43. Available from: PubMed; PMID 16210005

Pak SC, Kim SE, Oh DM, Shim KM, Jeong MJ, Lim SC, Nah SY, Park SH, Kang SS, Moon CJ, Kim JC, Kim SH, Bae CS. Effect of Korean red ginseng extract in a steroid-induced polycystic ovary murine model. *Arch Pharm Res*. 2009 Mar;32(3):347-52. Available from: PubMed; PMID 19387577

Palep-Singh M, Picton HM, Vrotsou K, Maruthini D, Balen AH. South Asian women with polycystic ovary syndrome exhibit greater sensitivity to gonadotropin stimulation with reduced fertilization and ongoing pregnancy rates than their Caucasian counterparts. *Eur J Obstet Gynecol Reprod Biol*. 2007 Oct;134(2):202-7. Available from: PubMed; PMID 17367914

Pall M, Azziz R, Beires J, Pignatelli D. The phenotype of hirsute women: a comparison of polycystic ovary syndrome and 21-hydroxylase-deficient nonclassic adrenal hyperplasia. *Fertil Steril*. 2010 Jul;94(2):684-9. Available from: PubMed; PMID 19726039

Palomba S, Orio F, Jr., Falbo A, Russo T, Lombardi G, Zullo F. Are laparoscopic ovarian diathermy and gonadotropin administration the only therapeutic second-steps in clomiphene-citrate resistant women with polycystic ovary syndrome? *Hum Reprod*. 2004 Nov;19(11):2682-3; author reply 3. Available from: PubMed; PMID 15496601

Palomba S, Orio F, Jr., Russo T, Falbo A, Cascella T, Colao A, Lombardi G, Zullo F. Is ovulation induction still a therapeutic problem in patients with polycystic ovary syndrome? *J Endocrinol Invest*. 2004 Sep;27(8):796-805. Available from: PubMed; PMID 15636438

Palomba S, Falbo A, Orio F, Jr., Manguso F, Russo T, Tolino A, Annamaria C, Dale B, Zullo F. A randomized controlled trial evaluating metformin pre-treatment and co-administration in non-obese insulin-resistant women with polycystic ovary syndrome treated with controlled ovarian stimulation plus timed intercourse or intrauterine insemination. *Hum Reprod*. 2005 Oct;20(10):2879-86. Available from: PubMed; PMID 15958399

Palomba S, Orio F, Jr., Falbo A, Manguso F, Russo T, Cascella T, Tolino A, Carmina E, Colao A, Zullo F. Prospective parallel randomized, double-blind, double-dummy controlled clinical trial comparing clomiphene citrate and metformin as the first-line treatment for ovulation induction in nonobese anovulatory women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Jul;90(7):4068-74. Available from: PubMed; PMID 15840746

Palomba S, Falbo A, Orio F, Jr., Russo T, Sbrano F, D'Alessandro P, Cariati F, Tolino A, Colao A, Zullo F. Efficacy of laparoscopic ovarian diathermy in clomiphene citrate-resistant women with polycystic ovary syndrome: relationships with chronological and ovarian age. *Gynecol Endocrinol*. 2006 Jun;22(6):329-35. Available from: PubMed; PMID 16785158

Palomba S, Orio F, Jr., Falbo A, Russo T, Tolino A, Zullo F. Effects of metformin and clomiphene citrate on ovarian vascularity in patients with polycystic ovary syndrome. *Fertil Steril*. 2006 Dec;86(6):1694-701. Available from: PubMed; PMID 17074337

Palomba S, Orio F, Zullo F. Ovulation induction in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S26-7. Available from: PubMed; PMID 16798282

Palomba S, Russo T, Orio F, Jr., Falbo A, Manguso F, Cascella T, Tolino A, Carmina E, Colao A, Zullo F. Uterine effects of metformin administration in anovulatory women with polycystic ovary syndrome. *Hum Reprod*. 2006 Feb;21(2):457-65. Available from: PubMed; PMID 16253975

Palomba S, Russo T, Orio F, Jr., Falbo A, Manguso F, Sammartino A, Tolino A, Colao A, Carmina E, Zullo F. Uterine effects of clomiphene citrate in women with polycystic ovary syndrome: a prospective controlled study. *Hum Reprod*. 2006 Nov;21(11):2823-9. Available from: PubMed; PMID 16835214

Palomba S, Zullo F. Ovulation induction in infertile patients with polycystic ovary syndrome. *Minerva Ginecol*. 2006 Apr;58(2):115-35. Available from: PubMed; PMID 16582868

Palomba S, Orio F, Jr., Falbo A, Russo T, Tolino A, Zullo F. Clomiphene citrate versus metformin as first-line approach for the treatment of anovulation in infertile patients with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Sep;92(9):3498-503. Available from: PubMed; PMID 17595241

Palomba S, Orio F, Jr., Zullo F. What is the best first-step therapeutic approach in treating anovulatory infertility in patients with polycystic ovary syndrome? Questions that are still unanswered. *Gynecol Endocrinol*. 2007 May;23(5):245-7. Available from: PubMed; PMID 17558680

Palomba S, Falbo A, Orio F, Jr., Russo T, Tolino A, Zullo F. Pretreatment with oral contraceptives in infertile anovulatory patients with polycystic ovary syndrome who receive gonadotropins for controlled ovarian stimulation. *Fertil Steril*. 2008 Jun;89(6):1838-42. Available from: PubMed; PMID 17980363

Palomba S, Falbo A, Orio F, Zullo F. Insulin-sensitizing agents and reproductive function in polycystic ovary syndrome patients. *Curr Opin Obstet Gynecol*. 2008

Aug;20(4):364-73. Available from: PubMed; PMID 18660688

Palomba S, Giallauria F, Falbo A, Russo T, Oppedisano R, Tolino A, Colao A, Vigorito C, Zullo F, Orio F. Structured exercise training programme versus hypocaloric hyperproteic diet in obese polycystic ovary syndrome patients with anovulatory infertility: a 24-week pilot study. *Hum Reprod.* 2008 Mar;23(3):642-50. Available from: PubMed; PMID 18158291

Palomba S, Oppedisano R, Tolino A, Orio F, Zullo F. Outlook: metformin use in infertile patients with polycystic ovary syndrome: an evidence-based overview. *Reprod Biomed Online.* 2008 Mar;16(3):327-35. Available from: PubMed; PMID 18339252

Palomba S, Falbo A, Orio F, Jr., Tolino A, Zullo F. Efficacy predictors for metformin and clomiphene citrate treatment in anovulatory infertile patients with polycystic ovary syndrome. *Fertil Steril.* 2009 Jun;91(6):2557-67. Available from: PubMed; PMID 18440534

Palomba S, Falbo A, Zullo F. Management strategies for ovulation induction in women with polycystic ovary syndrome and known clomifene citrate resistance. *Curr Opin Obstet Gynecol.* 2009 Dec;21(6):465-73. Available from: PubMed; PMID 19809318

Palomba S, Falbo A, Zullo F, Orio F, Jr. Evidence-based and potential benefits of metformin in the polycystic ovary syndrome: a comprehensive review. *Endocr Rev.* 2009 Feb;30(1):1-50. Available from: PubMed; PMID 19056992

Palomba S, Pasquali R, Orio F, Jr., Nestler JE. Clomiphene citrate, metformin or both as first-step approach in treating anovulatory infertility in patients with polycystic ovary syndrome (PCOS): a systematic review of head-to-head randomized controlled studies and meta-analysis. *Clin Endocrinol (Oxf).* 2009 Feb;70(2):311-21. Available from: PubMed; PMID 18691273

Palomba S, Falbo A, Battista L, Russo T, Venturella R, Tolino A, Orio F, Zullo F. Laparoscopic ovarian diathermy vs clomiphene citrate plus metformin as second-line strategy for infertile anovulatory patients with polycystic ovary syndrome: a randomized controlled trial. *Am J Obstet Gynecol.* 2010 Jun;202(6):577 e1-8. Available from: PubMed; PMID 20096821

Palomba S, Falbo A, Giallauria F, Russo T, Rocca M, Tolino A, Zullo F, Orio F. Six weeks of structured exercise training and hypocaloric diet increases the probability of ovulation after clomiphene citrate in overweight and obese patients with polycystic ovary syndrome: a randomized controlled trial. *Hum Reprod.* 2010 Nov;25(11):2783-91. Available from: PubMed; PMID 20858697

Palomba S, Falbo A, Russo T, Orio F, Tolino A, Zullo F. Systemic and local effects of metformin administration in patients with polycystic ovary syndrome (PCOS): relationship to the ovulatory response. *Hum Reprod.* 2010

Apr;25(4):1005-13. Available from: PubMed; PMID 20106839

Palomba S, Falbo A, Di Cello A, Cappiello F, Tolino A, Zullo F. Does metformin affect the ovarian response to gonadotropins for in vitro fertilization treatment in patients with polycystic ovary syndrome and reduced ovarian reserve? A randomized controlled trial. *Fertil Steril.* 2011 Nov;96(5):1128-33. Available from: PubMed; PMID 21917254

Palomba S, Falbo A, Russo T, Di Cello A, Morelli M, Orio F, Cappiello F, Tolino A, Zullo F. Metformin administration in patients with polycystic ovary syndrome who receive gonadotropins for in vitro fertilization cycles: 10-year experience in a large infertile population. *Gynecol Endocrinol.* 2012 Feb;28(2):81-6. Available from: PubMed; PMID 21770836

Palomba S, Russo T, Falbo A, Di Cello A, Amendola G, Mazza R, Tolino A, Zullo F, Tucci L, La Sala GB. Decidual endovascular trophoblast invasion in women with polycystic ovary syndrome: an experimental case-control study. *J Clin Endocrinol Metab.* 2012 Jul;97(7):2441-9. Available from: PubMed; PMID 22508703

Pan HA, Wu MH, Cheng YC, Li CH, Chang FM. Quantification of Doppler signal in polycystic ovary syndrome using three-dimensional power Doppler ultrasonography: a possible new marker for diagnosis. *Hum Reprod.* 2002 Jan;17(1):201-6. Available from: PubMed; PMID 11756388

Panidis D, Koliakos G, Kourtis A, Farmakiotis D, Mouslech T, Rousso D. Serum resistin levels in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Feb;81(2):361-6. Available from: PubMed; PMID 14967374

Panidis D, Farmakiotis D. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 May 10;356(19):1999; author reply 2000-1. Available from: PubMed; PMID 17494937

Papaioannou S, Tzafettas J. Anovulation with or without PCO, hyperandrogenaemia and hyperinsulinaemia as promoters of endometrial and breast cancer. *Best Pract Res Clin Obstet Gynaecol.* 2010 Feb;24(1):19-27. Available from: PubMed; PMID 19264556

Papaleo E, Doldi N, De Santis L, Marelli G, Marsiglio E, Rofena S, Ferrari A. Cabergoline influences ovarian stimulation in hyperprolactinaemic patients with polycystic ovary syndrome. *Hum Reprod.* 2001 Nov;16(11):2263-6. Available from: PubMed; PMID 11679501

Papaleo E, Unfer V, Baillargeon JP, De Santis L, Fusi F, Brigante C, Marelli G, Cino I, Redaelli A, Ferrari A. Myo-inositol in patients with polycystic ovary syndrome: a novel method for ovulation induction. *Gynecol Endocrinol.* 2007 Dec;23(12):700-3. Available from: PubMed; PMID 17952759

- Papaleo E. Inositol effects on ovulation induction in patients with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):e47; author reply e9. Available from: PubMed; PMID 21496806
- Paradisi G, Steinberg HO, Shepard MK, Hook G, Baron AD. Troglitazone therapy improves endothelial function to near normal levels in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Feb;88(2):576-80. Available from: PubMed; PMID 12574183
- Park E, Cockrem JF, Han KH, Kim DH, Jung MH, Chu JP. Stress-induced activation of ovarian heat shock protein 90 in a rat model of polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2012 Feb;38(2):396-407. Available from: PubMed; PMID 22176470
- Parsanezhad ME, Alborzi S, Zarei A, Dehbashi S, Omrani G. Insulin resistance in clomiphene responders and non-responders with polycystic ovarian disease and therapeutic effects of metformin. *Int J Gynaecol Obstet*. 2001 Oct;75(1):43-50. Available from: PubMed; PMID 11597618
- Parsanezhad ME, Alborzi S, Jahromi BN. A prospective, double-blind, randomized, placebo-controlled clinical trial of bromocriptine in clomiphene-resistant patients with polycystic ovary syndrome and normal prolactin level. *Int J Fertil Womens Med*. 2002 Nov-Dec;47(6):272-7. Available from: PubMed; PMID 12570169
- Parsanezhad ME, Alborzi S, Pakniat M, Schmidt EH. A double-blind, randomized, placebo-controlled study to assess the efficacy of ketoconazole for reducing the risk of ovarian hyperstimulation syndrome. *Fertil Steril*. 2003 Nov;80(5):1151-5. Available from: PubMed; PMID 14607566
- Parsanezhad ME, Bagheri MH, Alborzi S, Schmidt EH. Ovarian stromal blood flow changes after laparoscopic ovarian cauterization in women with polycystic ovary syndrome. *Hum Reprod*. 2003 Jul;18(7):1432-7. Available from: PubMed; PMID 12832368
- Parsanezhad ME, Alborzi S, Zolghadri J, Parsa-Nezhad M, Keshavarzi G, Omrani GR, Schmidt EH. Hyperprolactinemia after laparoscopic ovarian drilling: an unknown phenomenon. *Reprod Biol Endocrinol*. 2005;3:31. Available from: PubMed; PMID 16083511
- Pastore LM, Dalal P. Recruitment strategies for an acupuncture randomized clinical trial of reproductive age women. *Complement Ther Med*. 2009 Aug;17(4):229-35. Available from: PubMed; PMID 19632551
- Patel SM, Nestler JE. Fertility in polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2006 Mar;35(1):137-55, vii. Available from: PubMed; PMID 16310646
- Patel SS, Carr BR. Oocyte quality in adult polycystic ovary syndrome. *Semin Reprod Med*. 2008 Mar;26(2):196-203. Available from: PubMed; PMID 18302111
- Pauli S, Lobo RA. Polycystic ovary syndrome after menopause: a case report. *J Reprod Med*. 2004 Jun;49(6):491-4. Available from: PubMed; PMID 15283061
- Pellatt L, Rice S, Mason HD. Anti-Mullerian hormone and polycystic ovary syndrome: a mountain too high? *Reproduction*. 2010 May;139(5):825-33. Available from: PubMed; PMID 20207725
- Pembe AB, Abeid MS. Polycystic ovaries and associated clinical and biochemical features among women with infertility in a tertiary hospital in Tanzania. *Tanzan J Health Res*. 2009 Oct;11(4):175-80. Available from: PubMed; PMID 20734696
- Pena O, Palumbo A, Gonzalez-Fernandez R, Hernandez J, Naftolin F, Avila J. Expression of angiotensin II type 1 (AT1) and angiotensin II type 2 (AT2) receptors in human granulosa-lutein (GL) cells: correlation with infertility diagnoses. *Fertil Steril*. 2010 Mar 15;93(5):1601-8. Available from: PubMed; PMID 19524223
- Pereira M, Jr., Vidotti DB, Borra RC, Simoes Mde J, Da Silva ID, Haidar MA. Involvement of GDF-9, leptin, and IGF1 receptors associated with adipose tissue transplantation on fertility restoration in obese anovulatory mice. *Gynecol Endocrinol*. 2011 Oct;27(10):759-66. Available from: PubMed; PMID 21557698
- Phelan N, O'Connor A, Kyaw Tun T, Correia N, Boran G, Roche HM, Gibney J. Hormonal and metabolic effects of polyunsaturated fatty acids in young women with polycystic ovary syndrome: results from a cross-sectional analysis and a randomized, placebo-controlled, crossover trial. *Am J Clin Nutr*. 2011 Mar;93(3):652-62. Available from: PubMed; PMID 21270384
- Pigny P, Jonard S, Robert Y, Dewailly D. Serum anti-Mullerian hormone as a surrogate for antral follicle count for definition of the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2006 Mar;91(3):941-5. Available from: PubMed; PMID 16368745
- Piltonen T, Morin-Papunen L, Koivunen R, Perheentupa A, Ruokonen A, Tapanainen JS. Serum anti-Mullerian hormone levels remain high until late reproductive age and decrease during metformin therapy in women with polycystic ovary syndrome. *Hum Reprod*. 2005 Jul;20(7):1820-6. Available from: PubMed; PMID 15802325
- Piouka A, Farmakiotis D, Katsikis I, Macut D, Gerou S, Panidis D. Anti-Mullerian hormone levels reflect severity of PCOS but are negatively influenced by obesity: relationship with increased luteinizing hormone levels. *Am J Physiol Endocrinol Metab*. 2009 Feb;296(2):E238-43. Available from: PubMed; PMID 18957615

- Plati E, Kouskouni E, Malamitsi-Puchner A, Boutsikou M, Kaparos G, Baka S. Visfatin and leptin levels in women with polycystic ovaries undergoing ovarian stimulation. *Fertil Steril.* 2010 Sep;94(4):1451-6. Available from: PubMed; PMID 19523615
- Plaza F, Gabler F, Romero C, Vantman D, Valladares L, Vega M. The conversion of dehydroepiandrosterone into androst-5-ene-3beta,17beta-diol (androstenediol) is increased in endometria from untreated women with polycystic ovarian syndrome. *Steroids.* 2010 Dec;75(12):810-7. Available from: PubMed; PMID 20620158
- Polyzos NP, Tsappi M, Mauri D, Atay V, Cortinovis I, Casazza G. Aromatase inhibitors for infertility in polycystic ovary syndrome. The beginning or the end of a new era? *Fertil Steril.* 2008 Feb;89(2):278-80. Available from: PubMed; PMID 18275882
- Poujade O, Gervaise A, Faivre E, Deffieux X, Fernandez H. Surgical management of infertility due to polycystic ovarian syndrome after failure of medical management. *Eur J Obstet Gynecol Reprod Biol.* 2011 Oct;158(2):242-7. Available from: PubMed; PMID 21641713
- Prata Lima MF, Baracat EC, Simoes MJ. Effects of melatonin on the ovarian response to pinealectomy or continuous light in female rats: similarity with polycystic ovary syndrome. *Braz J Med Biol Res.* 2004 Jul;37(7):987-95. Available from: PubMed; PMID 15264005
- Pritts EA. Treatment of the infertile patient with polycystic ovarian syndrome. *Obstet Gynecol Surv.* 2002 Sep;57(9):587-97. Available from: PubMed; PMID 12218667
- Priyadarshani A. Relevance of an opioid, nospapine in reducing cystogeneses in rat experimental model of polycystic ovary syndrome. *J Endocrinol Invest.* 2009 Nov;32(10):837-43. Available from: PubMed; PMID 19609106
- Qu F, Wang FF, Lu XE, Dong MY, Sheng JZ, Lv PP, Ding GL, Shi BW, Zhang D, Huang HF. Altered aquaporin expression in women with polycystic ovary syndrome: hyperandrogenism in follicular fluid inhibits aquaporin-9 in granulosa cells through the phosphatidylinositol 3-kinase pathway. *Hum Reprod.* 2010 Jun;25(6):1441-50. Available from: PubMed; PMID 20378617
- Qublan HS, Yannakoula EK, Al-Qudah MA, El-Uri FI. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovary syndrome. A prospective comparative study. *Saudi Med J.* 2007 Nov;28(11):1694-9. Available from: PubMed; PMID 17965792
- Rachon D, Teede H. Ovarian function and obesity--interrelationship, impact on women's reproductive lifespan and treatment options. *Mol Cell Endocrinol.* 2010 Mar 25;316(2):172-9. Available from: PubMed; PMID 19818376
- Raffone E, Rizzo P, Benedetto V. Insulin sensitiser agents alone and in co-treatment with r-FSH for ovulation induction in PCOS women. *Gynecol Endocrinol.* 2010 Apr;26(4):275-80. Available from: PubMed; PMID 20222840
- Rai R, Backos M, Rushworth F, Regan L. Polycystic ovaries and recurrent miscarriage--a reappraisal. *Hum Reprod.* 2000 Mar;15(3):612-5. Available from: PubMed; PMID 10686206
- Rasgon NL, Altshuler LL, Fairbanks L, Elman S, Bitran J, Labarca R, Saad M, Kupka R, Nolen WA, Frye MA, Suppes T, McElroy SL, Keck PE, Jr., Leverich G, Grunze H, Walden J, Post R, Mintz J. Reproductive function and risk for PCOS in women treated for bipolar disorder. *Bipolar Disord.* 2005 Jun;7(3):246-59. Available from: PubMed; PMID 15898962
- Rashidi B, Haghollahi F, Shariat M, Zayerii F. The effects of calcium-vitamin D and metformin on polycystic ovary syndrome: a pilot study. *Taiwan J Obstet Gynecol.* 2009 Jun;48(2):142-7. Available from: PubMed; PMID 19574176
- Ratts VS, Pauls RN, Pinto AB, Kraja A, Williams DB, Odem RR. Risk of multiple gestation after ovulation induction in polycystic ovary syndrome. *J Reprod Med.* 2007 Oct;52(10):896-900. Available from: PubMed; PMID 17977162
- Redman LM, Elkind-Hirsch K, Ravussin E. Aerobic exercise in women with polycystic ovary syndrome improves ovarian morphology independent of changes in body composition. *Fertil Steril.* 2011 Jun 30;95(8):2696-9. Available from: PubMed; PMID 21324452
- Reinblatt SL, Buckett W. In vitro maturation for patients with polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):121-6. Available from: PubMed; PMID 18181090
- Reinblatt SL, Son WY, Shalom-Paz E, Holzer H. Controversies in IVM. *J Assist Reprod Genet.* 2011 Jun;28(6):525-30. Available from: PubMed; PMID 21556889
- Resende AV, Mendes MC, Dias de Moura M, Mendonca HC, Gomes Premoli AC, Reis RM, Berezowski AT. Doppler study of the uterine arteries and ovarian stroma in patients with polycystic ovary syndrome. *Gynecol Obstet Invest.* 2001;52(3):153-7. Available from: PubMed; PMID 11598355
- Restuccia DF, Hynx D, Hemmings BA. Loss of PKBbeta/Akt2 predisposes mice to ovarian cyst formation and increases the severity of polycystic ovary formation in vivo. *Dis Model Mech.* 2012 May;5(3):403-11. Available from: PubMed; PMID 22275470

Rice S, Christoforidis N, Gadd C, Nikolaou D, Seyani L, Donaldson A, Margara R, Hardy K, Franks S. Impaired insulin-dependent glucose metabolism in granulosa-lutein cells from anovulatory women with polycystic ovaries. *Hum Reprod.* 2005 Feb;20(2):373-81. Available from: PubMed; PMID 15539436

Rizzo P, Raffone E. Comments on the role of inositol supplementation in patients with polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):e48; author reply e9. Available from: PubMed; PMID 21496811

Romualdi D, Giuliani M, Cristello F, Fulghesu AM, Selvaggi L, Lanzone A, Guido M. Metformin effects on ovarian ultrasound appearance and steroidogenic function in normal-weight normoinsulinemic women with polycystic ovary syndrome: a randomized double-blind placebo-controlled clinical trial. *Fertil Steril.* 2010 May 1;93(7):2303-10. Available from: PubMed; PMID 19268929

Rosencrantz MA, Coffler MS, Haggan A, Duke KB, Donohue MC, Shayya RF, Su HI, Chang RJ. Clinical evidence for predominance of delta-5 steroid production in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Apr;96(4):1106-13. Available from: PubMed; PMID 21270326

Rosenfield RL, Wroblewski K, Padmanabhan V, Littlejohn E, Mortensen M, Ehrmann DA. Antimüllerian hormone levels are independently related to ovarian hyperandrogenism and polycystic ovaries. *Fertil Steril.* 2012 Jul;98(1):242-9. Available from: PubMed; PMID 22541936

Rowe T. Clomiphene citrate: an old favourite lives on. *J Obstet Gynaecol Can.* 2007 Aug;29(8):617-21. Available from: PubMed; PMID 17714613

Saha L, Kaur S, Saha PK. Pharmacotherapy of polycystic ovary syndrome--an update. *Fundam Clin Pharmacol.* 2012 Feb;26(1):54-62. Available from: PubMed; PMID 21210850

Sahin Y, Yirmibes U, Kelestimur F, Aygen E. The effects of metformin on insulin resistance, clomiphene-induced ovulation and pregnancy rates in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Apr 15;113(2):214-20. Available from: PubMed; PMID 15063963

Saleh AM, Khalil HS. Review of nonsurgical and surgical treatment and the role of insulin-sensitizing agents in the management of infertile women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2004 Jul;83(7):614-21. Available from: PubMed; PMID 15225184

Salehpour S, Sene AA, Saharkhiz N, Sohrabi MR, Moghimian F. N-Acetylcysteine as an adjuvant to clomiphene citrate for successful induction of ovulation in infertile patients with polycystic ovary syndrome. *J Obstet*

*Gynaecol Res.* 2012 Sep;38(9):1182-6. Available from: PubMed; PMID 22540635

Salobir B, Prezelj J, Kocijancic A, Meden-Vrtovec H. Basal glucose level as an independent predictor of fertilization rate in patients without polycystic ovary syndrome included in an in-vitro fertilization program. *Wien Klin Wochenschr.* 2002 Jun 28;114(12):454-7. Available from: PubMed; PMID 12422580

Salvesen KA, Vanky E, Carlsen SM. Metformin treatment in pregnant women with polycystic ovary syndrome--is reduced complication rate mediated by changes in the uteroplacental circulation? *Ultrasound Obstet Gynecol.* 2007 Apr;29(4):433-7. Available from: PubMed; PMID 17330831

Sander VA, Hapon MB, Sicaro L, Lombardi EP, Jahn GA, Motta AB. Alterations of folliculogenesis in women with polycystic ovary syndrome. *J Steroid Biochem Mol Biol.* 2011 Mar;124(1-2):58-64. Available from: PubMed; PMID 21262361

Sangraula H, Paudel KR, Sharma M. Metformin and troglitazone in the treatment of female infertility associated with polycystic ovarian syndrome. *JNMA J Nepal Med Assoc.* 2009 Oct-Dec;48(176):335-9. Available from: PubMed; PMID 21105563

Sara L, Antal P, Masszi G, Buday A, Horvath EM, Hamar P, Monos E, Nadasy GL, Varbiro S. Arteriolar insulin resistance in a rat model of polycystic ovary syndrome. *Fertil Steril.* 2012 Feb;97(2):462-8. Available from: PubMed; PMID 22154764

Sara L, Nadasy G, Antal P, Szekeres M, Monori-Kiss A, Horvath EM, Tokes AM, Masszi G, Monos E, Varbiro S. Arteriolar biomechanics in a rat polycystic ovary syndrome model - effects of parallel vitamin D3 treatment. *Acta Physiol Hung.* 2012 Sep;99(3):279-88. Available from: PubMed; PMID 22982716

Savaris RF, Groll JM, Young SL, DeMayo FJ, Jeong JW, Hamilton AE, Giudice LC, Lessey BA. Progesterone resistance in PCOS endometrium: a microarray analysis in clomiphene citrate-treated and artificial menstrual cycles. *J Clin Endocrinol Metab.* 2011 Jun;96(6):1737-46. Available from: PubMed; PMID 21411543

Scarpitta AM, Sinagra D. Polycystic ovary syndrome: an endocrine and metabolic disease. *Gynecol Endocrinol.* 2000 Oct;14(5):392-5. Available from: PubMed; PMID 11109980

Schlaff WD, Zhang H, Diamond MP, Coutifaris C, Casson PR, Brzyski RG, Christman GM, Barnhart KT, Trussell JC, Krawetz SA, Snyder PJ, Ohl D, Santoro N, Eisenberg E, Huang H, Legro RS. Increasing burden of institutional review in multicenter clinical trials of infertility: the Reproductive Medicine Network experience with the Pregnancy in Polycystic Ovary Syndrome (PPCOS) I and II



studies. *Fertil Steril*. 2011 Jul;96(1):15-8. Available from: PubMed; PMID 21645894

Schmidt J, Brannstrom M, Landin-Wilhelmsen K, Dahlgren E. Reproductive hormone levels and anthropometry in postmenopausal women with polycystic ovary syndrome (PCOS): a 21-year follow-up study of women diagnosed with PCOS around 50 years ago and their age-matched controls. *J Clin Endocrinol Metab*. 2011 Jul;96(7):2178-85. Available from: PubMed; PMID 21508129

Seale FGt, Robinson RD, Neal GS. Association of metformin and pregnancy in the polycystic ovary syndrome. A report of three cases. *J Reprod Med*. 2000 Jun;45(6):507-10. Available from: PubMed; PMID 10900588

Seow KM, Juan CC, Hsu YP, Ho LT, Wang YY, Hwang JL. Serum and follicular resistin levels in women with polycystic ovarian syndrome during IVF-stimulated cycles. *Hum Reprod*. 2005 Jan;20(1):117-21. Available from: PubMed; PMID 15513972

Seow KM, Juan CC, Ho LT, Hsu YP, Lin YH, Huang LW, Hwang JL. Adipocyte resistin mRNA levels are down-regulated by laparoscopic ovarian electrocautery in both obese and lean women with polycystic ovary syndrome. *Hum Reprod*. 2007 Apr;22(4):1100-6. Available from: PubMed; PMID 17208941

Seow KM, Juan CC, Hsu YP, Hwang JL, Huang LW, Ho LT. Amelioration of insulin resistance in women with PCOS via reduced insulin receptor substrate-1 Ser312 phosphorylation following laparoscopic ovarian electrocautery. *Hum Reprod*. 2007 Apr;22(4):1003-10. Available from: PubMed; PMID 17204522

Seow KM, Juan CC, Hwang JL, Ho LT. Laparoscopic surgery in polycystic ovary syndrome: reproductive and metabolic effects. *Semin Reprod Med*. 2008 Jan;26(1):101-10. Available from: PubMed; PMID 18181088

Shalom-Paz E, Almog B, Wisner A, Levin I, Reinblatt S, Das M, Son WY, Hananel H. Priming in vitro maturation cycles with gonadotropins: salvage treatment for nonresponding patients. *Fertil Steril*. 2011 Aug;96(2):340-3. Available from: PubMed; PMID 21718997

Shalom-Paz E, Marzal A, Wisner A, Almog B, Reinblatt S, Tulandi T, Holzer H. Effects of different body mass indices on in vitro maturation in women with polycystic ovaries. *Fertil Steril*. 2011 Aug;96(2):336-9. Available from: PubMed; PMID 21704986

Shannon M, Wang Y. Polycystic ovary syndrome: a common but often unrecognized condition. *J Midwifery Womens Health*. 2012 May-Jun;57(3):221-30. Available from: PubMed; PMID 22594862

Shayya R, Chang RJ. Reproductive endocrinology of adolescent polycystic ovary syndrome. *BJOG*. 2010

Jan;117(2):150-5. Available from: PubMed; PMID 20002395

Sheehan MT. Polycystic ovarian syndrome: diagnosis and management. *Clin Med Res*. 2004 Feb;2(1):13-27. Available from: PubMed; PMID 15931331

Shibahara H, Hirano Y, Kikuchi K, Suzuki T, Takamizawa S, Suzuki M. Postoperative endocrine alterations and clinical outcome of infertile women with polycystic ovary syndrome after transvaginal hydrolaparoscopic ovarian drilling. *Fertil Steril*. 2006 Jan;85(1):244-6. Available from: PubMed; PMID 16412768

Shibahara H, Kikuchi K, Hirano Y, Suzuki T, Takamizawa S, Suzuki M. Increase of multiple pregnancies caused by ovulation induction with gonadotropin in combination with metformin in infertile women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1487-90. Available from: PubMed; PMID 17254579

Shokeir T, El-Kannishy G. Rosiglitazone as treatment for clomiphene citrate-resistant polycystic ovary syndrome: factors associated with clinical response. *J Womens Health (Larchmt)*. 2008 Nov;17(9):1445-52. Available from: PubMed; PMID 18973428

Shokeir T. Laparoscopic ovarian diathermy after clomiphene failure in polycystic ovary syndrome: is it worthwhile? A randomized controlled trial. *Arch Gynecol Obstet*. 2011 Dec;284(6):1593. Available from: PubMed; PMID 21842175

Siebert TI, Kruger TF, Steyn DW, Nosarka S. Is the addition of metformin efficacious in the treatment of clomiphene citrate-resistant patients with polycystic ovary syndrome? A structured literature review. *Fertil Steril*. 2006 Nov;86(5):1432-7. Available from: PubMed; PMID 17007847

Siebert TI, Viola MI, Steyn DW, Kruger TF. Is metformin indicated as primary ovulation induction agent in women with PCOS? A systematic review and meta-analysis. *Gynecol Obstet Invest*. 2012;73(4):304-13. Available from: PubMed; PMID 22516925

Sikka P, Gainer S, Dhaliwal LK, Bagga R, Sialy R, Sahdev S. Ultrasonography of the ovaries and its correlation with clinical and endocrine parameters in infertile women with PCOS. *Int J Fertil Womens Med*. 2007 Jan-Feb;52(1):41-7. Available from: PubMed; PMID 17987887

Sills ES, Perloe M, Palermo GD. Correction of hyperinsulinemia in oligoovulatory women with clomiphene-resistant polycystic ovary syndrome: a review of therapeutic rationale and reproductive outcomes. *Eur J Obstet Gynecol Reprod Biol*. 2000 Aug;91(2):135-41. Available from: PubMed; PMID 10869785

Simoni M, Tempfer CB, Destenaves B, Fauser BC. Functional genetic polymorphisms and female reproductive

- disorders: Part I: Polycystic ovary syndrome and ovarian response. *Hum Reprod Update*. 2008 Sep-Oct;14(5):459-84. Available from: PubMed; PMID 18603647
- Sinawat S, Buppasiri P, Lumbiganon P, Pattanittum P. Long versus short course treatment with Metformin and Clomiphene Citrate for ovulation induction in women with PCOS. *Cochrane Database Syst Rev*. 2008 (1):CD006226. Available from: PubMed; PMID 18254096
- Sir-Petermann T, Devoto L, Maliqueo M, Peirano P, Recabarren SE, Wildt L. Resumption of ovarian function during lactational amenorrhoea in breastfeeding women with polycystic ovarian syndrome: endocrine aspects. *Hum Reprod*. 2001 Aug;16(8):1603-10. Available from: PubMed; PMID 11473950
- Sir-Petermann T, Codner E, Perez V, Echiburua B, Maliqueo M, Ladron de Guevara A, Preisler J, Crisosto N, Sanchez F, Cassorla F, Bhasin S. Metabolic and reproductive features before and during puberty in daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2009 Jun;94(6):1923-30. Available from: PubMed; PMID 19223518
- Skampardonis N, Kouskoukis A, Karpouzis A, Maroulis G. Marked hyperandrogenemia and acne associated with polycystic ovaries in Greek women with polycystic ovary syndrome. *Clin Exp Obstet Gynecol*. 2011;38(2):168-71. Available from: PubMed; PMID 21793282
- Skrtic A, Sokolic L, Borovecki A, Rosa J, Fenzl V. Immunohistochemical localization of CD31, NOTCH1 and JAGGED1 proteins in experimentally induced polycystic ovaries of immature rats. *Acta Histochem*. 2011 May;113(3):262-9. Available from: PubMed; PMID 19932502
- Smith CA, Carmady B. Acupuncture to treat common reproductive health complaints: An overview of the evidence. *Auton Neurosci*. 2010 Oct 28;157(1-2):52-6. Available from: PubMed; PMID 20483671
- Smith JW, Taylor JS. Polycystic ovary syndrome: evidence-based strategies for managing symptoms and preventing long-term sequelae. *Nurs Womens Health*. 2011 Oct-Nov;15(5):402-10; quiz 11. Available from: PubMed; PMID 22900653
- Soares GM, Vieira CS, de Paula Martins W, Dos Reis RM, de Sa MF, Ferriani RA. Metabolic and cardiovascular impact of oral contraceptives in polycystic ovary syndrome. *Int J Clin Pract*. 2009 Jan;63(1):160-9. Available from: PubMed; PMID 18795969
- Sohrabvand F, Ansari S, Bagheri M. Efficacy of combined metformin-letrozole in comparison with metformin-clomiphene citrate in clomiphene-resistant infertile women with polycystic ovarian disease. *Hum Reprod*. 2006 Jun;21(6):1432-5. Available from: PubMed; PMID 16478764
- Sokalska A, Piotrowski PC, Rzepczynska IJ, Cress A, Duleba AJ. Statins inhibit growth of human theca-interstitial cells in PCOS and non-PCOS tissues independently of cholesterol availability. *J Clin Endocrinol Metab*. 2010 Dec;95(12):5390-4. Available from: PubMed; PMID 20826585
- Solano ME, Sander VA, Ho H, Motta AB, Arck PC. Systemic inflammation, cellular influx and up-regulation of ovarian VCAM-1 expression in a mouse model of polycystic ovary syndrome (PCOS). *J Reprod Immunol*. 2011 Dec;92(1-2):33-44. Available from: PubMed; PMID 22018827
- Son WY, Yoon SH, Lee SW, Ko Y, Yoon HG, Lim JH. Blastocyst development and pregnancies after IVF of mature oocytes retrieved from unstimulated patients with PCOS after in-vivo HCG priming. *Hum Reprod*. 2002 Jan;17(1):134-6. Available from: PubMed; PMID 11756376
- Son WY, Yoon SH, Park SJ, Yoon HJ, Lee WD, Lim JH. Ongoing twin pregnancy after vitrification of blastocysts produced by in-vitro matured oocytes retrieved from a woman with polycystic ovary syndrome: Case report. *Hum Reprod*. 2002 Nov;17(11):2963-6. Available from: PubMed; PMID 12407057
- Son WY, Lee SY, Chang MJ, Yoon SH, Chian RC, Lim JH. Pregnancy resulting from transfer of repeat vitrified blastocysts produced by in-vitro matured oocytes in patient with polycystic ovary syndrome. *Reprod Biomed Online*. 2005 Mar;10(3):398-401. Available from: PubMed; PMID 15820051
- Son WY, Tan SL. Laboratory and embryological aspects of hCG-primed in vitro maturation cycles for patients with polycystic ovaries. *Hum Reprod Update*. 2010 Nov-Dec;16(6):675-89. Available from: PubMed; PMID 20504873
- Song JJ, Yan ME, Wu XK, Hou LH. Progress of integrative Chinese and Western medicine in treating polycystic ovarian syndrome caused infertility. *Chin J Integr Med*. 2006 Dec;12(4):312-6. Available from: PubMed; PMID 17361532
- Sotomayor-Zarate R, Tiszavari M, Cruz G, Lara HE. Neonatal exposure to single doses of estradiol or testosterone programs ovarian follicular development-modified hypothalamic neurotransmitters and causes polycystic ovary during adulthood in the rat. *Fertil Steril*. 2011 Dec;96(6):1490-6. Available from: PubMed; PMID 21982285
- Stadtmauer LA, Wong BC, Oehninger S. Should patients with polycystic ovary syndrome be treated with metformin? Benefits of insulin sensitizing drugs in polycystic ovary syndrome--beyond ovulation induction. *Hum Reprod*. 2002 Dec;17(12):3016-26. Available from: PubMed; PMID 12456596

- Stadtmauer L, Oehninger S. Management of infertility in women with polycystic ovary syndrome : a practical guide. *Treat Endocrinol.* 2005;4(5):279-92. Available from: PubMed; PMID 16185097
- Stadtmauer LA, Sarhan A, Duran EH, Beydoun H, Bocca S, Pultz B, Oehninger S. The impact of a gonadotropin-releasing hormone antagonist on gonadotropin ovulation induction cycles in women with polycystic ovary syndrome: a prospective randomized study. *Fertil Steril.* 2011 Jan;95(1):216-20. Available from: PubMed; PMID 20594551
- Stamets K, Taylor DS, Kunselman A, Demers LM, Pelkman CL, Legro RS. A randomized trial of the effects of two types of short-term hypocaloric diets on weight loss in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Mar;81(3):630-7. Available from: PubMed; PMID 15037413
- Stanek MB, Borman SM, Molskness TA, Larson JM, Stouffer RL, Patton PE. Insulin and insulin-like growth factor stimulation of vascular endothelial growth factor production by luteinized granulosa cells: comparison between polycystic ovarian syndrome (PCOS) and non-PCOS women. *J Clin Endocrinol Metab.* 2007 Jul;92(7):2726-33. Available from: PubMed; PMID 17488794
- Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology.* 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266
- Stegmann BJ, Craig HR, Bay RC, Coonrod DV, Brady MJ, Garbaciak JA, Jr. Characteristics predictive of response to ovarian diathermy in women with polycystic ovarian syndrome. *Am J Obstet Gynecol.* 2003 May;188(5):1171-3. Available from: PubMed; PMID 12748468
- Stener-Victorin E, Waldenstrom U, Tagnfors U, Lundeberg T, Lindstedt G, Janson PO. Effects of electro-acupuncture on anovulation in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2000 Mar;79(3):180-8. Available from: PubMed; PMID 10716298
- Stener-Victorin E, Lundeberg T, Cajander S, Aloe L, Manni L, Waldenstrom U, Janson PO. Steroid-induced polycystic ovaries in rats: effect of electro-acupuncture on concentrations of endothelin-1 and nerve growth factor (NGF), and expression of NGF mRNA in the ovaries, the adrenal glands, and the central nervous system. *Reprod Biol Endocrinol.* 2003 Apr 8;1:33. Available from: PubMed; PMID 12725645
- Stener-Victorin E, Jedel E, Janson PO, Sverrisdottir YB. Low-frequency electroacupuncture and physical exercise decrease high muscle sympathetic nerve activity in polycystic ovary syndrome. *Am J Physiol Regul Integr*
- Comp Physiol.* 2009 Aug;297(2):R387-95. Available from: PubMed; PMID 19494176
- Stone JA, Yoder KK, Case EA. Delivery of a full-term pregnancy after TCM treatment in a previously infertile patient diagnosed with polycystic ovary syndrome. *Altern Ther Health Med.* 2009 Jan-Feb;15(1):50-2. Available from: PubMed; PMID 19161048
- Sturrock ND, Lannon B, Fay TN. Metformin does not enhance ovulation induction in clomiphene resistant polycystic ovary syndrome in clinical practice. *Br J Clin Pharmacol.* 2002 May;53(5):469-73. Available from: PubMed; PMID 11994052
- Su HY, Ding DC, Chen DC, Hwang KS, Ko CS. Laparoscopic ovarian drilling with diathermy in the treatment of infertile women with polycystic ovaries. *J Chin Med Assoc.* 2003 Aug;66(8):492-6. Available from: PubMed; PMID 14604314
- Sugaya S, Honma R. A case of polycystic ovary syndrome conceived by intracytoplasmic sperm injection following laparoscopic ovarian drilling. *Clin Exp Obstet Gynecol.* 2012;39(2):236-8. Available from: PubMed; PMID 22905473
- Sukcharoen N. Management of anovulatory infertility associated with polycystic ovary syndrome (PCOS). *J Med Assoc Thai.* 2004 Oct;87 Suppl 3:S182-8. Available from: PubMed; PMID 21213521
- Sultana A, Nadir S. Pituitary gonadotropic hormones in women with oligo/amenorrhoea. *J Ayub Med Coll Abbottabad.* 2008 Jul-Sep;20(3):62-5. Available from: PubMed; PMID 19610519
- Swanton A, Storey L, McVeigh E, Child T. IVF outcome in women with PCOS, PCO and normal ovarian morphology. *Eur J Obstet Gynecol Reprod Biol.* 2010 Mar;149(1):68-71. Available from: PubMed; PMID 20022685
- Takeuchi S, Futamura N, Takubo S, Noda N, Minoura H, Toyoda N. Polycystic ovary syndrome treated with laparoscopic ovarian drilling with a harmonic scalpel. A prospective, randomized study. *J Reprod Med.* 2002 Oct;47(10):816-20. Available from: PubMed; PMID 12418063
- Tan WC, Yap C, Tan AS. Clinical management of PCOS. *Acta Obstet Gynecol Scand.* 2001 Aug;80(8):689-96. Available from: PubMed; PMID 11531609
- Tang T, Balen AH. A woman with polycystic ovary syndrome treated for infertility by in vitro fertilization. *Nat Rev Endocrinol.* 2009 Aug;5(8):462-5. Available from: PubMed; PMID 19629068
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility.

- Cochrane Database Syst Rev. 2009 (4):CD003053. Available from: PubMed; PMID 19821299
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. WITHDRAWN: Insulin-sensitising drugs for polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2009 (3):CD003053. Available from: PubMed; PMID 19588338
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev.* 2010 (1):CD003053. Available from: PubMed; PMID 20091537
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev.* 2012;5:CD003053. Available from: PubMed; PMID 22592687
- Tang XH, Cao YL, Yang ZX, Zhao FX. Reproductive traits of polycystic ovary syndrome in female rhesus monkeys. *Dongwuxue Yanjiu.* 2012 Feb;33(1):37-42. Available from: PubMed; PMID 22345006
- Tartagni M, Damiani GR, Di Naro E, Persiani P, Crescini C, Loverro G. Pregnancy in a woman with premature ovarian insufficiency undergoing intracytoplasmic sperm injection after pretreatment with estrogens followed by therapy with estrogens associated with ovarian stimulation with gonadotropins: remarks about oocyte and embryo quality. *Menopause.* 2011 Aug;18(8):932-4. Available from: PubMed; PMID 21552164
- Teede H, Deeks A, Moran L. Polycystic ovary syndrome: a complex condition with psychological, reproductive and metabolic manifestations that impacts on health across the lifespan. *BMC Med.* 2010;8:41. Available from: PubMed; PMID 20591140
- Tehranejad ES, Nasiri R, Rashidi B, Haghollahi F, Ataie M. Comparison of GnRH antagonist with long GnRH agonist protocol after OCP pretreatment in PCOs patients. *Arch Gynecol Obstet.* 2010 Sep;282(3):319-25. Available from: PubMed; PMID 20379731
- Teissier MP, Chable H, Paulhac S, Aubard Y. Comparison of follicle steroidogenesis from normal and polycystic ovaries in women undergoing IVF: relationship between steroid concentrations, follicle size, oocyte quality and fecundability. *Hum Reprod.* 2000 Dec;15(12):2471-7. Available from: PubMed; PMID 11098013
- Thatcher SS, Jackson EM. Pregnancy outcome in infertile patients with polycystic ovary syndrome who were treated with metformin. *Fertil Steril.* 2006 Apr;85(4):1002-9. Available from: PubMed; PMID 16580387
- Thomson RL, Buckley JD, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. The effect of a hypocaloric diet with and without exercise training on body composition, cardiometabolic risk profile, and reproductive function in overweight and obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3373-80. Available from: PubMed; PMID 18583464
- Thomson RL, Buckley JD, Moran LJ, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. The effect of weight loss on anti-Mullerian hormone levels in overweight and obese women with polycystic ovary syndrome and reproductive impairment. *Hum Reprod.* 2009 Aug;24(8):1976-81. Available from: PubMed; PMID 19380385
- Timmerman-van Kessel EC, Cikot RJ, Dargel-Donkers EJ, Zwertbroek W, van Dop PA, Schoot DC. A randomized controlled study comparing the endocrine effects of pulsatile intravenous gonadotropin-releasing hormone after gonadotropin-releasing hormone agonist pretreatment versus clomiphene citrate in patients with polycystic ovary syndrome. *Fertil Steril.* 2000 Jun;73(6):1145-8. Available from: PubMed; PMID 10856472
- Topcu S, Tok D, Caliskan M, Ozcimen EE, Gullu H, Uckuyu A, Erdogan D, Zeyneloglu H, Muderrisoglu H. Metformin therapy improves coronary microvascular function in patients with polycystic ovary syndrome and insulin resistance. *Clin Endocrinol (Oxf).* 2006 Jul;65(1):75-80. Available from: PubMed; PMID 16817823
- Tozer AJ, Al-Shawaf T, Zosmer A, Hussain S, Wilson C, Lower AM, Grudzinskas JG. Does laparoscopic ovarian diathermy affect the outcome of IVF-embryo transfer in women with polycystic ovarian syndrome? A retrospective comparative study. *Hum Reprod.* 2001 Jan;16(1):91-5. Available from: PubMed; PMID 11139543
- Tugrul S, Oral O, Guclu M, Kutlu T, Uslu H, Pekin O. Significance of Doppler ultrasonography in the diagnosis of polycystic ovary syndrome. *Clin Exp Obstet Gynecol.* 2006;33(3):154-8. Available from: PubMed; PMID 17089579
- Tulandi T, Saleh A, Morris D, Jacobs HS, Payne NN, Tan SL. Effects of laparoscopic ovarian drilling on serum vascular endothelial growth factor and on insulin responses to the oral glucose tolerance test in women with polycystic ovary syndrome. *Fertil Steril.* 2000 Sep;74(3):585-8. Available from: PubMed; PMID 10973659
- Turkmen S, Backstrom T, Idil M. Reduction of dehydroepiandrosterone sulfate synthesis in women with polycystic ovary syndrome by human menopausal gonadotropin but not purified urinary follicle stimulating hormone: a comparative pilot study. *Gynecol Endocrinol.* 2004 Aug;19(2):69-78. Available from: PubMed; PMID 15624268
- Turner MJ, Langan H, Farah N, Byrne K, Cleary B. Metformin: an advance in ovulation induction. *Ir Med J.* 2005 May;98(5):133-4. Available from: PubMed; PMID 16010777

- Uncu G, Sozer MC, Develioglu O, Cengiz C. The role of plasma renin activity in distinguishing patients with polycystic ovary syndrome (PCOS) from oligomenorrheic patients without PCOS. *Gynecol Endocrinol.* 2002 Dec;16(6):447-52. Available from: PubMed; PMID 12626031
- Unfer V, Carlomagno G, Dante G, Facchinetti F. Effects of myo-inositol in women with PCOS: a systematic review of randomized controlled trials. *Gynecol Endocrinol.* 2012 Jul;28(7):509-15. Available from: PubMed; PMID 22296306
- Urman B, Tiras B, Yakin K. Assisted reproduction in the treatment of polycystic ovarian syndrome. *Reprod Biomed Online.* 2004 Apr;8(4):419-30. Available from: PubMed; PMID 15149566
- Usadi RS, Legro RS. Reproductive impact of polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes.* 2012 Dec;19(6):505-11. Available from: PubMed; PMID 23108198
- Ushiroyama T, Ikeda A, Sakai M, Hosotani T, Suzuki Y, Tsubokura S, Ueki M. Effects of unkei-to, an herbal medicine, on endocrine function and ovulation in women with high basal levels of luteinizing hormone secretion. *J Reprod Med.* 2001 May;46(5):451-6. Available from: PubMed; PMID 11396371
- van der Spuy ZM, Dyer SJ. The pathogenesis of infertility and early pregnancy loss in polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol.* 2004 Oct;18(5):755-71. Available from: PubMed; PMID 15380145
- van Hooff MH, Voorhorst FJ, Kaptein MB, Hirasig RA, Koppelaar C, Schoemaker J. Predictive value of menstrual cycle pattern, body mass index, hormone levels and polycystic ovaries at age 15 years for oligo-amenorrhoea at age 18 years. *Hum Reprod.* 2004 Feb;19(2):383-92. Available from: PubMed; PMID 14747186
- van Houten EL, Kramer P, McLuskey A, Karels B, Themmen AP, Visser JA. Reproductive and metabolic phenotype of a mouse model of PCOS. *Endocrinology.* 2012 Jun;153(6):2861-9. Available from: PubMed; PMID 22334715
- van Santbrink EJ, Fauser BC. Ovulation induction in normogonadotropic anovulation (PCOS). *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):261-70. Available from: PubMed; PMID 16772156
- van Wely M, Bayram N, van der Veen F. Recombinant FSH in alternative doses or versus urinary gonadotrophins for ovulation induction in subfertility associated with polycystic ovary syndrome: a systematic review based on a Cochrane review. *Hum Reprod.* 2003 Jun;18(6):1143-9. Available from: PubMed; PMID 12773438
- van Wely M, Bayram N, van der Veen F, Bossuyt PM. Predicting ongoing pregnancy following ovulation induction with recombinant FSH in women with polycystic ovary syndrome. *Hum Reprod.* 2005 Jul;20(7):1827-32. Available from: PubMed; PMID 15831514
- van Wely M, Bayram N, van der Veen F, Bossuyt PM. Predictors for treatment failure after laparoscopic electrocautery of the ovaries in women with clomiphene citrate resistant polycystic ovary syndrome. *Hum Reprod.* 2005 Apr;20(4):900-5. Available from: PubMed; PMID 15640254
- van Wely M, Fauser BC, Laven JS, Eijkemans MJ, van der Veen F. Validation of a prediction model for the follicle-stimulating hormone response dose in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Dec;86(6):1710-5. Available from: PubMed; PMID 17022982
- Vandermolen DT, Ratts VS, Evans WS, Stovall DW, Kauma SW, Nestler JE. Metformin increases the ovulatory rate and pregnancy rate from clomiphene citrate in patients with polycystic ovary syndrome who are resistant to clomiphene citrate alone. *Fertil Steril.* 2001 Feb;75(2):310-5. Available from: PubMed; PMID 11172832
- Vanky E, Hjorth-Hansen H, Carlsen SM. Metformin and early pregnancy? *Fertil Steril.* 2006 Nov;86(5):1551-2; author reply 2-3. Available from: PubMed; PMID 16926000
- Vanwinter JT. Do changes associated with polycystic ovary syndrome begin before menarche? *J Pediatr Adolesc Gynecol.* 2006 Jun;19(3):215-7. Available from: PubMed; PMID 16731417
- Vause TD, Cheung AP, Sierra S, Claman P, Graham J, Guillemain JA, Lapensee L, Stewart S, Wong BC. Ovulation induction in polycystic ovary syndrome: No. 242, May 2010. *Int J Gynaecol Obstet.* 2010 Oct;111(1):95-100. Available from: PubMed; PMID 20848729
- Vause TD, Cheung AP, Sierra S, Claman P, Graham J, Guillemain JA, Lapensee L, Stewart S, Wong BC. Ovulation induction in polycystic ovary syndrome. *J Obstet Gynaecol Can.* 2010 May;32(5):495-502. Available from: PubMed; PMID 20500959
- Velazquez MA, Hadelor KG, Herrmann D, Kues WA, Ulbrich SE, Meyer HH, Remy B, Beckers JF, Sauerwein H, Niemann H. In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. *Reproduction.* 2011 Jul;142(1):41-52. Available from: PubMed; PMID 21543511
- Verit FF, Erel O, Kocyigit A. Association of increased total antioxidant capacity and anovulation in nonobese infertile patients with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril.* 2007 Aug;88(2):418-24. Available from: PubMed; PMID 17303132

- Verit FF. The prevalence of metabolic syndrome in clomiphene citrate resistant polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 May;28(5):365-9. Available from: PubMed; PMID 22409701
- Vicino M, Loverro G, Bettocchi S, Simonetti S, Mei L, Selvaggi L. Predictive value of serum androstenedione basal levels on the choice of gonadotropin or laparoscopic ovarian electrocautery as ovulation induction in clomiphene citrate-resistant patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2000 Feb;14(1):42-9. Available from: PubMed; PMID 10813106
- Vizer M, Kiesel L, Szabo I, Arany A, Tamas P, Szilagyi A. Assessment of three-dimensional sonographic features of polycystic ovaries after laparoscopic ovarian electrocautery. *Fertil Steril*. 2007 Oct;88(4):894-9. Available from: PubMed; PMID 17561004
- Vlaisavljevic V, Cizek-Sajko M, Kovac V. Multinucleation and cleavage of embryos derived from in vitro-matured oocytes. *Fertil Steril*. 2006 Aug;86(2):487-9. Available from: PubMed; PMID 16769057
- Vlaisavljevic V, Kovac V, Sajko MC. Impact of insulin resistance on the developmental potential of immature oocytes retrieved from human chorionic gonadotropin-primed women with polycystic ovary syndrome undergoing in vitro maturation. *Fertil Steril*. 2009 Mar;91(3):957-9. Available from: PubMed; PMID 18321495
- Vrtacnik-Bokal E, Meden-Vrtovec H, Verdenik I. Uterine arterial blood flow and the substances of ovarian renin-angiotensin system in women with polycystic ovaries undergoing in vitro fertilization. *Eur J Obstet Gynecol Reprod Biol*. 2006 Jan 1;124(1):77-81. Available from: PubMed; PMID 16183189
- Vrtacnik-Bokal E, Virant Klun I, Verdenik I. Follicular oestradiol and VEGF after GnRH antagonists or GnRH agonists in women with PCOS. *Reprod Biomed Online*. 2009 Jan;18(1):21-8. Available from: PubMed; PMID 19146765
- Vulpoi C, Lecomte C, Guilloteau D, Lecomte P. Ageing and reproduction: is polycystic ovary syndrome an exception? *Ann Endocrinol (Paris)*. 2007 Feb;68(1):45-50. Available from: PubMed; PMID 17316546
- Vutyavanich T, Khaniyao V, Wongtra-Ngan S, Sreshthaputra O, Sreshthaputra R, Piromlertamorn W. Clinical, endocrine and ultrasonographic features of polycystic ovary syndrome in Thai women. *J Obstet Gynaecol Res*. 2007 Oct;33(5):677-80. Available from: PubMed; PMID 17845329
- Wakley G, Fuller J, Qureshi B. A Muslim woman with infertility. *Practitioner*. 2000 Dec;244(1617):1005-8, 13-4. Available from: PubMed; PMID 11220168
- Wallace KL, Johnson V, Sopolak V, Hines R. Clomiphene citrate versus letrozole: molecular analysis of the endometrium in women with polycystic ovary syndrome. *Fertil Steril*. 2011 Oct;96(4):1051-6. Available from: PubMed; PMID 21851939
- Wang JX, Davies MJ, Norman RJ. Polycystic ovarian syndrome and the risk of spontaneous abortion following assisted reproductive technology treatment. *Hum Reprod*. 2001 Dec;16(12):2606-9. Available from: PubMed; PMID 11726582
- Wang JG, Lobo RA. The complex relationship between hypothalamic amenorrhea and polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Apr;93(4):1394-7. Available from: PubMed; PMID 18230664
- Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):311-30. Available from: PubMed; PMID 16772160
- Weerakiet S, Tingthanatikul Y, Sophonsritsuk A, Choktanasiri W, Wansumrith S, Rojanasakul A. Efficacy of metformin on ovulation induction in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Oct;19(4):202-7. Available from: PubMed; PMID 15724803
- Weerakiet S, Lertvikool S, Tingthanatikul Y, Wansumrith S, Leelaphiwat S, Jultanas R. Ovarian reserve in women with polycystic ovary syndrome who underwent laparoscopic ovarian drilling. *Gynecol Endocrinol*. 2007;23(8):455-60. Available from: PubMed; PMID 17852413
- Weerakiet S, Sophonsritsuk A, Lertvikool S, Satirapote C, Leelaphiwat S, Jultanas R. Randomized controlled trial of different doses of metformin for ovulation induction in infertile women with polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2011 Sep;37(9):1229-37. Available from: PubMed; PMID 21518135
- Wei Z, Cao Y, Cong L, Zhou P, Zhang Z, Li J. Effect of metformin pretreatment on pregnancy outcome of in vitro matured oocytes retrieved from women with polycystic ovary syndrome. *Fertil Steril*. 2008 Oct;90(4):1149-54. Available from: PubMed; PMID 18022165
- Welt CK, Arason G, Gudmundsson JA, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Defining constant versus variable phenotypic features of women with polycystic ovary syndrome using different ethnic groups and populations. *J Clin Endocrinol Metab*. 2006 Nov;91(11):4361-8. Available from: PubMed; PMID 16940441
- Westerveld HE, Hoogendoorn M, de Jong AW, Goverde AJ, Fauser BC, Dallinga-Thie GM. Cardiometabolic abnormalities in the polycystic ovary syndrome: pharmacotherapeutic insights. *Pharmacol Ther*. 2008 Sep;119(3):223-41. Available from: PubMed; PMID 18602948

- Whitaker KN. Polycystic ovary syndrome: an overview. *J Pharm Pract.* 2011 Feb;24(1):94-101. Available from: PubMed; PMID 21650066
- Wiksten-Almstromer M, Hirschberg AL, Hagenfeldt K. Prospective follow-up of menstrual disorders in adolescence and prognostic factors. *Acta Obstet Gynecol Scand.* 2008;87(11):1162-8. Available from: PubMed; PMID 18956264
- Willenberg HS, Bahlo M, Schott M. Polycystic ovary syndrome and infertility. *JAMA.* 2007 Jun 20;297(23):2582-3; author reply 3. Available from: PubMed; PMID 17579224
- Wilson JF. In the clinic. The polycystic ovary syndrome. *Ann Intern Med.* 2011 Feb 1;154(3):ITC2--ITC-15; quiz ITC2-6. Available from: PubMed; PMID 21282692
- Wiser A, Shalom-Paz E, Reinblatt SL, Holzer H, Tulandi T. Controlled ovarian hyperstimulation in women with polycystic ovarian syndrome with or without intrauterine insemination. *Gynecol Endocrinol.* 2012 Jul;28(7):502-4. Available from: PubMed; PMID 22122754
- Wisniewski M, Petersen M. Is metformin beneficial for the treatment of infertility in women with PCOS? *JAAPA.* 2009 Apr;22(4):49-50. Available from: PubMed; PMID 19452822
- Wu X, Sallinen K, Zhou S, Su Y, Pollanen P, Erkkola R. Androgen excess contributes to altered growth hormone/insulin-like growth factor-1 axis in nonobese women with polycystic ovary syndrome. *Fertil Steril.* 2000 Apr;73(4):730-4. Available from: PubMed; PMID 10731533
- Xi W, Gong F, Lu G. Correlation of serum Anti-Mullerian hormone concentrations on day 3 of the in vitro fertilization stimulation cycle with assisted reproduction outcome in polycystic ovary syndrome patients. *J Assist Reprod Genet.* 2012 May;29(5):397-402. Available from: PubMed; PMID 22382641
- Xiong YL, Liang XY, Yang X, Li Y, Wei LN. Low-grade chronic inflammation in the peripheral blood and ovaries of women with polycystic ovarian syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):148-50. Available from: PubMed; PMID 21908093
- Xu X, Shi Y, Cui Y, Ma J, Che L, Chen ZJ. Endocrine and metabolic characteristics of polycystic ovary syndrome in Chinese women with different phenotypes. *Clin Endocrinol (Oxf).* 2012 Mar;76(3):425-30. Available from: PubMed; PMID 21815904
- Yarali H, Zeyneloglu HB. Gonadotrophin treatment in patients with polycystic ovary syndrome. *Reprod Biomed Online.* 2004 May;8(5):528-37. Available from: PubMed; PMID 15151714
- Yildirim M, Noyan V, Bulent Tiras M, Yildiz A, Guner H. Ovarian wedge resection by minilaparotomy in infertile patients with polycystic ovarian syndrome: a new technique. *Eur J Obstet Gynecol Reprod Biol.* 2003 Mar 26;107(1):85-7. Available from: PubMed; PMID 12593902
- Yildiz BO, Chang W, Azziz R. Polycystic ovary syndrome and ovulation induction. *Minerva Ginecol.* 2003 Oct;55(5):425-39. Available from: PubMed; PMID 14581885
- Yildizhan R, Adali E, Kolusari A, Kurdoglu M, Yildizhan B, Sahin HG, Kamaci M. Ovarian stimulation in obese and non-obese polycystic ovary syndrome using a low-dose step-up regimen with two different starting doses of recombinant follicle-stimulating hormone. *J Int Med Res.* 2008 Nov-Dec;36(6):197-204. Available from: PubMed; PMID 19094427
- Yilmaz N, Pektas M, Tonguc E, Kilic S, Gulerman C, Gungor T, Mollamahmutoglu L. The correlation of plasma homocysteine with insulin resistance in polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2008 Jun;34(3):384-91. Available from: PubMed; PMID 18686355
- Yilmaz M, Isaoglu U, Delibas IB, Kadanali S. Anthropometric, clinical and laboratory comparison of four phenotypes of polycystic ovary syndrome based on Rotterdam criteria. *J Obstet Gynaecol Res.* 2011 Aug;37(8):1020-6. Available from: PubMed; PMID 21481088
- Yilmaz N, Uygur D, Dogan M, Ozgu E, Salman B, Mollamahmutoglu L. The effect of follicular antimullerian hormone levels of non-obese, non-hyperandrogenemic polycystic ovary syndrome patients on assisted reproduction outcome. *Gynecol Endocrinol.* 2012 Mar;28(3):162-5. Available from: PubMed; PMID 22103791
- Younis JS, Jadaon JE, Haddad S, Izhaki I, Ben-Ami M. Prospective evaluation of basal stromal Doppler studies in women with good ovarian reserve and infertility undergoing in vitro fertilization-embryo transfer treatment: patients with polycystic ovary syndrome versus ovulatory patients. *Fertil Steril.* 2011 Apr;95(5):1754-8. Available from: PubMed; PMID 21300343
- Yu Ng EH, Ho PC. Polycystic ovary syndrome in asian women. *Semin Reprod Med.* 2008 Jan;26(1):14-21. Available from: PubMed; PMID 18181078
- Zafar S. Role of metformin in correcting hyperinsulinemia, menstrual irregularity and anovulation in polycystic ovary syndrome. *J Ayub Med Coll Abbottabad.* 2005 Oct-Dec;17(4):54-6. Available from: PubMed; PMID 16599037
- Zain MM, Jamaluddin R, Ibrahim A, Norman RJ. Comparison of clomiphene citrate, metformin, or the combination of both for first-line ovulation induction, achievement of pregnancy, and live birth in Asian women with polycystic ovary syndrome: a randomized controlled

trial. *Fertil Steril*. 2009 Feb;91(2):514-21. Available from: PubMed; PMID 18321486

Zakherah MS, Kamal MM, Hamed HO. Laparoscopic ovarian drilling in polycystic ovary syndrome: efficacy of adjusted thermal dose based on ovarian volume. *Fertil Steril*. 2011 Mar 1;95(3):1115-8. Available from: PubMed; PMID 21075366

Zangeneh FZ, Abdollahi A, Tavassoli P, Naghizadeh MM. The effect of cold stress on polycystic ovary syndrome in rat: before and during modeling. *Arch Gynecol Obstet*. 2011 Sep;284(3):651-7. Available from: PubMed; PMID 20949356

Zeinalzadeh M, Basirat Z, Esmailpour M. Efficacy of letrozole in ovulation induction compared to that of clomiphene citrate in patients with polycystic ovarian syndrome. *J Reprod Med*. 2010 Jan-Feb;55(1-2):36-40. Available from: PubMed; PMID 20337206

Zhai J, Liu CX, Tian ZR, Jiang QH, Sun YP. Effects of metformin on the expression of GLUT4 in endometrium of obese women with polycystic ovary syndrome. *Biol Reprod*. 2012 Aug;87(2):29. Available from: PubMed; PMID 22572996

Zhang H, Legro RS, Zhang J, Zhang L, Chen X, Huang H, Casson PR, Schlaff WD, Diamond MP, Krawetz SA, Coutifaris C, Brzyski RG, Christman GM, Santoro N, Eisenberg E. Decision trees for identifying predictors of treatment effectiveness in clinical trials and its application to ovulation in a study of women with polycystic ovary syndrome. *Hum Reprod*. 2010 Oct;25(10):2612-21. Available from: PubMed; PMID 20716558

Zhang J, Li T, Zhou L, Tang L, Xu L, Wu T, Lim DC. Chinese herbal medicine for subfertile women with polycystic ovarian syndrome. *Cochrane Database Syst Rev*. 2010 (9):CD007535. Available from: PubMed; PMID 20824862

Zhang Z, Gong F, Lu GX. Plasma level of calcitonin gene-related peptide in patients with polycystic ovary syndrome and its relationship to hormonal and metabolic parameters. *Peptides*. 2012 Apr;34(2):343-8. Available from: PubMed; PMID 22314079

Zhao JZ, Zhou W, Zhang W, Ge HS, Huang XF, Lin JJ. In vitro maturation and fertilization of oocytes from unstimulated ovaries in infertile women with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):2568-71. Available from: PubMed; PMID 18579137

Zhao JZ, Lin JJ, Yang HY, Zhang W, Huang XF, Huang YP. Effects of oral contraceptives and metformin on the outcome of in vitro maturation in infertile women with polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2010 Feb;19(2):261-5. Available from: PubMed; PMID 20113146

Zhong G, Chen B. Serum and follicular fluid levels of IGF-II, IGF-binding protein-4 and pregnancy-associated plasma protein-A in controlled ovarian hyperstimulation cycle between polycystic ovarian syndrome (PCOS) and non-PCOS women. *Gynecol Endocrinol*. 2011 Feb;27(2):86-90. Available from: PubMed; PMID 20528206

Zhu WJ, Li XM, Chen XM, Zhang L. Follicular aspiration during the selection phase prevents severe ovarian hyperstimulation in patients with polycystic ovary syndrome who are undergoing in vitro fertilization. *Eur J Obstet Gynecol Reprod Biol*. 2005 Sep 1;122(1):79-84. Available from: PubMed; PMID 16154042

Zhu W, Li X, Chen X, Lin Z, Zhang L. Ovarian interstitial YAG-laser: an effective new method to manage anovulation in women with polycystic ovary syndrome. *Am J Obstet Gynecol*. 2006 Aug;195(2):458-63. Available from: PubMed; PMID 16890553

Zhu WJ, Li XM, Chen XM, Lin Z, Zhang L. Transvaginal, ultrasound-guided, ovarian, interstitial laser treatment in anovulatory women with clomifene-citrate-resistant polycystic ovary syndrome. *BJOG*. 2006 Jul;113(7):810-6. Available from: PubMed; PMID 16827765

Zhu W, Fu Z, Chen X, Li X, Tang Z, Zhou Y, Geng Q. Transvaginal ultrasound-guided ovarian interstitial laser treatment in anovulatory women with polycystic ovary syndrome: a randomized clinical trial on the effect of laser dose used on the outcome. *Fertil Steril*. 2010 Jun;94(1):268-75. Available from: PubMed; PMID 19409546

Zhu W, Chen M, Fu Z, Li X, Qin C, Tang X, Chen X. Repeat transvaginal ultrasound-guided ovarian interstitial laser treatment improved the anovulatory status in women with polycystic ovarian syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2012 May;162(1):50-4. Available from: PubMed; PMID 22397748

## Pregnancy Outcomes

Insulin-sensitizing drugs for polycystic ovary syndrome. *Med Lett Drugs Ther*. 2003 Apr 28;45(1155):35-6. Available from: PubMed; PMID 12719696

ACOG Committee Opinion No. 351, November 2006: The overweight adolescent: prevention, treatment, and obstetric-gynecologic implications. *Obstet Gynecol*. 2006 Nov;108(5):1337-48. Available from: PubMed; PMID 17077269

Consensus on infertility treatment related to polycystic ovary syndrome. *Hum Reprod*. 2008 Mar;23(3):462-77. Available from: PubMed; PMID 18308833



Consensus on infertility treatment related to polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):505-22. Available from: PubMed; PMID 18243179

Polycystic ovary syndrome. *J Midwifery Womens Health.* 2010 Sep-Oct;55(5):477-8. Available from: PubMed; PMID 20732670

Retraction: Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res.* 2010 Feb;36(1):218. Available from: PubMed; PMID 20178557

Abbott DH, Dumesic DA, Franks S. Developmental origin of polycystic ovary syndrome - a hypothesis. *J Endocrinol.* 2002 Jul;174(1):1-5. Available from: PubMed; PMID 12098657

Abbott DH, Barnett DK, Levine JE, Padmanabhan V, Dumesic DA, Jacoris S, Tarantal AF. Endocrine antecedents of polycystic ovary syndrome in fetal and infant prenatally androgenized female rhesus monkeys. *Biol Reprod.* 2008 Jul;79(1):154-63. Available from: PubMed; PMID 18385445

Abbott DH, Zhou R, Bird IM, Dumesic DA, Conley AJ. Fetal programming of adrenal androgen excess: lessons from a nonhuman primate model of polycystic ovary syndrome. *Endocr Dev.* 2008;13:145-58. Available from: PubMed; PMID 18493139

Abbott DH, Tarantal AF, Dumesic DA. Fetal, infant, adolescent and adult phenotypes of polycystic ovary syndrome in prenatally androgenized female rhesus monkeys. *Am J Primatol.* 2009 Sep;71(9):776-84. Available from: PubMed; PMID 19367587

Abbott DH, Bruns CR, Barnett DK, Dunaif A, Goodfriend TL, Dumesic DA, Tarantal AF. Experimentally induced gestational androgen excess disrupts glucoregulation in rhesus monkey dams and their female offspring. *Am J Physiol Endocrinol Metab.* 2010 Nov;299(5):E741-51. Available from: PubMed; PMID 20682841

Abdel-Gadir A, Oyawoye OO, Chander BP. Coexistence of polycystic ovaries and uterine fibroids and their combined effect on the uterine artery blood flow in relation to age and parity. *J Reprod Med.* 2009 Jun;54(6):347-52. Available from: PubMed; PMID 19639923

Abdellah MS. Reproductive outcome after letrozole versus laparoscopic ovarian drilling for clomiphene-resistant polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2011 Jun;113(3):218-21. Available from: PubMed; PMID 21457973

Abdul Salam MN, Hasanain FH, Greiew BK. Hope for clomiphene citrate resistant ovaries. *Saudi Med J.* 2001 Jun;22(6):508-11. Available from: PubMed; PMID 11426241

Aboulghar M, Saber W, Amin Y, Aboulghar M, Mansour R, Serour G. Prospective, randomized study comparing highly purified urinary follicle-stimulating hormone (FSH) and recombinant FSH for in vitro fertilization/intracytoplasmic sperm injection in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Nov;94(6):2332-4. Available from: PubMed; PMID 20188364

Abu Hashim H, Anwar K, El-Fatah RA. N-acetyl cysteine plus clomiphene citrate versus metformin and clomiphene citrate in treatment of clomiphene-resistant polycystic ovary syndrome: a randomized controlled trial. *J Womens Health (Larchmt).* 2010 Nov;19(11):2043-8. Available from: PubMed; PMID 20939675

Abu Hashim H, Mashaly AM, Badawy A. Letrozole versus laparoscopic ovarian diathermy for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a randomized controlled trial. *Arch Gynecol Obstet.* 2010 Nov;282(5):567-71. Available from: PubMed; PMID 20577748

Abu Hashim H, Shokeir T, Badawy A. Letrozole versus combined metformin and clomiphene citrate for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril.* 2010 Sep;94(4):1405-9. Available from: PubMed; PMID 19732888

Abu Hashim H, El Lakany N, Sherief L. Combined metformin and clomiphene citrate versus laparoscopic ovarian diathermy for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a randomized controlled trial. *J Obstet Gynaecol Res.* 2011 Mar;37(3):169-77. Available from: PubMed; PMID 21114583

Abu Hashim H, El-Shafei M, Badawy A, Wafa A, Zaglol H. Does laparoscopic ovarian diathermy change clomiphene-resistant PCOS into clomiphene-sensitive? *Arch Gynecol Obstet.* 2011 Aug;284(2):503-7. Available from: PubMed; PMID 21594601

Abu Hashim H, Foda O, Ghayaty E, Elawa A. Laparoscopic ovarian diathermy after clomiphene failure in polycystic ovary syndrome: is it worthwhile? A randomized controlled trial. *Arch Gynecol Obstet.* 2011 Nov;284(5):1303-9. Available from: PubMed; PMID 21755338

Abu Hashim H, Ombar O, Abd Elaali I. Intrauterine insemination versus timed intercourse with clomiphene citrate in polycystic ovary syndrome: a randomized controlled trial. *Acta Obstet Gynecol Scand.* 2011 Apr;90(4):344-50. Available from: PubMed; PMID 21306326

Abu Hashim H, Wafa A, El Rakhawy M. Combined metformin and clomiphene citrate versus highly purified FSH for ovulation induction in clomiphene-resistant PCOS women: a randomised controlled trial. *Gynecol Endocrinol.*

2011 Mar;27(3):190-6. Available from: PubMed; PMID 20568955

Abu Hashim H, Bazeed M, Abd Elaali I. Minimal stimulation or clomiphene citrate as first-line therapy in women with polycystic ovary syndrome: a randomized controlled trial. *Gynecol Endocrinol.* 2012 Feb;28(2):87-90. Available from: PubMed; PMID 21770837

Ackerman CM, Lowe LP, Lee H, Chen F, Hughes E, Cholod P, Dyer AR, Hayes MG, Metzger BE, Lowe WL, Urbanek M. The role of the polycystic ovary syndrome susceptibility locus D19S884 allele 8 in maternal glycemia and fetal size. *J Clin Endocrinol Metab.* 2010 Jul;95(7):3242-50. Available from: PubMed; PMID 20444918

Agdi M, Zarei A, Al-Sannan B, Tulandi T, Tan SL. Effects of ovarian puncture for in vitro maturation on subsequent in vitro fertilization cycle in women with polycystic ovaries. *Fertil Steril.* 2010 Jun;94(1):381-3. Available from: PubMed; PMID 20004390

Ahmed MI, Duleba AJ, El Shahat O, Ibrahim ME, Salem A. Naltrexone treatment in clomiphene resistant women with polycystic ovary syndrome. *Hum Reprod.* 2008 Nov;23(11):2564-9. Available from: PubMed; PMID 18641399

Akman MA, Erden HF, Bahceci M. Endometrial fluid visualized through ultrasonography during ovarian stimulation in IVF cycles impairs the outcome in tubal factor, but not PCOS, patients. *Hum Reprod.* 2005 Apr;20(4):906-9. Available from: PubMed; PMID 15640251

Al-Azemi M, Omu FE, Omu AE. The effect of obesity on the outcome of infertility management in women with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2004 Dec;270(4):205-10. Available from: PubMed; PMID 12955532

Alborzi S, Khodae R, Parsanejad ME. Ovarian size and response to laparoscopic ovarian electro-cauterization in polycystic ovarian disease. *Int J Gynaecol Obstet.* 2001 Sep;74(3):269-74. Available from: PubMed; PMID 11543751

Alborzi S, Tavazoo F, Dehaghani AS, Ghaderi A, Alborzi S, Alborzi M. Determination of antiovarian antibodies after laparoscopic ovarian electrocauterization in patients with polycystic ovary syndrome. *Fertil Steril.* 2009 Apr;91(4):1159-63. Available from: PubMed; PMID 18439597

Al-Fadhli R, Tulandi T. Laparoscopic treatment of polycystic ovaries: is its place diminishing? *Curr Opin Obstet Gynecol.* 2004 Aug;16(4):295-8. Available from: PubMed; PMID 15232482

Ali Hassan H, El-Gezeiry D, Nafaa TM, Baghdady I. Improved responsiveness of PCOS patients to clomiphene

after CYP17a inhibitor. *J Assist Reprod Genet.* 2001 Nov;18(11):608-11. Available from: PubMed; PMID 11804430

Al-Mizyen E, Grudzinskas JG. Unilateral laparoscopic ovarian diathermy in infertile women with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril.* 2007 Dec;88(6):1678-80. Available from: PubMed; PMID 17451693

Al-Ojaimi EH. Pregnancy outcomes after laparoscopic ovarian drilling in women with polycystic ovarian syndrome. *Saudi Med J.* 2006 Apr;27(4):519-25. Available from: PubMed; PMID 16598331

Al-Omari WR, Sulaiman WR, Al-Hadithi N. Comparison of two aromatase inhibitors in women with clomiphene-resistant polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2004 Jun;85(3):289-91. Available from: PubMed; PMID 15145273

Alshammari A, Hanley A, Ni A, Tomlinson G, Feig DS. Does the presence of polycystic ovary syndrome increase the risk of obstetrical complications in women with gestational diabetes? *J Matern Fetal Neonatal Med.* 2010 Jun;23(6):545-9. Available from: PubMed; PMID 19718584

Altieri P, Gambineri A, Prontera O, Cionci G, Franchina M, Pasquali R. Maternal polycystic ovary syndrome may be associated with adverse pregnancy outcomes. *Eur J Obstet Gynecol Reprod Biol.* 2010 Mar;149(1):31-6. Available from: PubMed; PMID 20056308

Amalfi S, Velez LM, Heber MF, Vighi S, Ferreira SR, Orozco AV, Pignataro O, Motta AB. Prenatal hyperandrogenization induces metabolic and endocrine alterations which depend on the levels of testosterone exposure. *PLoS One.* 2012;7(5):e37658. Available from: PubMed; PMID 22655062

Amer SA, Li TC, Cooke ID. A prospective dose-finding study of the amount of thermal energy required for laparoscopic ovarian diathermy. *Hum Reprod.* 2003 Aug;18(8):1693-8. Available from: PubMed; PMID 12871884

Amer SA, Li TC, Ledger WL. Ovulation induction using laparoscopic ovarian drilling in women with polycystic ovarian syndrome: predictors of success. *Hum Reprod.* 2004 Aug;19(8):1719-24. Available from: PubMed; PMID 15178663

Amer SA, Li TC, Metwally M, Emarh M, Ledger WL. Randomized controlled trial comparing laparoscopic ovarian diathermy with clomiphene citrate as a first-line method of ovulation induction in women with polycystic ovary syndrome. *Hum Reprod.* 2009 Jan;24(1):219-25. Available from: PubMed; PMID 18794162

Amer S, Li TC, Samuelson C, Ledger W. The impact of insulin resistance on the outcome of laparoscopic ovarian

diathermy in women with polycystic ovarian syndrome. *Acta Obstet Gynecol Scand.* 2011 Apr;90(4):338-43. Available from: PubMed; PMID 21306324

Amini M, Horri N, Farmani M, Haghighi S, Sattari G, Pornaghshband Z, Aminorroaya A. Prevalence of polycystic ovary syndrome in reproductive-aged women with type 2 diabetes. *Gynecol Endocrinol.* 2008 Aug;24(8):423-7. Available from: PubMed; PMID 18850378

Anate M, Olatinwo AW. Anovulatory infertility: a report of four cases and literature review. *Niger J Med.* 2001 Apr-Jun;10(2):85-90. Available from: PubMed; PMID 11705066

Anderson H, Fogel N, Grebe SK, Singh RJ, Taylor RL, Dunaif A. Infants of women with polycystic ovary syndrome have lower cord blood androstenedione and estradiol levels. *J Clin Endocrinol Metab.* 2010 May;95(5):2180-6. Available from: PubMed; PMID 20228162

Andreou C, Syngelakis M, Karavatos A. Metformine for psychosis associated with the menstrual cycle in a patient with polycystic ovary syndrome. *Arch Womens Ment Health.* 2008 Dec;11(5-6):387-8. Available from: PubMed; PMID 18827957

Arabzadeh S, Hossein G, Rashidi BH, Hosseini MA, Zeraati H. Comparing serum basal and follicular fluid levels of anti-Mullerian hormone as a predictor of in vitro fertilization outcomes in patients with and without polycystic ovary syndrome. *Ann Saudi Med.* 2010 Nov-Dec;30(6):442-7. Available from: PubMed; PMID 20940513

Araki T, Elias R, Rosenwaks Z, Poretsky L. Achieving a successful pregnancy in women with polycystic ovary syndrome. *Endocrinol Metab Clin North Am.* 2011 Dec;40(4):865-94. Available from: PubMed; PMID 22108285

Aruna J, Mittal S, Kumar S, Misra R, Dadhwal V, Vimala N. Metformin therapy in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2004 Dec;87(3):237-41. Available from: PubMed; PMID 15548396

Asada H, Kishi I, Kaseda S, Nakagawa H, Maruyama T, Yoshimura Y. Laparoscopic treatment of polycystic ovaries with the holmium:YAG laser. *Fertil Steril.* 2002 Apr;77(4):852-3. Available from: PubMed; PMID 11937150

Ashrafi M, Kiani K, Ghasemi A, Rastegar F, Nabavi M. The effect of low dose human chorionic gonadotropin on follicular response and oocyte maturation in PCOS patients undergoing IVF cycles: a randomized clinical trial of efficacy and safety. *Arch Gynecol Obstet.* 2011 Dec;284(6):1431-8. Available from: PubMed; PMID 21210134

Atay V, Cam C, Muhcu M, Cam M, Karateke A. Comparison of letrozole and clomiphene citrate in women with polycystic ovaries undergoing ovarian stimulation. *J Int Med Res.* 2006 Jan-Feb;34(1):73-6. Available from: PubMed; PMID 16604826

Atiomo WU, Condon J, Adekanmi O, Friend J, Wilkin TJ, Prentice AG. Are women with polycystic ovary syndrome resistant to activated protein C? *Fertil Steril.* 2000 Dec;74(6):1229-32. Available from: PubMed; PMID 11119756

Aubuchon M, Laughbaum N, Poetker A, Williams D, Thomas M. Supervised short-term nutrition and exercise promotes weight loss in overweight and obese patients with polycystic ovary syndrome. *Fertil Steril.* 2009 Apr;91(4 Suppl):1336-8. Available from: PubMed; PMID 18555225

Awonuga AO, Schenone MH, Abdallah ME, Yelian FD, Diamond MP, Puscheck EE. Non-adherence to instructions to cancel a cycle in a patient overstimulated with gonadotropins in a planned intrauterine insemination cycle. *J Clin Ethics.* 2009 Fall;20(3):235-8. Available from: PubMed; PMID 19845194

Azziz R, Ehrmann D, Legro RS, Whitcomb RW, Hanley R, Fereshetian AG, O'Keefe M, Ghazzi MN. Troglitazone improves ovulation and hirsutism in the polycystic ovary syndrome: a multicenter, double blind, placebo-controlled trial. *J Clin Endocrinol Metab.* 2001 Apr;86(4):1626-32. Available from: PubMed; PMID 11297595

Azziz R, Dumesic DA, Goodarzi MO. Polycystic ovary syndrome: an ancient disorder? *Fertil Steril.* 2011 Apr;95(5):1544-8. Available from: PubMed; PMID 20979996

Badawy A, State O, Abdelgawad S. N-Acetyl cysteine and clomiphene citrate for induction of ovulation in polycystic ovary syndrome: a cross-over trial. *Acta Obstet Gynecol Scand.* 2007;86(2):218-22. Available from: PubMed; PMID 17364286

Badawy A, Allam A, Abulatta M. Extending clomiphene treatment in clomiphene-resistant women with PCOS: a randomized controlled trial. *Reprod Biomed Online.* 2008 Jun;16(6):825-9. Available from: PubMed; PMID 18549692

Badawy A, Mosbah A, Shady M. Anastrozole or letrozole for ovulation induction in clomiphene-resistant women with polycystic ovarian syndrome: a prospective randomized trial. *Fertil Steril.* 2008 May;89(5):1209-12. Available from: PubMed; PMID 17686479

Badawy A, Abdel Aal I, Abulatta M. Clomiphene citrate or anastrozole for ovulation induction in women with polycystic ovary syndrome? A prospective controlled trial. *Fertil Steril.* 2009 Sep;92(3):860-3. Available from: PubMed; PMID 18166179

- Badawy A, Abdel Aal I, Abulatta M. Clomiphene citrate or letrozole for ovulation induction in women with polycystic ovarian syndrome: a prospective randomized trial. *Fertil Steril*. 2009 Sep;92(3):849-52. Available from: PubMed; PMID 17582406
- Badawy A, Inany H, Mosbah A, Abulatta M. Luteal phase clomiphene citrate for ovulation induction in women with polycystic ovary syndrome: a novel protocol. *Fertil Steril*. 2009 Mar;91(3):838-41. Available from: PubMed; PMID 18314112
- Badawy A, Khiary M, Ragab A, Hassan M, Sherief L. Ultrasound-guided transvaginal ovarian needle drilling (UTND) for treatment of polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril*. 2009 Apr;91(4):1164-7. Available from: PubMed; PMID 18342858
- Badawy A, Mosbah A, Tharwat A, Eid M. Extended letrozole therapy for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a novel protocol. *Fertil Steril*. 2009 Jul;92(1):236-9. Available from: PubMed; PMID 18706549
- Badawy A, Gibreal A. Clomiphene citrate versus tamoxifen for ovulation induction in women with PCOS: a prospective randomized trial. *Eur J Obstet Gynecol Reprod Biol*. 2011 Nov;159(1):151-4. Available from: PubMed; PMID 21831503
- Bagis T. Pregnancy in women with PCOS. *Fertil Steril*. 2011 Apr;95(5):e17; author reply e8. Available from: PubMed; PMID 21300337
- Bahceci M, Ulug U, Ben-Shlomo I, Erden HF, Akman MA. Use of a GnRH antagonist in controlled ovarian hyperstimulation for assisted conception in women with polycystic ovary disease: a randomized, prospective, pilot study. *J Reprod Med*. 2005 Feb;50(2):84-90. Available from: PubMed; PMID 15755044
- Baillargeon JP. Use of insulin sensitizers in polycystic ovarian syndrome. *Curr Opin Investig Drugs*. 2005 Oct;6(10):1012-22. Available from: PubMed; PMID 16259222
- Baka S, Zourla K, Malamitsi-Puchner A, Makrakis E, Kaparos G, Demeridou S, Moustakarias T, Tzanakaki D, Hassiakos D, Kouskouni E. Intrafollicular levels of matrix metalloproteinases-2 and -9 in patients with polycystic ovaries are not associated with pregnancy rate during IVF cycle. *In Vivo*. 2009 Jan-Feb;23(1):89-92. Available from: PubMed; PMID 19368130
- Baka S, Zourla K, Kouskouni E, Makrakis E, Demeridou S, Tzanakaki D, Hassiakos D, Creatsas G. Matrix metalloproteinases 2 and 9 and their tissue inhibitors in the follicular fluid of patients with polycystic ovaries undergoing in vitro fertilisation. *In Vivo*. 2010 May-Jun;24(3):293-6. Available from: PubMed; PMID 20555001
- Balasz J, Fabregues F, Creus M, Puerto B, Penarrubia J, Vanrell JA. Follicular development and hormone concentrations following recombinant FSH administration for anovulation associated with polycystic ovarian syndrome: prospective, randomized comparison between low-dose step-up and modified step-down regimens. *Hum Reprod*. 2001 Apr;16(4):652-6. Available from: PubMed; PMID 11278212
- Balen A. Ovulation induction--optimizing results and minimizing risks. *Hum Fertil (Camb)*. 2003 May;6 Suppl 1:S42-51. Available from: PubMed; PMID 12869779
- Balen AH, Dresner M, Scott EM, Drife JO. Should obese women with polycystic ovary syndrome receive treatment for infertility? *BMJ*. 2006 Feb 25;332(7539):434-5. Available from: PubMed; PMID 16497735
- Balen A, Platteau P, Andersen AN, Devroey P, Helmgaard L, Arce JC. Highly purified FSH is as efficacious as recombinant FSH for ovulation induction in women with WHO Group II anovulatory infertility: a randomized controlled non-inferiority trial. *Hum Reprod*. 2007 Jul;22(7):1816-23. Available from: PubMed; PMID 17449511
- Ballian N, Mantoudis E, Kaltsas GA. Pregnancy following ovarian drilling in a woman with polycystic ovary syndrome and nine previous first trimester miscarriages. *Arch Gynecol Obstet*. 2006 Mar;273(6):384-6. Available from: PubMed; PMID 16195901
- Bals-Pratsch M, Grosser B, Seifert B, Ortman O, Seifarth C. Early onset and high prevalence of gestational diabetes in PCOS and insulin resistant women before and after assisted reproduction. *Exp Clin Endocrinol Diabetes*. 2011 Jun;119(6):338-42. Available from: PubMed; PMID 21374548
- Banerjee Ray P, Ray A, Chakraborti PS. Comparison of efficacy of letrozole and clomiphene citrate in ovulation induction in Indian women with polycystic ovarian syndrome. *Arch Gynecol Obstet*. 2012 Mar;285(3):873-7. Available from: PubMed; PMID 21984038
- Baran S, Api M, Goksedef BP, Cetin A. Comparison of metformin and clomiphene citrate therapy for induction of ovulation in the polycystic ovary syndrome. *Arch Gynecol Obstet*. 2010 Oct;282(4):439-43. Available from: PubMed; PMID 20473763
- Barbieri RL. Metformin for the treatment of polycystic ovary syndrome. *Obstet Gynecol*. 2003 Apr;101(4):785-93. Available from: PubMed; PMID 12681887
- Barbieri RL, Gargiulo AR. Metformin for the treatment of the polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):63-79. Available from: PubMed; PMID 14973411

- Barnett DK, Abbott DH. Reproductive adaptations to a large-brained fetus open a vulnerability to anovulation similar to polycystic ovary syndrome. *Am J Hum Biol.* 2003 May-Jun;15(3):296-319. Available from: PubMed; PMID 12704707
- Barry JA, Kay AR, Navaratnarajah R, Iqbal S, Bamfo JE, David AL, Hines M, Hardiman PJ. Umbilical vein testosterone in female infants born to mothers with polycystic ovary syndrome is elevated to male levels. *J Obstet Gynaecol.* 2010;30(5):444-6. Available from: PubMed; PMID 20604643
- Barry JA, Hardiman PJ, Siddiqui MR, Thomas M. Meta-analysis of sex difference in testosterone levels in umbilical cord blood. *J Obstet Gynaecol.* 2011 Nov;31(8):697-702. Available from: PubMed; PMID 22085057
- Baruah J, Roy KK, Rahman SM, Kumar S, Sharma JB, Karmakar D. Endometrial effects of letrozole and clomiphene citrate in women with polycystic ovary syndrome using spiral artery Doppler. *Arch Gynecol Obstet.* 2009 Mar;279(3):311-4. Available from: PubMed; PMID 18597100
- Bates GW, Shomento S, McKnight K, McLean HM. Discussion: 'Novel clomiphene protocol in polycystic ovarian syndrome' by Hurst et al. *Am J Obstet Gynecol.* 2009 May;200(5):e1-3. Available from: PubMed; PMID 19375561
- Batukan C, Baysal B. Metformin improves ovulation and pregnancy rates in patients with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2001 Aug;265(3):124-7. Available from: PubMed; PMID 11561739
- Bayar U, Basaran M, Kiran S, Coskun A, Gezer S. Use of an aromatase inhibitor in patients with polycystic ovary syndrome: a prospective randomized trial. *Fertil Steril.* 2006 Nov;86(5):1447-51. Available from: PubMed; PMID 17070196
- Bayram N, van Wely M, Vandekerckhove P, Lilford R, van Der Veen F. Pulsatile luteinising hormone releasing hormone for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD000412. Available from: PubMed; PMID 10796718
- Bayram N, van Wely M, van Der Veen F. Recombinant FSH versus urinary gonadotrophins or recombinant FSH for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2001 (2):CD002121. Available from: PubMed; PMID 11406034
- Bayram N, van Wely M, Kaaijk EM, Bossuyt PM, van der Veen F. Using an electrocautery strategy or recombinant follicle stimulating hormone to induce ovulation in polycystic ovary syndrome: randomised controlled trial. *BMJ.* 2004 Jan 24;328(7433):192. Available from: PubMed; PMID 14739186
- Bayram N, van Wely M, van der Veen F. Pulsatile gonadotrophin releasing hormone for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2004 (1):CD000412. Available from: PubMed; PMID 14973957
- Begum MR, Ferdous J, Begum A, Quadir E. Comparison of efficacy of aromatase inhibitor and clomiphene citrate in induction of ovulation in polycystic ovarian syndrome. *Fertil Steril.* 2009 Sep;92(3):853-7. Available from: PubMed; PMID 18177867
- Begum MR, Khanam NN, Quadir E, Ferdous J, Begum MS, Khan F, Begum A. Prevention of gestational diabetes mellitus by continuing metformin therapy throughout pregnancy in women with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2009 Apr;35(2):282-6. Available from: PubMed; PMID 19708174
- Bell DS. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 May 10;356(19):1999-2000; author reply -1. Available from: PubMed; PMID 17506159
- Belli SH, Graffigna MN, Oneto A, Otero P, Schurman L, Levalle OA. Effect of rosiglitazone on insulin resistance, growth factors, and reproductive disturbances in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Mar;81(3):624-9. Available from: PubMed; PMID 15037412
- Ben-Haroush A, Yogeve Y, Fisch B. Insulin resistance and metformin in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Aug 10;115(2):125-33. Available from: PubMed; PMID 15262344
- Benkhalifa M, Demiroglu A, Menezes Y, Balashova E, Abduljalil AK, Abbas S, Giakoumakis I, Gurgan T. Natural cycle IVF and oocyte in-vitro maturation in polycystic ovary syndrome: a collaborative prospective study. *Reprod Biomed Online.* 2009 Jan;18(1):29-36. Available from: PubMed; PMID 19146766
- Bertalan R, Csabay L, Blazovics A, Rigo J, Jr., Varga I, Halasz Z, Toldy E, Boyle B, Raczk K. Maternal hyperandrogenism beginning from early pregnancy and progressing until delivery does not produce virilization of a female newborn. *Gynecol Endocrinol.* 2007 Oct;23(10):581-3. Available from: PubMed; PMID 17852424
- Beydoun HA, Stadtmauer L, Beydoun MA, Russell H, Zhao Y, Oehninger S. Polycystic ovary syndrome, body mass index and outcomes of assisted reproductive technologies. *Reprod Biomed Online.* 2009 Jun;18(6):856-63. Available from: PubMed; PMID 19490792
- Beydoun HA, Stadtmauer L, Zhao Y, Russell H, Matson DO, Oehninger S. Impact of polycystic ovary syndrome on selected indicators of in vitro fertilization and intracytoplasmic sperm injection treatment success. *J*

- Womens Health (Larchmt). 2009 May;18(5):717-23. Available from: PubMed; PMID 19368509
- Bjercke S, Dale PO, Tanbo T, Storeng R, Ertzeid G, Abyholm T. Impact of insulin resistance on pregnancy complications and outcome in women with polycystic ovary syndrome. *Gynecol Obstet Invest.* 2002;54(2):94-8. Available from: PubMed; PMID 12566751
- Bloomgarden ZT. Diabetes issues in women and children: polycystic ovary syndrome. *Diabetes Care.* 2003 Aug;26(8):2457-63. Available from: PubMed; PMID 12882878
- Bokal EV, Vrtovec HM, Virant Klun I, Verdenik I. Prolonged HCG action affects angiogenic substances and improves follicular maturation, oocyte quality and fertilization competence in patients with polycystic ovarian syndrome. *Hum Reprod.* 2005 Jun;20(6):1562-8. Available from: PubMed; PMID 15734758
- Bolton S, Cleary B, Walsh J, Dempsey E, Turner MJ. Continuation of metformin in the first trimester of women with polycystic ovarian syndrome is not associated with increased perinatal morbidity. *Eur J Pediatr.* 2009 Feb;168(2):203-6. Available from: PubMed; PMID 18461356
- Boomsma CM, Eijkemans MJ, Hughes EG, Visser GH, Fauser BC, Macklon NS. A meta-analysis of pregnancy outcomes in women with polycystic ovary syndrome. *Hum Reprod Update.* 2006 Nov-Dec;12(6):673-83. Available from: PubMed; PMID 16891296
- Boomsma CM, Fauser BC, Macklon NS. Pregnancy complications in women with polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):72-84. Available from: PubMed; PMID 18181085
- Boothroyd C, Yazdani A. Higher-order multiple pregnancy associated with metformin in women with polycystic ovary syndrome: two cases and review of the literature. *Fertil Steril.* 2006 Jan;85(1):227. Available from: PubMed; PMID 16412759
- Bouchard P. Treatment of infertility in women with polycystic ovary syndrome. *Ann Endocrinol (Paris).* 2010 May;71(3):225-7. Available from: PubMed; PMID 20394912
- Bowen-Simpkins P. Detecting polycystic ovary syndrome. *Practitioner.* 2007 Mar;251(1692):51-2, 4-6. Available from: PubMed; PMID 17441487
- Branigan EF, Estes A, Walker K, Rothgeb J. Thorough sonographic oocyte retrieval during in vitro fertilization produces results similar to ovarian wedge resection in patients with clomiphene citrate-resistant polycystic ovarian syndrome. *Am J Obstet Gynecol.* 2006 Jun;194(6):1696-700; discussion 700-1. Available from: PubMed; PMID 16731088
- Brassard M, AinMelk Y, Baillargeon JP. Basic infertility including polycystic ovary syndrome. *Med Clin North Am.* 2008 Sep;92(5):1163-92, xi. Available from: PubMed; PMID 18721657
- Brewer C, Acharya S, Thake F, Tang T, Balen A. Effect of metformin taken in the 'fresh' in vitro fertilization/intracytoplasmic sperm injection cycle upon subsequent frozen embryo replacement in women with polycystic ovary syndrome. *Hum Fertil (Camb).* 2010 Sep;13(3):134-42. Available from: PubMed; PMID 20849198
- Brock B, Smidt K, Ovesen P, Schmitz O, Rungby J. Is metformin therapy for polycystic ovary syndrome safe during pregnancy? *Basic Clin Pharmacol Toxicol.* 2005 Jun;96(6):410-2. Available from: PubMed; PMID 15910403
- Bronstein J, Tawdekar S, Liu Y, Pawelczak M, David R, Shah B. Age of onset of polycystic ovarian syndrome in girls may be earlier than previously thought. *J Pediatr Adolesc Gynecol.* 2011 Feb;24(1):15-20. Available from: PubMed; PMID 21262477
- Brown FM, Wyckoff J, Rowan JA, Jovanovic L, Sacks DA, Briggs GG. Metformin in pregnancy: its time has not yet come. *Diabetes Care.* 2006 Feb;29(2):485-6. Available from: PubMed; PMID 16443923
- Brown J, Farquhar C, Beck J, Boothroyd C, Hughes E. Clomiphene and anti-oestrogens for ovulation induction in PCOS. *Cochrane Database Syst Rev.* 2009 (4):CD002249. Available from: PubMed; PMID 19821295
- Bruns CM, Baum ST, Colman RJ, Dumesic DA, Eisner JR, Jensen MD, Whigham LD, Abbott DH. Prenatal androgen excess negatively impacts body fat distribution in a nonhuman primate model of polycystic ovary syndrome. *Int J Obes (Lond).* 2007 Oct;31(10):1579-85. Available from: PubMed; PMID 17471299
- Buckett WM, Chian RC, Tan SL. Human chorionic gonadotropin for in vitro oocyte maturation: does it improve the endometrium or implantation? *J Reprod Med.* 2004 Feb;49(2):93-8. Available from: PubMed; PMID 15018436
- Burgers JA, Fong SL, Louwers YV, Valkenburg O, de Jong FH, Fauser BC, Laven JS. Oligoovulatory and anovulatory cycles in women with polycystic ovary syndrome (PCOS): what's the difference? *J Clin Endocrinol Metab.* 2010 Dec;95(12):E485-9. Available from: PubMed; PMID 20843954
- Cardone VS. GnRH antagonists for treatment of polycystic ovarian syndrome. *Fertil Steril.* 2003 Jul;80 Suppl 1:S25-31; discussion S2-4. Available from: PubMed; PMID 12831915
- Carlsen SM, Kjøtroed S, Vanky E, Romundstad P. Homocysteine levels are unaffected by metformin

- treatment in both nonpregnant and pregnant women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2007;86(2):145-50. Available from: PubMed; PMID 17364275
- Carlsen SM, Vanky E. Metformin influence on hormone levels at birth, in PCOS mothers and their newborns. *Hum Reprod*. 2010 Mar;25(3):786-90. Available from: PubMed; PMID 20023292
- Carroll J, Saxena R, Welt CK. Environmental and genetic factors influence age at menarche in women with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2012;25(5-6):459-66. Available from: PubMed; PMID 22876539
- Casa A, Sesti F, Marziali M, Gulemi L, Piccione E. Transvaginal hydrolaparoscopic ovarian drilling using bipolar electrocoagulation to treat anovulatory women with polycystic ovary syndrome. *J Am Assoc Gynecol Laparosc*. 2003 May;10(2):219-22. Available from: PubMed; PMID 12732776
- Casper RF. Letrozole versus clomiphene citrate: which is better for ovulation induction? *Fertil Steril*. 2009 Sep;92(3):858-9. Available from: PubMed; PMID 17588568
- Casper RF. Detrimental effect of induced or spontaneous menses before ovulation induction on pregnancy outcome in patients with polycystic ovary syndrome. *Obstet Gynecol*. 2012 May;119(5):886-7. Available from: PubMed; PMID 22525898
- Cataldo NA, Abbasi F, McLaughlin TL, Lamendola C, Reaven GM. Improvement in insulin sensitivity followed by ovulation and pregnancy in a woman with polycystic ovary syndrome who was treated with rosiglitazone. *Fertil Steril*. 2001 Nov;76(5):1057-9. Available from: PubMed; PMID 11704136
- Cattrall FR, Vollenhoven BJ, Weston GC. Anatomical evidence for in utero androgen exposure in women with polycystic ovary syndrome. *Fertil Steril*. 2005 Dec;84(6):1689-92. Available from: PubMed; PMID 16359966
- Cha KY, Han SY, Chung HM, Choi DH, Lim JM, Lee WS, Ko JJ, Yoon TK. Pregnancies and deliveries after in vitro maturation culture followed by in vitro fertilization and embryo transfer without stimulation in women with polycystic ovary syndrome. *Fertil Steril*. 2000 May;73(5):978-83. Available from: PubMed; PMID 10785224
- Cha KY, Chung HM, Lee DR, Kwon H, Chung MK, Park LS, Choi DH, Yoon TK. Obstetric outcome of patients with polycystic ovary syndrome treated by in vitro maturation and in vitro fertilization-embryo transfer. *Fertil Steril*. 2005 May;83(5):1461-5. Available from: PubMed; PMID 15866585
- Cha KY, Lee DR, Cho JH, Yoon TK. In vitro maturation of immature oocytes and IVF/ICSI in PCOS patients. *J Indian Med Assoc*. 2006 Aug;104(8):446, 8, 73. Available from: PubMed; PMID 17240801
- Chan CC, Ng EH, Tang OS, Lee CP, Ho PC. The prevalence of polycystic ovaries in Chinese women with a history of gestational diabetes mellitus. *Gynecol Endocrinol*. 2006 Sep;22(9):516-20. Available from: PubMed; PMID 17071537
- Chandrasekar R, Kiran U, Weerakkody AN. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG*. 2007 Mar;114(3):375-6; author reply 6. Available from: PubMed; PMID 17313391
- Chattopadhyay R, Ganesh A, Samanta J, Jana SK, Chakravarty BN, Chaudhury K. Effect of follicular fluid oxidative stress on meiotic spindle formation in infertile women with polycystic ovarian syndrome. *Gynecol Obstet Invest*. 2010;69(3):197-202. Available from: PubMed; PMID 20051691
- Cheang KI, Nestler JE. Should insulin-sensitizing drugs be used in the treatment of polycystic ovary syndrome? *Reprod Biomed Online*. 2004 Apr;8(4):440-7. Available from: PubMed; PMID 15149568
- Cheang KI, Sharma ST, Nestler JE. Is metformin a primary ovulatory agent in patients with polycystic ovary syndrome? *Gynecol Endocrinol*. 2006 Nov;22(11):595-604. Available from: PubMed; PMID 17145645
- Checa MA, Requena A, Salvador C, Tur R, Callejo J, Espinos JJ, Fabregues F, Herrero J. Insulin-sensitizing agents: use in pregnancy and as therapy in polycystic ovary syndrome. *Hum Reprod Update*. 2005 Jul-Aug;11(4):375-90. Available from: PubMed; PMID 15878899
- Chen YC, Tsai EM, Chen HS, Liu YH, Lee CH, Chou FH, Chen IJ, Chen SY, Jong SB, Chan TF. Serum resistin level is a predictor of ovarian response in in vitro fertilisation cycle. *Acta Obstet Gynecol Scand*. 2007;86(8):963-7. Available from: PubMed; PMID 17653882
- Chen ZJ, Shi Y. Polycystic ovary syndrome. *Front Med China*. 2010 Sep;4(3):280-4. Available from: PubMed; PMID 21191832
- Cheng J, Lv J, Li CY, Xue Y, Huang Z, Zheng W. Clinical outcomes of ovulation induction with metformin, clomiphene citrate and human menopausal gonadotrophin in polycystic ovary syndrome. *J Int Med Res*. 2010 Jul-Aug;38(4):1250-8. Available from: PubMed; PMID 20925997
- Cheung AP, Pride SM, Yuen BH, Sy L. In-vivo ovarian androgen responses to recombinant FSH with and without recombinant LH in polycystic ovarian syndrome. *Hum Reprod*. 2002 Oct;17(10):2540-7. Available from: PubMed; PMID 12351525

- Cheung NW, Oats JJ. Re: Glucose tolerance abnormalities in Australian women with polycystic ovary syndrome. *Med J Aust.* 2008 Jan 21;188(2):126-7. Available from: PubMed; PMID 18205595
- Chian RC, Buckett WM, Tulandi T, Tan SL. Prospective randomized study of human chorionic gonadotrophin priming before immature oocyte retrieval from unstimulated women with polycystic ovarian syndrome. *Hum Reprod.* 2000 Jan;15(1):165-70. Available from: PubMed; PMID 10611207
- Chian RC, Gulekli B, Buckett WM, Tan SL. Pregnancy and delivery after cryopreservation of zygotes produced by in-vitro matured oocytes retrieved from a woman with polycystic ovarian syndrome. *Hum Reprod.* 2001 Aug;16(8):1700-2. Available from: PubMed; PMID 11473967
- Chian RC, Gilbert L, Huang JY, Demirtas E, Holzer H, Benjamin A, Buckett WM, Tulandi T, Tan SL. Live birth after vitrification of in vitro matured human oocytes. *Fertil Steril.* 2009 Feb;91(2):372-6. Available from: PubMed; PMID 18514195
- Child TJ, Abdul-Jalil AK, Gulekli B, Tan SL. In vitro maturation and fertilization of oocytes from unstimulated normal ovaries, polycystic ovaries, and women with polycystic ovary syndrome. *Fertil Steril.* 2001 Nov;76(5):936-42. Available from: PubMed; PMID 11704114
- Child TJ, Phillips SJ, Abdul-Jalil AK, Gulekli B, Tan SL. A comparison of in vitro maturation and in vitro fertilization for women with polycystic ovaries. *Obstet Gynecol.* 2002 Oct;100(4):665-70. Available from: PubMed; PMID 12383531
- Christin-Maitre S, Hugues JN. A comparative randomized multicentric study comparing the step-up versus step-down protocol in polycystic ovary syndrome. *Hum Reprod.* 2003 Aug;18(8):1626-31. Available from: PubMed; PMID 12871872
- Cibula D, Kuzel D, Rezabek K, Vrbikova J, Zivny J, Starka PL. Multiple ovarian biopsy in the treatment of women with polycystic ovary syndrome (PCOS). *Clin Exp Obstet Gynecol.* 2000;27(3-4):194-6. Available from: PubMed; PMID 11214949
- Cipkala-Gaffin J, Talbott EO, Song MK, Bromberger J, Wilson J. Associations between psychologic symptoms and life satisfaction in women with polycystic ovary syndrome. *J Womens Health (Larchmt).* 2012 Feb;21(2):179-87. Available from: PubMed; PMID 22004245
- Cittadini E. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril.* 2011 Jun 30;95(8):e57; author reply e8. Available from: PubMed; PMID 21514580
- Clapauch R, Mattos TM. Triplet pregnancy after metformin in a woman with polycystic ovary syndrome. *Fertil Steril.* 2008 May;89(5):1260 e1-2. Available from: PubMed; PMID 17628554
- Cleemann L, Lauszus FF, Trolle B. Laparoscopic ovarian drilling as first line of treatment in infertile women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Mar;18(3):138-43. Available from: PubMed; PMID 15255282
- Cocksedge KA, Li TC, Saravelos SH, Metwally M. A reappraisal of the role of polycystic ovary syndrome in recurrent miscarriage. *Reprod Biomed Online.* 2008 Jul;17(1):151-60. Available from: PubMed; PMID 18616903
- Cocksedge KA, Saravelos SH, Metwally M, Li TC. How common is polycystic ovary syndrome in recurrent miscarriage? *Reprod Biomed Online.* 2009 Oct;19(4):572-6. Available from: PubMed; PMID 19909600
- Costello MF, Eden JA. A systematic review of the reproductive system effects of metformin in patients with polycystic ovary syndrome. *Fertil Steril.* 2003 Jan;79(1):1-13. Available from: PubMed; PMID 12524053
- Costello MF. Polycystic ovary syndrome--a management update. *Aust Fam Physician.* 2005 Mar;34(3):127-33. Available from: PubMed; PMID 15799658
- Costello MF, Chapman M, Conway U. A systematic review and meta-analysis of randomized controlled trials on metformin co-administration during gonadotrophin ovulation induction or IVF in women with polycystic ovary syndrome. *Hum Reprod.* 2006 Jun;21(6):1387-99. Available from: PubMed; PMID 16449310
- Costello MF, Ledger WL. Evidence-based management of infertility in women with polycystic ovary syndrome using surgery or assisted reproductive technology. *Womens Health (Lond Engl).* 2012 May;8(3):291-300. Available from: PubMed; PMID 22554176
- Creanga AA, Bradley HM, McCormick C, Witkop CT. Use of metformin in polycystic ovary syndrome: a meta-analysis. *Obstet Gynecol.* 2008 Apr;111(4):959-68. Available from: PubMed; PMID 18378757
- Crisosto N, Echiburu B, Maliqueo M, Perez V, Ladron de Guevara A, Preisler J, Sanchez F, Sir-Petermann T. Improvement of hyperandrogenism and hyperinsulinemia during pregnancy in women with polycystic ovary syndrome: possible effect in the ovarian follicular mass of their daughters. *Fertil Steril.* 2012 Jan;97(1):218-24. Available from: PubMed; PMID 22088206
- Crosignani PG, Colombo M, Vegetti W, Somigliana E, Gessati A, Ragni G. Overweight and obese anovulatory patients with polycystic ovaries: parallel improvements in anthropometric indices, ovarian physiology and fertility



- rate induced by diet. *Hum Reprod.* 2003 Sep;18(9):1928-32. Available from: PubMed; PMID 12923151
- Dale PO, Tanbo T, Ertzeid G, Bjercke S, Oldereid N, Fedorcsak P, Abyholm T. The impact of insulin resistance on the outcome of laparoscopic ovarian electrocautery in infertile women with the polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Oct;19(4):182-9. Available from: PubMed; PMID 15724800
- D'Anna R, Di Benedetto V, Rizzo P, Raffone E, Interdonato ML, Corrado F, Di Benedetto A. Myo-inositol may prevent gestational diabetes in PCOS women. *Gynecol Endocrinol.* 2012 Jun;28(6):440-2. Available from: PubMed; PMID 22122627
- de Araujo CH, Nogueira D, de Araujo MC, Martins Wde P, Ferriani RA, dos Reis RM. Supplemented tissue culture medium 199 is a better medium for in vitro maturation of oocytes from women with polycystic ovary syndrome women than human tubal fluid. *Fertil Steril.* 2009 Feb;91(2):509-13. Available from: PubMed; PMID 18304540
- De Leo V, la Marca A, Petraglia F. Insulin-lowering agents in the management of polycystic ovary syndrome. *Endocr Rev.* 2003 Oct;24(5):633-67. Available from: PubMed; PMID 14570747
- De Leo V, Musacchio MC, Morgante G, La Marca A, Petraglia F. Polycystic ovary syndrome and type 2 diabetes mellitus. *Minerva Ginecol.* 2004 Feb;56(1):53-62. Available from: PubMed; PMID 14973410
- De Leo V, Musacchio MC, Piomboni P, Di Sabatino A, Morgante G. The administration of metformin during pregnancy reduces polycystic ovary syndrome related gestational complications. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jul;157(1):63-6. Available from: PubMed; PMID 21530058
- de Oliveira Baraldi C, Lanchote VL, de Jesus Antunes N, de Jesus Ponte Carvalho TM, Dantas Moises EC, Duarte G, Cavalli RC. Metformin pharmacokinetics in nondiabetic pregnant women with polycystic ovary syndrome. *Eur J Clin Pharmacol.* 2011 Oct;67(10):1027-33. Available from: PubMed; PMID 21538144
- De Sutter P, Dutre T, Vanden Meerschaut F, Stuyver I, Van Maele G, Dhont M. PCOS in lesbian and heterosexual women treated with artificial donor insemination. *Reprod Biomed Online.* 2008 Sep;17(3):398-402. Available from: PubMed; PMID 18765011
- De Vos M, Ortega-Hrepich C, Albuz FK, Guzman L, Polyzos NP, Smitz J, Devroey P. Clinical outcome of non-hCG-primed oocyte in vitro maturation treatment in patients with polycystic ovaries and polycystic ovary syndrome. *Fertil Steril.* 2011 Oct;96(4):860-4. Available from: PubMed; PMID 21868003
- de Zegher F, Ibanez L. Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S4-5. Available from: PubMed; PMID 16798286
- de Zegher F, Ibanez L. Early Origins of polycystic ovary syndrome: hypotheses may change without notice. *J Clin Endocrinol Metab.* 2009 Oct;94(10):3682-5. Available from: PubMed; PMID 19808859
- de Zegher F, Lopez-Bermejo A, Ibanez L. Adipose tissue expandability and the early origins of PCOS. *Trends Endocrinol Metab.* 2009 Nov;20(9):418-23. Available from: PubMed; PMID 19796964
- Dehbashi S, Vafaei H, Parsanezhad MD, Alborzi S. Time of initiation of clomiphene citrate and pregnancy rate in polycystic ovarian syndrome. *Int J Gynaecol Obstet.* 2006 Apr;93(1):44-8. Available from: PubMed; PMID 16530767
- Demissie YN, Fiad TM, Klemm K, Twfeeg A, Al-Amoudi A, Meer L, Elhadd TA. Spontaneous singleton and twin pregnancy in two patients with polycystic ovary syndrome and type 2 diabetes following treatment with metformin combined with rosiglitazone. *Ann Saudi Med.* 2006 Jul-Aug;26(4):296-9. Available from: PubMed; PMID 16883081
- Desforges-Bullet V, Gallo C, Lefebvre C, Pigny P, Dewailly D, Catteau-Jonard S. Increased anti-Mullerian hormone and decreased FSH levels in follicular fluid obtained in women with polycystic ovaries at the time of follicle puncture for in vitro fertilization. *Fertil Steril.* 2010 Jun;94(1):198-204. Available from: PubMed; PMID 19361798
- Dhindsa G, Bhatia R, Dhindsa M, Bhatia V. Insulin resistance, insulin sensitization and inflammation in polycystic ovarian syndrome. *J Postgrad Med.* 2004 Apr-Jun;50(2):140-4. Available from: PubMed; PMID 15235215
- Diamanti-Kandarakis E, Zapanti E. Insulin sensitizers and antiandrogens in the treatment of polycystic ovary syndrome. *Ann N Y Acad Sci.* 2000;900:203-12. Available from: PubMed; PMID 10818407
- Diamanti-Kandarakis E, Xyrafis X, Boutzios G, Christakou C. Pancreatic beta-cells dysfunction in polycystic ovary syndrome. *Panminerva Med.* 2008 Dec;50(4):315-25. Available from: PubMed; PMID 19078872
- Diamanti-Kandarakis E, Christakou CD, Kandaraki E, Economou FN. Metformin: an old medication of new fashion: evolving new molecular mechanisms and clinical implications in polycystic ovary syndrome. *Eur J Endocrinol.* 2010 Feb;162(2):193-212. Available from: PubMed; PMID 19841045
- Diamanti-Kandarakis E, Economou F, Palimeri S, Christakou C. Metformin in polycystic ovary syndrome.

- Ann N Y Acad Sci. 2010 Sep;1205:192-8. Available from: PubMed; PMID 20840272
- Diamond MP, Kruger M, Santoro N, Zhang H, Casson P, Schlaff W, Coutifaris C, Brzyski R, Christman G, Carr BR, McGovern PG, Cataldo NA, Steinkampf MP, Gosman GG, Nestler JE, Carson S, Myers EE, Eisenberg E, Legro RS. Endometrial shedding effect on conception and live birth in women with polycystic ovary syndrome. *Obstet Gynecol*. 2012 May;119(5):902-8. Available from: PubMed; PMID 22525900
- Diejomaoh M, Jirous J, Al-Azemi M, Baig S, Gupta M, Tallat A. The relationship of recurrent spontaneous miscarriage with reproductive failure. *Med Princ Pract*. 2003 Apr-Jun;12(2):107-11. Available from: PubMed; PMID 12634466
- Dmitrovic R, Katcher HI, Kunselman AR, Legro RS. Continuous glucose monitoring during pregnancy in women with polycystic ovary syndrome. *Obstet Gynecol*. 2011 Oct;118(4):878-85. Available from: PubMed; PMID 21934452
- Drife J, Kunzel W. Editors' highlights. *Eur J Obstet Gynecol Reprod Biol*. 2008 Jul;139(1):1-2. Available from: PubMed; PMID 18565640
- Duleba AJ, Banaszewska B, Spaczynski RZ, Pawelczyk L. Success of laparoscopic ovarian wedge resection is related to obesity, lipid profile, and insulin levels. *Fertil Steril*. 2003 Apr;79(4):1008-14. Available from: PubMed; PMID 12749446
- DuRant EM, Leslie NS, Critch EA. Managing polycystic ovary syndrome: a cognitive behavioral strategy. *Nurs Womens Health*. 2009 Aug;13(4):292-300. Available from: PubMed; PMID 19686552
- Duranteau L, Lefevre P, Jeandidier N, Simon T, Christin-Maitre S. Should physicians prescribe metformin to women with polycystic ovary syndrome PCOS? *Ann Endocrinol (Paris)*. 2010 Feb;71(1):25-7. Available from: PubMed; PMID 20079483
- Eckmann KR, Kockler DR. Aromatase inhibitors for ovulation and pregnancy in polycystic ovary syndrome. *Ann Pharmacother*. 2009 Jul;43(7):1338-46. Available from: PubMed; PMID 19584394
- Eftekhar M, Khalili MA, Aflatoonian A, Esfandiari N. Successful pregnancy following a novel endometrial preparation in a PCOS patient undergoing IVM: a case report. *J Assist Reprod Genet*. 2012 Apr;29(4):335-6. Available from: PubMed; PMID 22350529
- Egbase PE, Al-Sharhan M, Grudzinskas JG. 'Early coasting' in patients with polycystic ovarian syndrome is consistent with good clinical outcome. *Hum Reprod*. 2002 May;17(5):1212-6. Available from: PubMed; PMID 11980740
- Eggers S, Hashimoto DM, Kirchengast S. An evolutionary approach to explain the high frequency of the polycystic ovary syndrome (PCOS). *Anthropol Anz*. 2007 Jun;65(2):169-79. Available from: PubMed; PMID 17711149
- Eilertsen TB, Vanky E, Carlsen SM. Increased prevalence of diabetes and polycystic ovary syndrome in women with a history of preterm birth: a case-control study. *BJOG*. 2012 Feb;119(3):266-75. Available from: PubMed; PMID 22168920
- Elhadd TA, Fiad T, Meer L. Ovarian stockpiling in polycystic ovary syndrome, infertility, and the combined use of rosiglitazone and metformin. *Diabetes Care*. 2006 Oct;29(10):2330-1. Available from: PubMed; PMID 17003323
- Elkind-Hirsch KE, Webster BW, Brown CP, Vernon MW. Concurrent ganirelix and follitropin beta therapy is an effective and safe regimen for ovulation induction in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Mar;79(3):603-7. Available from: PubMed; PMID 12620447
- Elmashad AI. Impact of laparoscopic ovarian drilling on anti-Mullerian hormone levels and ovarian stromal blood flow using three-dimensional power Doppler in women with anovulatory polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):2342-6. Available from: PubMed; PMID 21514928
- Elnashar A, Abdelmageed E, Fayed M, Sharaf M. Clomiphene citrate and dexamethazone in treatment of clomiphene citrate-resistant polycystic ovary syndrome: a prospective placebo-controlled study. *Hum Reprod*. 2006 Jul;21(7):1805-8. Available from: PubMed; PMID 16543255
- Elnashar A, Fouad H, Eldosoky M, Saeid N. Letrozole induction of ovulation in women with clomiphene citrate-resistant polycystic ovary syndrome may not depend on the period of infertility, the body mass index, or the luteinizing hormone/follicle-stimulating hormone ratio. *Fertil Steril*. 2006 Feb;85(2):511-3. Available from: PubMed; PMID 16595244
- El-Sheikh MM, Hussein M, Fouad S, El-Sheikh R, Bauer O, Al-Hasani S. Limited ovarian stimulation (LOS), prevents the recurrence of severe forms of ovarian hyperstimulation syndrome in polycystic ovarian disease. *Eur J Obstet Gynecol Reprod Biol*. 2001 Feb;94(2):245-9. Available from: PubMed; PMID 11165733
- El-Sheikh MM, Sehly N, Al Mesiry W, Fouad S. Oocytes collected 60 hours after human chorionic gonadotropin administration from patients with polycystic ovary syndrome who underwent limited ovarian stimulation resulted in clinical pregnancies and the delivery of a healthy baby. *Fertil Steril*. 2005 Dec;84(6):1758-61. Available from: PubMed; PMID 16359985

- Elting MW, Korsen TJ, Rekers-Mombarg LT, Schoemaker J. Women with polycystic ovary syndrome gain regular menstrual cycles when ageing. *Hum Reprod.* 2000 Jan;15(1):24-8. Available from: PubMed; PMID 10611183
- Engmann L, Siano L, Schmidt D, Nulsen J, Maier D, Benadiva C. GnRH agonist to induce oocyte maturation during IVF in patients at high risk of OHSS. *Reprod Biomed Online.* 2006 Nov;13(5):639-44. Available from: PubMed; PMID 17169172
- Ercan CM, Duru NK, Sakinci M, Alanbay I, Karasahin KE, Baser I. Successful twin pregnancy achieved by assisted reproductive technology in a patient with polycystic ovary syndrome with complex atypical endometrial hyperplasia treated with levonorgestrel-releasing intrauterine system. *Gynecol Endocrinol.* 2010 Feb;26(2):125-8. Available from: PubMed; PMID 20074021
- Ernst CL, Goldberg JF. The reproductive safety profile of mood stabilizers, atypical antipsychotics, and broad-spectrum psychotropics. *J Clin Psychiatry.* 2002;63 Suppl 4:42-55. Available from: PubMed; PMID 11913676
- Ertunc D, Tok EC, Savas A, Ozturk I, Dilek S. Gonadotropin-releasing hormone antagonist use in controlled ovarian stimulation and intrauterine insemination cycles in women with polycystic ovary syndrome. *Fertil Steril.* 2010 Mar 1;93(4):1179-84. Available from: PubMed; PMID 19200979
- Esinler I, Bayar U, Bozdag G, Yarali H. Outcome of intracytoplasmic sperm injection in patients with polycystic ovary syndrome or isolated polycystic ovaries. *Fertil Steril.* 2005 Oct;84(4):932-7. Available from: PubMed; PMID 16213846
- Esmailzadeh S, Faramarzi M, Jorsarai G. Comparison of in vitro fertilization outcome in women with and without sonographic evidence of polycystic ovarian morphology. *Eur J Obstet Gynecol Reprod Biol.* 2005 Jul 1;121(1):67-70. Available from: PubMed; PMID 15989985
- Essah PA, Cheang KI, Nestler JE. The pathophysiology of miscarriage in women with polycystic ovary syndrome. Review and proposed hypothesis of mechanisms involved. *Hormones (Athens).* 2004 Oct-Dec;3(4):221-7. Available from: PubMed; PMID 16982596
- Falbo A, Rocca M, Russo T, D'Ettore A, Tolino A, Zullo F, Orio F, Palomba S. Changes in androgens and insulin sensitivity indexes throughout pregnancy in women with polycystic ovary syndrome (PCOS): relationships with adverse outcomes. *J Ovarian Res.* 2010;3:23. Available from: PubMed; PMID 20942923
- Falhammar H, Thoren M, Hagenfeldt K. A 31-year-old woman with infertility and polycystic ovaries diagnosed with non-classic congenital adrenal hyperplasia due to a novel CYP21 mutation. *J Endocrinol Invest.* 2008 Feb;31(2):176-80. Available from: PubMed; PMID 18362511
- Fan P, Liu HW, Wan DH, Li Y, Song Q, Bai H. Altered distribution of plasma platelet-activating factor acetylhydrolase between high-density lipoprotein and low-density lipoprotein in patients with polycystic ovary syndrome. *Fertil Steril.* 2009 Dec;92(6):2054-7. Available from: PubMed; PMID 19596311
- Farhi J, Orvieto R, Gavish O, Homburg R. The association between follicular size on human chorionic gonadotropin day and pregnancy rate in clomiphene citrate treated polycystic ovary syndrome patients. *Gynecol Endocrinol.* 2010 Jul;26(7):546-8. Available from: PubMed; PMID 20218821
- Farhi J, Orvieto R, Homburg R. Administration of clomiphene citrate in patients with polycystic ovary syndrome, without inducing withdrawal bleeding, achieves comparable treatment characteristics and outcome. *Fertil Steril.* 2010 Apr;93(6):2077-9. Available from: PubMed; PMID 19732872
- Farhi J, Sapir O, Maman M, Fisch B, Ben-Haroush A. Novel protocol for scheduling oocyte retrieval in IVF cycles in PCOS patients: a case series. *Reprod Biomed Online.* 2011 Dec;23(6):765-8. Available from: PubMed; PMID 22019619
- Farquhar C, Vandekerckhove P, Arnot M, Lilford R. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD001122. Available from: PubMed; PMID 10796746
- Farquhar C, Vandekerckhove P, Lilford R. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2001 (4):CD001122. Available from: PubMed; PMID 11687100
- Farquhar CM, Williamson K, Gudex G, Johnson NP, Garland J, Sadler L. A randomized controlled trial of laparoscopic ovarian diathermy versus gonadotropin therapy for women with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril.* 2002 Aug;78(2):404-11. Available from: PubMed; PMID 12137881
- Farquhar CM, Williamson K, Brown PM, Garland J. An economic evaluation of laparoscopic ovarian diathermy versus gonadotrophin therapy for women with clomiphene citrate resistant polycystic ovary syndrome. *Hum Reprod.* 2004 May;19(5):1110-5. Available from: PubMed; PMID 15070878
- Farquhar C, Lilford RJ, Marjoribanks J, Vandekerckhove P. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2005 (3):CD001122. Available from: PubMed; PMID 16034856

- Farquhar CM. An economic evaluation of laparoscopic ovarian diathermy versus gonadotrophin therapy for women with clomiphene citrate-resistant polycystic ovarian syndrome. *Curr Opin Obstet Gynecol*. 2005 Aug;17(4):347-53. Available from: PubMed; PMID 15976539
- Farquhar C, Lilford RJ, Marjoribanks J, Vandekerckhove P. Laparoscopic 'drilling' by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2007 (3):CD001122. Available from: PubMed; PMID 17636653
- Farquhar C, Brown J, Marjoribanks J. Laparoscopic drilling by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2012;6:CD001122. Available from: PubMed; PMID 22696324
- Faucher MA. Closer surveillance in pregnancy for women with polycystic ovary syndrome may be merited. *J Midwifery Womens Health*. 2012 Mar-Apr;57(2):202-3. Available from: PubMed; PMID 22432496
- Fauser BC, Eijkemans MJ. Predicting pregnancy in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2009 Sep;94(9):3183-4. Available from: PubMed; PMID 19734445
- Fauser BC, Tarlatzis BC, Rebar RW, Legro RS, Balen AH, Lobo R, Carmina E, Chang J, Yildiz BO, Laven JS, Boivin J, Petraglia F, Wijeyeratne CN, Norman RJ, Dunaif A, Franks S, Wild RA, Dumesic D, Barnhart K. Consensus on women's health aspects of polycystic ovary syndrome (PCOS): the Amsterdam ESHRE/ASRM-Sponsored 3rd PCOS Consensus Workshop Group. *Fertil Steril*. 2012 Jan;97(1):28-38 e25. Available from: PubMed; PMID 22153789
- Fedorcsak P, Dale PO, Storeng R, Tanbo T, Abyholm T. The impact of obesity and insulin resistance on the outcome of IVF or ICSI in women with polycystic ovarian syndrome. *Hum Reprod*. 2001 Jun;16(6):1086-91. Available from: PubMed; PMID 11387273
- Felemban A, Tan SL, Tulandi T. Laparoscopic treatment of polycystic ovaries with insulated needle cautery: a reappraisal. *Fertil Steril*. 2000 Feb;73(2):266-9. Available from: PubMed; PMID 10685526
- Fernandez H, Alby JD, Gervaise A, de Tayrac R, Frydman R. Operative transvaginal hydrolaparoscopy for treatment of polycystic ovary syndrome: a new minimally invasive surgery. *Fertil Steril*. 2001 Mar;75(3):607-11. Available from: PubMed; PMID 11239549
- Fernandez H, Morin-Surruca M, Torre A, Faivre E, Deffieux X, Gervaise A. Ovarian drilling for surgical treatment of polycystic ovarian syndrome: a comprehensive review. *Reprod Biomed Online*. 2011 Jun;22(6):556-68. Available from: PubMed; PMID 21511534
- Ferraretti AP, Gianaroli L, Magli MC, Iammarrone E, Feliciani E, Fortini D. Transvaginal ovarian drilling: a new surgical treatment for improving the clinical outcome of assisted reproductive technologies in patients with polycystic ovary syndrome. *Fertil Steril*. 2001 Oct;76(4):812-6. Available from: PubMed; PMID 11591418
- Fica S, Albu A, Constantin M, Dobri GA. Insulin resistance and fertility in polycystic ovary syndrome. *J Med Life*. 2008 Oct-Dec;1(4):415-22. Available from: PubMed; PMID 20108521
- Fleming R. The use of insulin sensitising agents in ovulation induction in women with polycystic ovary syndrome. *Hormones (Athens)*. 2006 Jul-Sep;5(3):171-8. Available from: PubMed; PMID 16950750
- Flyckt RL, Goldberg JM. Laparoscopic ovarian drilling for clomiphene-resistant polycystic ovary syndrome. *Semin Reprod Med*. 2011 Mar;29(2):138-46. Available from: PubMed; PMID 21437828
- Forsdike RA, Hardy K, Bull L, Stark J, Webber LJ, Stubbs S, Robinson JE, Franks S. Disordered follicle development in ovaries of prenatally androgenized ewes. *J Endocrinol*. 2007 Feb;192(2):421-8. Available from: PubMed; PMID 17283242
- Fougner KJ, Vanky E, Carlsen SM. Metformin has no major effects on glucose homeostasis in pregnant women with PCOS: results of a randomized double-blind study. *Scand J Clin Lab Invest*. 2008;68(8):771-6. Available from: PubMed; PMID 18651320
- Franks S, Roberts R, Hardy K. Gonadotrophin regimens and oocyte quality in women with polycystic ovaries. *Reprod Biomed Online*. 2003 Mar;6(2):181-4. Available from: PubMed; PMID 12675997
- Franks S, Berga SL. Does PCOS have developmental origins? *Fertil Steril*. 2012 Jan;97(1):2-6. Available from: PubMed; PMID 22192134
- Fraser IS, Kovacs G. Current recommendations for the diagnostic evaluation and follow-up of patients presenting with symptomatic polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):813-23. Available from: PubMed; PMID 15380149
- Frederick J, DaCosta V, Wynter S, Reid M, Frederick C, McKenzie C. Effect of the oral contraceptive pill on patients undergoing controlled ovarian hyperstimulation. *West Indian Med J*. 2004 Jan;53(1):39-43. Available from: PubMed; PMID 15114893
- Furuhashi M, Suganuma N, Nishimori K. Successful pregnancy in a patient having high basal serum levels of sex steroid hormones. *Arch Gynecol Obstet*. 2002 Nov;267(1):46-8. Available from: PubMed; PMID 12410375

- Gada D. Luteal-phase clomiphene citrate in PCOS. *Fertil Steril*. 2009 Oct;92(4):e51; author reply e2. Available from: PubMed; PMID 19700147
- Gambineri A, Pelusi C, Manicardi E, Vicennati V, Cacciari M, Morselli-Labate AM, Pagotto U, Pasquali R. Glucose intolerance in a large cohort of mediterranean women with polycystic ovary syndrome: phenotype and associated factors. *Diabetes*. 2004 Sep;53(9):2353-8. Available from: PubMed; PMID 15331545
- Ganesh A, Goswami SK, Chattopadhyay R, Chaudhury K, Chakravarty B. Comparison of letrozole with continuous gonadotropins and clomiphene-gonadotropin combination for ovulation induction in 1387 PCOS women after clomiphene citrate failure: a randomized prospective clinical trial. *J Assist Reprod Genet*. 2009 Jan;26(1):19-24. Available from: PubMed; PMID 19127427
- Ge HS, Huang XF, Zhang W, Zhao JZ, Lin JJ, Zhou W. Exposure to human chorionic gonadotropin during in vitro maturation does not improve the maturation rate and developmental potential of immature oocytes from patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Jan;89(1):98-103. Available from: PubMed; PMID 17524398
- Genazzani AD, Ricchieri F, Lanzoni C. Use of metformin in the treatment of polycystic ovary syndrome. *Womens Health (Lond Engl)*. 2010 Jul;6(4):577-93. Available from: PubMed; PMID 20597621
- George SS, George K, Irwin C, Job V, Selvakumar R, Jeyaseelan V, Seshadri MS. Sequential treatment of metformin and clomiphene citrate in clomiphene-resistant women with polycystic ovary syndrome: a randomized, controlled trial. *Hum Reprod*. 2003 Feb;18(2):299-304. Available from: PubMed; PMID 12571165
- Gerli S, Casini ML, Unfer V, Costabile L, Mignosa M, Di Renzo GC. Ovulation induction with urinary FSH or recombinant FSH in polycystic ovary syndrome patients: a prospective randomized analysis of cost-effectiveness. *Reprod Biomed Online*. 2004 Nov;9(5):494-9. Available from: PubMed; PMID 15588465
- Ghazeeri G, Kutteh WH, Bryer-Ash M, Haas D, Ke RW. Effect of rosiglitazone on spontaneous and clomiphene citrate-induced ovulation in women with polycystic ovary syndrome. *Fertil Steril*. 2003 Mar;79(3):562-6. Available from: PubMed; PMID 12620440
- Ghazeeri GS, Nassar AH, Younes Z, Awwad JT. Pregnancy outcomes and the effect of metformin treatment in women with polycystic ovary syndrome: an overview. *Acta Obstet Gynecol Scand*. 2012 Jun;91(6):658-78. Available from: PubMed; PMID 22375613
- Gilbert C, Valois M, Koren G. Pregnancy outcome after first-trimester exposure to metformin: a meta-analysis. *Fertil Steril*. 2006 Sep;86(3):658-63. Available from: PubMed; PMID 16879826
- Gill S, Taylor AE, Martin KA, Welt CK, Adams JM, Hall JE. Specific factors predict the response to pulsatile gonadotropin-releasing hormone therapy in polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2001 Jun;86(6):2428-36. Available from: PubMed; PMID 11397835
- Giudice LC. Endometrium in PCOS: Implantation and predisposition to endocrine CA. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):235-44. Available from: PubMed; PMID 16772154
- Gleicher N, Weghofer A, Lee IH, Barad DH. FMR1 genotype with autoimmunity-associated polycystic ovary-like phenotype and decreased pregnancy chance. *PLoS One*. 2010;5(12):e15303. Available from: PubMed; PMID 21179569
- Glover J. Reproductive endocrinology: adverse pregnancy outcomes in polycystic ovary syndrome. *Nat Rev Endocrinol*. 2012 Jan;8(1):2. Available from: PubMed; PMID 22064500
- Glueck CJ, Awadalla SG, Phillips H, Cameron D, Wang P, Fontaine RN. Polycystic ovary syndrome, infertility, familial thrombophilia, familial hypofibrinolysis, recurrent loss of in vitro fertilized embryos, and miscarriage. *Fertil Steril*. 2000 Aug;74(2):394-7. Available from: PubMed; PMID 10927066
- Glueck CJ, Phillips H, Cameron D, Sieve-Smith L, Wang P. Continuing metformin throughout pregnancy in women with polycystic ovary syndrome appears to safely reduce first-trimester spontaneous abortion: a pilot study. *Fertil Steril*. 2001 Jan;75(1):46-52. Available from: PubMed; PMID 11163815
- Glueck CJ, Streicher P, Wang P. Treatment of polycystic ovary syndrome with insulin-lowering agents. *Expert Opin Pharmacother*. 2002 Aug;3(8):1177-89. Available from: PubMed; PMID 12150695
- Glueck CJ, Wang P, Goldenberg N, Sieve-Smith L. Pregnancy outcomes among women with polycystic ovary syndrome treated with metformin. *Hum Reprod*. 2002 Nov;17(11):2858-64. Available from: PubMed; PMID 12407039
- Glueck CJ, Wang P, Kobayashi S, Phillips H, Sieve-Smith L. Metformin therapy throughout pregnancy reduces the development of gestational diabetes in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Mar;77(3):520-5. Available from: PubMed; PMID 11872206
- Glueck CJ, Wang P, Bornovali S, Goldenberg N, Sieve L. Polycystic ovary syndrome, the G1691A factor V Leiden mutation, and plasminogen activator inhibitor activity: associations with recurrent pregnancy loss. *Metabolism*. 2003 Dec;52(12):1627-32. Available from: PubMed; PMID 14669168

Glueck CJ, Bornovoli S, Pranikoff J, Goldenberg N, Dharashivkar S, Wang P. Metformin, pre-eclampsia, and pregnancy outcomes in women with polycystic ovary syndrome. *Diabet Med*. 2004 Aug;21(8):829-36. Available from: PubMed; PMID 15270785

Glueck CJ, Goldenberg N, Pranikoff J, Loftspring M, Sieve L, Wang P. Height, weight, and motor-social development during the first 18 months of life in 126 infants born to 109 mothers with polycystic ovary syndrome who conceived on and continued metformin through pregnancy. *Hum Reprod*. 2004 Jun;19(6):1323-30. Available from: PubMed; PMID 15117896

Glueck CJ, Goldenberg N, Wang P, Loftspring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. *Hum Reprod*. 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944

Glueck CJ, Wang P, Goldenberg N, Sieve L. Pregnancy loss, polycystic ovary syndrome, thrombophilia, hypofibrinolysis, enoxaparin, metformin. *Clin Appl Thromb Hemost*. 2004 Oct;10(4):323-34. Available from: PubMed; PMID 15497018

Glueck CJ, Aregawi D, Goldenberg N, Golnik KC, Sieve L, Wang P. Idiopathic intracranial hypertension, polycystic-ovary syndrome, and thrombophilia. *J Lab Clin Med*. 2005 Feb;145(2):72-82. Available from: PubMed; PMID 15746649

Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. *MedGenMed*. 2005;7(4):41. Available from: PubMed; PMID 16614663

Glueck CJ, Salehi M, Sieve L, Wang P. Growth, motor, and social development in breast- and formula-fed infants of metformin-treated women with polycystic ovary syndrome. *J Pediatr*. 2006 May;148(5):628-32. Available from: PubMed; PMID 16737874

Glueck CJ, Sieve L, Zhu B, Wang P. Plasminogen activator inhibitor activity, 4G5G polymorphism of the plasminogen activator inhibitor 1 gene, and first-trimester miscarriage in women with polycystic ovary syndrome. *Metabolism*. 2006 Mar;55(3):345-52. Available from: PubMed; PMID 16483878

Glueck CJ, Wang P. Metformin before and during pregnancy and lactation in polycystic ovary syndrome. *Expert Opin Drug Saf*. 2007 Mar;6(2):191-8. Available from: PubMed; PMID 17367265

Glueck CJ, Goldenberg N, Sieve L, Wang P. An observational study of reduction of insulin resistance and prevention of development of type 2 diabetes mellitus in women with polycystic ovary syndrome treated with metformin and diet. *Metabolism*. 2008 Jul;57(7):954-60. Available from: PubMed; PMID 18555837

Glueck CJ, Pranikoff J, Aregawi D, Wang P. Prevention of gestational diabetes by metformin plus diet in patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Mar;89(3):625-34. Available from: PubMed; PMID 17678910

Godin PA, Gaspard O, Thonon F, Jouan C, Wijzen F, Dubois M, Foidart JM. Twin pregnancy obtained with frozen-thawed embryos after in vitro maturation in a patient with polycystic ovarian syndrome. *J Assist Reprod Genet*. 2003 Aug;20(8):347-50. Available from: PubMed; PMID 12948099

Godinjak Z, Javoric R. Clinical outcome and hormone profiles before and after laparoscopic electroincision of the ovaries in women with polycystic ovary syndrome. *Bosn J Basic Med Sci*. 2007 May;7(2):171-5. Available from: PubMed; PMID 17489756

Goldenberg N, Glueck C. Medical therapy in women with polycystic ovarian syndrome before and during pregnancy and lactation. *Minerva Ginecol*. 2008 Feb;60(1):63-75. Available from: PubMed; PMID 18277353

Gomel V, Yarali H. Surgical treatment of polycystic ovary syndrome associated with infertility. *Reprod Biomed Online*. 2004 Jul;9(1):35-42. Available from: PubMed; PMID 15257815

Gordts S, Gordts S, Puttemans P, Valkenburg M, Campo R, Brosens I. Transvaginal hydrolaparoscopy in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):2520-6. Available from: PubMed; PMID 18710707

Gorry A, White DM, Franks S. Infertility in polycystic ovary syndrome: focus on low-dose gonadotropin treatment. *Endocrine*. 2006 Aug;30(1):27-33. Available from: PubMed; PMID 17185789

Gremeau AS, Andreadis N, Fatum M, Craig J, Turner K, McVeigh E, Child T. In vitro maturation or in vitro fertilization for women with polycystic ovaries? A case-control study of 194 treatment cycles. *Fertil Steril*. 2012 Aug;98(2):355-60. Available from: PubMed; PMID 22658347

Guido M, Belosi C, Selvaggi L, Lattanzi F, Apa R, Fulghesu AM, Lanzone A. The effect of age on the ovarian response to gonadotropin and on pregnancy rate in polycystic ovary syndrome. *Gynecol Endocrinol*. 2003 Jun;17(3):215-21. Available from: PubMed; PMID 12857429

- Guido M, Romualdi D, Belosi C, Selvaggi L, Lanzone A. Longitudinal metabolic observation of metformin effects during pregnancy in hyperinsulinemic women with polycystic ovary syndrome: a case report. *J Endocrinol Invest.* 2004 Jan;27(1):70-5. Available from: PubMed; PMID 15053248
- Gulekli B, Kovali M, Aydinler F, Dogan S, Dogan SS. IVM is an alternative for patients with PCO after failed conventional IVF attempt. *J Assist Reprod Genet.* 2011 Jun;28(6):495-9. Available from: PubMed; PMID 21647639
- Gurgan T, Demiroglu A, Guven S, Benkhalifa M, Girgin B, Li TC. Intravenous calcium infusion as a novel preventive therapy of ovarian hyperstimulation syndrome for patients with polycystic ovarian syndrome. *Fertil Steril.* 2011 Jul;96(1):53-7. Available from: PubMed; PMID 21621772
- Guzick DS. Polycystic ovary syndrome. *Obstet Gynecol.* 2004 Jan;103(1):181-93. Available from: PubMed; PMID 14704263
- Guzick DS. Ovulation induction management of PCOS. *Clin Obstet Gynecol.* 2007 Mar;50(1):255-67. Available from: PubMed; PMID 17304040
- Guzick DS. Treating the polycystic ovary syndrome the old-fashioned way. *N Engl J Med.* 2007 Feb 8;356(6):622-4. Available from: PubMed; PMID 17287483
- Guzman L, Ortega-Hrepich C, Albuz FK, Verheyen G, Devroey P, Smits J, De Vos M. Developmental capacity of in vitro-matured human oocytes retrieved from polycystic ovary syndrome ovaries containing no follicles larger than 6 mm. *Fertil Steril.* 2012 Aug;98(2):503-7 e1-2. Available from: PubMed; PMID 22365339
- Haakova L, Cibula D, Rezabek K, Hill M, Fanta M, Zivny J. Pregnancy outcome in women with PCOS and in controls matched by age and weight. *Hum Reprod.* 2003 Jul;18(7):1438-41. Available from: PubMed; PMID 12832369
- Haddad GF, Jodicke C, Thomas MA, Williams DB, Aubuchon M. Case series of rosiglitazone used during the first trimester of pregnancy. *Reprod Toxicol.* 2008 Oct;26(2):183-4. Available from: PubMed; PMID 18762242
- Haimov-Kochman R, Imbar T, Farchat M, Bdolah Y, Hurwitz A. Adolescent infertility--to treat or not to treat. *Fertil Steril.* 2008 Nov;90(5):2009 e1-4. Available from: PubMed; PMID 18440000
- Haller K, Mathieu C, Rull K, Matt K, Bene MC, Uibo R. IgG, IgA and IgM antibodies against FSH: serological markers of pathogenic autoimmunity or of normal immunoregulation? *Am J Reprod Immunol.* 2005 Nov;54(5):262-9. Available from: PubMed; PMID 16212648
- Hamed HO, Hasan AF, Ahmed OG, Ahmed MA. Metformin versus laparoscopic ovarian drilling in clomiphene- and insulin-resistant women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2010 Feb;108(2):143-7. Available from: PubMed; PMID 19892338
- Hammadeh ME, Fischer-Hammadeh C, Hoffmeister H, Huebner U, Georg T, Rosenbaum P, Schmidt W. Fibroblast growth factor (FGF), intracellular adhesion molecule (sICAM-1) level in serum and follicular fluid of infertile women with polycystic ovarian syndrome, endometriosis and tubal damage, and their effect on ICSI outcome. *Am J Reprod Immunol.* 2003 Aug;50(2):124-30. Available from: PubMed; PMID 12846675
- Han AR, Kim HO, Cha SW, Park CW, Kim JY, Yang KM, Song IO, Koong MK, Kang IS. Adverse pregnancy outcomes with assisted reproductive technology in non-obese women with polycystic ovary syndrome: a case-control study. *Clin Exp Reprod Med.* 2011 Jun;38(2):103-8. Available from: PubMed; PMID 22384427
- Hara S, Takahashi T, Amita M, Igarashi H, Kurachi H. Usefulness of bezafibrate for ovulation induction in clomiphene citrate-resistant polycystic ovary syndrome patients with dyslipidemia: a prospective pilot study of seven cases. *Gynecol Obstet Invest.* 2010;70(3):166-72. Available from: PubMed; PMID 20558990
- Hardiman P, Pillay OC, Atiomo W. Polycystic ovary syndrome and endometrial carcinoma. *Lancet.* 2003 May 24;361(9371):1810-2. Available from: PubMed; PMID 12781553
- Hart R, Norman R. Polycystic ovarian syndrome--prognosis and outcomes. *Best Pract Res Clin Obstet Gynaecol.* 2006 Oct;20(5):751-78. Available from: PubMed; PMID 16766228
- Hart R. Polycystic ovarian syndrome--prognosis and treatment outcomes. *Curr Opin Obstet Gynecol.* 2007 Dec;19(6):529-35. Available from: PubMed; PMID 18007129
- Hart R. PCOS and infertility. *Panminerva Med.* 2008 Dec;50(4):305-14. Available from: PubMed; PMID 19078871
- Hart R, Sloboda DM, Doherty DA, Norman RJ, Atkinson HC, Newnham JP, Dickinson JE, Hickey M. Circulating maternal testosterone concentrations at 18 weeks of gestation predict circulating levels of antimüllerian hormone in adolescence: a prospective cohort study. *Fertil Steril.* 2010 Sep;94(4):1544-7. Available from: PubMed; PMID 20153853
- Hashimoto S, Fukuda A, Murata Y, Kikkawa M, Oku H, Kanaya H, Sonoda M, Sugihara K, Murata T, Nagata F, Nakaoaka Y, Morimoto Y. Effect of aspiration vacuum on the developmental competence of immature human oocytes retrieved using a 20-gauge needle. *Reprod Biomed Online.*

2007 Apr;14(4):444-9. Available from: PubMed; PMID 17425825

Hassan MA, Killick SR. Ultrasound diagnosis of polycystic ovaries in women who have no symptoms of polycystic ovary syndrome is not associated with subfecundity or subfertility. *Fertil Steril*. 2003 Oct;80(4):966-75. Available from: PubMed; PMID 14556819

Hatzirodos N, Bayne RA, Irving-Rodgers HF, Hummitzsch K, Sabatier L, Lee S, Bonner W, Gibson MA, Rainey WE, Carr BR, Mason HD, Reinhardt DP, Anderson RA, Rodgers RJ. Linkage of regulators of TGF-beta activity in the fetal ovary to polycystic ovary syndrome. *FASEB J*. 2011 Jul;25(7):2256-65. Available from: PubMed; PMID 21411746

He D, Jiang F. Meta-analysis of letrozole versus clomiphene citrate in polycystic ovary syndrome. *Reprod Biomed Online*. 2011 Jul;23(1):91-6. Available from: PubMed; PMID 21550852

Heard MJ, Pierce A, Carson SA, Buster JE. Pregnancies following use of metformin for ovulation induction in patients with polycystic ovary syndrome. *Fertil Steril*. 2002 Apr;77(4):669-73. Available from: PubMed; PMID 11937113

Heijnen EM, Eijkemans MJ, Hughes EG, Laven JS, Macklon NS, Fauser BC. A meta-analysis of outcomes of conventional IVF in women with polycystic ovary syndrome. *Hum Reprod Update*. 2006 Jan-Feb;12(1):13-21. Available from: PubMed; PMID 16123051

Hickey M, Sloboda DM, Atkinson HC, Doherty DA, Franks S, Norman RJ, Newnham JP, Hart R. The relationship between maternal and umbilical cord androgen levels and polycystic ovary syndrome in adolescence: a prospective cohort study. *J Clin Endocrinol Metab*. 2009 Oct;94(10):3714-20. Available from: PubMed; PMID 19567524

Hirschberg AL. Polycystic ovary syndrome, obesity and reproductive implications. *Womens Health (Lond Engl)*. 2009 Sep;5(5):529-40; quiz 41-2. Available from: PubMed; PMID 19702452

Hizli D, Kosus A, Kosus N, Kamalak Z, Ak D, Turhan NO. The impact of birth weight and maternal history on acne, hirsutism, and menstrual disorder symptoms in Turkish adolescent girls. *Endocrine*. 2012 Jun;41(3):473-8. Available from: PubMed; PMID 22173824

Hoeger KM. Polycystic ovary syndrome, inflammation, and statins: do we have the right target? *J Clin Endocrinol Metab*. 2009 Jan;94(1):35-7. Available from: PubMed; PMID 19126632

Hogeveen KN, Cousin P, Pugeat M, Dewailly D, Soudan B, Hammond GL. Human sex hormone-binding globulin variants associated with hyperandrogenism and ovarian

dysfunction. *J Clin Invest*. 2002 Apr;109(7):973-81. Available from: PubMed; PMID 11927624

Hogg K, Young JM, Oliver EM, Souza CJ, McNeilly AS, Duncan WC. Enhanced thecal androgen production is prenatally programmed in an ovine model of polycystic ovary syndrome. *Endocrinology*. 2012 Jan;153(1):450-61. Available from: PubMed; PMID 22087026

Holte J, Brodin T, Berglund L, Hadziosmanovic N, Olovsson M, Bergh T. Antral follicle counts are strongly associated with live-birth rates after assisted reproduction, with superior treatment outcome in women with polycystic ovaries. *Fertil Steril*. 2011 Sep;96(3):594-9. Available from: PubMed; PMID 21880276

Homburg R. Pregnancy complications in PCOS. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):281-92. Available from: PubMed; PMID 16772158

Homburg R, Pap H, Brandes M, Huirne J, Hompes P, Lambalk CB. Endometrial biopsy during induction of ovulation with clomiphene citrate in polycystic ovary syndrome. *Gynecol Endocrinol*. 2006 Sep;22(9):506-10. Available from: PubMed; PMID 17071535

Homburg R. Androgen circle of polycystic ovary syndrome. *Hum Reprod*. 2009 Jul;24(7):1548-55. Available from: PubMed; PMID 19279033

Homburg R, Hendriks ML, Konig TE, Anderson RA, Balen AH, Brincat M, Child T, Davies M, D'Hooghe T, Martinez A, Rajkhowa M, Rueda-Saenz R, Hompes P, Lambalk CB. Clomifene citrate or low-dose FSH for the first-line treatment of infertile women with anovulation associated with polycystic ovary syndrome: a prospective randomized multinational study. *Hum Reprod*. 2012 Feb;27(2):468-73. Available from: PubMed; PMID 22128296

Hossein G, Arabzadeh S, Hossein-Rashidi B, Hosseini MA. Relations between steroids and AMH: impact of basal and intrafollicular steroids to AMH ratios on oocyte yield and maturation rate in women with or without polycystic ovary undergoing in vitro fertilization. *Gynecol Endocrinol*. 2012 Jun;28(6):413-7. Available from: PubMed; PMID 21992510

Hosseini MA, Aleyasin A, Saeedi H, Mahdavi A. Comparison of gonadotropin-releasing hormone agonists and antagonists in assisted reproduction cycles of polycystic ovarian syndrome patients. *J Obstet Gynaecol Res*. 2010 Jun;36(3):605-10. Available from: PubMed; PMID 20598044

Hu S, Leonard A, Seifalian A, Hardiman P. Vascular dysfunction during pregnancy in women with polycystic ovary syndrome. *Hum Reprod*. 2007 Jun;22(6):1532-9. Available from: PubMed; PMID 17369295

Huddlestone HG, Cedars MI, Sohn SH, Giudice LC, Fujimoto VY. Racial and ethnic disparities in reproductive endocrinology and infertility. *Am J Obstet Gynecol*. 2010



May;202(5):413-9. Available from: PubMed; PMID 20207341

Hudecova M, Holte J, Olovsson M, Sundstrom Poromaa I. Long-term follow-up of patients with polycystic ovary syndrome: reproductive outcome and ovarian reserve. *Hum Reprod.* 2009 May;24(5):1176-83. Available from: PubMed; PMID 19168874

Hughes E, Collins J, Vandekerckhove P. Ovulation induction with urinary follicle stimulating hormone versus human menopausal gonadotropin for clomiphene-resistant polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD000087. Available from: PubMed; PMID 10796690

Hughes E, Collins J, Vandekerckhove P. Gonadotrophin-releasing hormone analogue as an adjunct to gonadotropin therapy for clomiphene-resistant polycystic ovarian syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD000097. Available from: PubMed; PMID 10796488

Hwang JL, Seow KM, Lin YH, Huang LW, Hsieh BC, Tsai YL, Wu GJ, Huang SC, Chen CY, Chen PH, Tzeng CR. Ovarian stimulation by concomitant administration of cetrorelix acetate and HMG following Diane-35 pre-treatment for patients with polycystic ovary syndrome: a prospective randomized study. *Hum Reprod.* 2004 Sep;19(9):1993-2000. Available from: PubMed; PMID 15284212

Hwang JL, Seow KM, Lin YH, Hsieh BC, Huang LW, Chen HJ, Huang SC, Chen CY, Chen PH, Tzeng CR. IVF versus ICSI in sibling oocytes from patients with polycystic ovarian syndrome: a randomized controlled trial. *Hum Reprod.* 2005 May;20(5):1261-5. Available from: PubMed; PMID 15705619

Hwu YM, Lin SY, Huang WY, Lin MH, Lee RK. Ultra-short metformin pretreatment for clomiphene citrate-resistant polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2005 Jul;90(1):39-43. Available from: PubMed; PMID 15921686

Hyun CS, Cha JH, Son WY, Yoon SH, Kim KA, Lim JH. Optimal ICSI timing after the first polar body extrusion in in vitro matured human oocytes. *Hum Reprod.* 2007 Jul;22(7):1991-5. Available from: PubMed; PMID 17513319

Iavazzo C, Vitoratos N. Polycystic ovarian syndrome and pregnancy outcome. *Arch Gynecol Obstet.* 2010 Sep;282(3):235-9. Available from: PubMed; PMID 20458488

Ibanez L, Valls C, Potau N, Marcos MV, de Zegher F. Polycystic ovary syndrome after precocious pubarche: ontogeny of the low-birthweight effect. *Clin Endocrinol (Oxf).* 2001 Nov;55(5):667-72. Available from: PubMed; PMID 11894979

Ibanez L, Aulesa C, Potau N, Ong K, Dunger DB, de Zegher F. Plasminogen activator inhibitor-1 in girls with precocious pubarche: a premenarcheal marker for polycystic ovary syndrome? *Pediatr Res.* 2002 Feb;51(2):244-8. Available from: PubMed; PMID 11809921

Ibanez L, Ferrer A, Ong K, Amin R, Dunger D, de Zegher F. Insulin sensitization early after menarche prevents progression from precocious pubarche to polycystic ovary syndrome. *J Pediatr.* 2004 Jan;144(1):23-9. Available from: PubMed; PMID 14722514

Ibanez L, Valls C, Marcos MV, Ong K, Dunger DB, De Zegher F. Insulin sensitization for girls with precocious pubarche and with risk for polycystic ovary syndrome: effects of prepubertal initiation and postpubertal discontinuation of metformin treatment. *J Clin Endocrinol Metab.* 2004 Sep;89(9):4331-7. Available from: PubMed; PMID 15356029

Ibanez L, Jaramillo A, Enriquez G, Miro E, Lopez-Bermejo A, Dunger D, de Zegher F. Polycystic ovaries after precocious pubarche: relation to prenatal growth. *Hum Reprod.* 2007 Feb;22(2):395-400. Available from: PubMed; PMID 17062583

Ibanez L, Lopez-Bermejo A, Callejo J, Torres A, Cabre S, Dunger D, de Zegher F. Polycystic ovaries in nonobese adolescents and young women with ovarian androgen excess: relation to prenatal growth. *J Clin Endocrinol Metab.* 2008 Jan;93(1):196-9. Available from: PubMed; PMID 17956949

Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab.* 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811

Ikechebelu JI, Mbamara SU, Okeke CA. Pregnancy following laparoscopic ovarian drilling for clomiphene resistant polycystic ovarian syndrome. *Niger J Clin Pract.* 2010 Jun;13(2):235-7. Available from: PubMed; PMID 20499766

Jabara S, Coutifaris C. In vitro fertilization in the PCOS patient: clinical considerations. *Semin Reprod Med.* 2003 Aug;21(3):317-24. Available from: PubMed; PMID 14593555

Jakubowicz DJ, Seppala M, Jakubowicz S, Rodriguez-Armas O, Rivas-Santiago A, Koistinen H, Koistinen R, Nestler JE. Insulin reduction with metformin increases luteal phase serum glycodelin and insulin-like growth factor-binding protein 1 concentrations and enhances uterine vascularity and blood flow in the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2001 Mar;86(3):1126-33. Available from: PubMed; PMID 11238496

- Jakubowicz DJ, Luorno MJ, Jakubowicz S, Roberts KA, Nestler JE. Effects of metformin on early pregnancy loss in the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Feb;87(2):524-9. Available from: PubMed; PMID 11836280
- Jakubowicz DJ, Essah PA, Seppala M, Jakubowicz S, Baillargeon JP, Koistinen R, Nestler JE. Reduced serum glycodelin and insulin-like growth factor-binding protein-1 in women with polycystic ovary syndrome during first trimester of pregnancy. *J Clin Endocrinol Metab.* 2004 Feb;89(2):833-9. Available from: PubMed; PMID 14764802
- Jammah AA, Somal KK, Power SG, McManus RM. Gestational diabetes after infertility treatment for polycystic ovarian syndrome. *Saudi Med J.* 2009 Apr;30(4):575-6. Available from: PubMed; PMID 19370293
- Jinno M, Kondou K, Teruya K. Low-dose metformin improves pregnancy rate in in vitro fertilization repeaters without polycystic ovary syndrome: prediction of effectiveness by multiple parameters related to insulin resistance. *Hormones (Athens).* 2010 Apr-Jun;9(2):161-70. Available from: PubMed; PMID 20687400
- Johnson NP. No more surrogate end-points in randomised trials: the PCOSMIC trial protocol for women with polycystic ovary syndrome using metformin for infertility with clomiphene. *Aust N Z J Obstet Gynaecol.* 2006 Apr;46(2):141-5. Available from: PubMed; PMID 16638037
- Johnson NP, Stewart AW, Falkiner J, Farquhar CM, Milsom S, Singh VP, Okonkwo QL, Buckingham KL. PCOSMIC: a multi-centre randomized trial in women with Polycystic Ovary Syndrome evaluating Metformin for Infertility with Clomiphene. *Hum Reprod.* 2010 Jul;25(7):1675-83. Available from: PubMed; PMID 20435692
- Johnson N. Metformin is a reasonable first-line treatment option for non-obese women with infertility related to anovulatory polycystic ovary syndrome--a meta-analysis of randomised trials. *Aust N Z J Obstet Gynaecol.* 2011 Apr;51(2):125-9. Available from: PubMed; PMID 21466513
- Johnson NP, Bontekoe S, Stewart AW. Analysis of factors predicting success of metformin and clomiphene treatment for women with infertility owing to PCOS-related ovulation dysfunction in a randomised controlled trial. *Aust N Z J Obstet Gynaecol.* 2011 Jun;51(3):252-6. Available from: PubMed; PMID 21631446
- Jones AE. Diagnosis and treatment of polycystic ovarian syndrome. *Nurs Times.* 2005 Jan 18-24;101(3):40-3. Available from: PubMed; PMID 15693578
- Jungheim ES, Lanzendorf SE, Odem RR, Moley KH, Chang AS, Ratts VS. Morbid obesity is associated with lower clinical pregnancy rates after in vitro fertilization in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Jul;92(1):256-61. Available from: PubMed; PMID 18692801
- Jungheim ES, Odibo AO. Fertility treatment in women with polycystic ovary syndrome: a decision analysis of different oral ovulation induction agents. *Fertil Steril.* 2010 Dec;94(7):2659-64. Available from: PubMed; PMID 20451181
- Junk SM, Yeap D. Improved implantation and ongoing pregnancy rates after single-embryo transfer with an optimized protocol for in vitro oocyte maturation in women with polycystic ovaries and polycystic ovary syndrome. *Fertil Steril.* 2012 Oct;98(4):888-92. Available from: PubMed; PMID 22835445
- Kanaya H, Murata Y, Oku H, Hashimoto S, Morimoto Y, Murata T, Sugihara K, Nagata F, Nakaoka Y, Fukuda A. Successful monozygotic twin delivery following in vitro maturation of oocytes retrieved from a woman with polycystic ovary syndrome: case report. *Hum Reprod.* 2006 Jul;21(7):1777-80. Available from: PubMed; PMID 16556672
- Karimzadeh MA, Javedani M. An assessment of lifestyle modification versus medical treatment with clomiphene citrate, metformin, and clomiphene citrate-metformin in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Jun;94(1):216-20. Available from: PubMed; PMID 19463994
- Kashanian M, Fazy Z, Pirak A. Evaluation of the relationship between gestational diabetes and a history of polycystic ovarian syndrome. *Diabetes Res Clin Pract.* 2008 May;80(2):289-92. Available from: PubMed; PMID 18294722
- Kashyap S, Claman P. Polycystic ovary disease and the risk of pregnancy-induced hypertension. *J Reprod Med.* 2000 Dec;45(12):991-4. Available from: PubMed; PMID 11153260
- Kashyap S, Claman P. Obstetric outcome in women with polycystic ovarian syndrome. *Hum Reprod.* 2001 Jul;16(7):1537. Available from: PubMed; PMID 11425843
- Kashyap S, Wells GA, Rosenwaks Z. Insulin-sensitizing agents as primary therapy for patients with polycystic ovarian syndrome. *Hum Reprod.* 2004 Nov;19(11):2474-83. Available from: PubMed; PMID 15358717
- Kato M, Kikuchi I, Shimaniki H, Kobori H, Aida T, Kitade M, Kumakiri J, Takeuchi H. Efficacy of laparoscopic ovarian drilling for polycystic ovary syndrome resistant to clomiphene citrate. *J Obstet Gynaecol Res.* 2007 Apr;33(2):174-80. Available from: PubMed; PMID 17441891
- Katsikis I, Karkanaki A, Misichronis G, Delkos D, Kandaraki EA, Panidis D. Phenotypic expression, body mass index and insulin resistance in relation to LH levels in

women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jun;156(2):181-5. Available from: PubMed; PMID 21353371

Kaya C, Pabuccu R, Satiroglu H. Serum antimullerian hormone concentrations on day 3 of the in vitro fertilization stimulation cycle are predictive of the fertilization, implantation, and pregnancy in polycystic ovary syndrome patients undergoing assisted reproduction. *Fertil Steril.* 2010 Nov;94(6):2202-7. Available from: PubMed; PMID 20138267

Kazerooni T, Ghaffaripasand F, Kazerooni Y, Kazerooni M, Setoodeh S. Short-term metformin treatment for clomiphene citrate-resistant women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2009 Oct;107(1):50-3. Available from: PubMed; PMID 19552904

Keay SD, Jenkins JM. Adjunctive use of dexamethasone in Clomid resistant patients. *Fertil Steril.* 2003 Jul;80(1):230-1; author reply 1. Available from: PubMed; PMID 12849838

Kerchner A, Lester W, Stuart SP, Dokras A. Risk of depression and other mental health disorders in women with polycystic ovary syndrome: a longitudinal study. *Fertil Steril.* 2009 Jan;91(1):207-12. Available from: PubMed; PMID 18249398

Khattab S, Mohsen IA, Foutouh IA, Ramadan A, Moaz M, Al-Inany H. Metformin reduces abortion in pregnant women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2006 Dec;22(12):680-4. Available from: PubMed; PMID 17162710

Khattab S, Mohsen IA, Aboul Foutouh I, Ashmawi HS, Mohsen MN, van Wely M, van der Veen F, Youssef MA. Can metformin reduce the incidence of gestational diabetes mellitus in pregnant women with polycystic ovary syndrome? Prospective cohort study. *Gynecol Endocrinol.* 2011 Oct;27(10):789-93. Available from: PubMed; PMID 21247239

Kim CH, Jeon GH, Kim SR, Kim SH, Chae HD, Kang BM. Effects of pioglitazone on ovarian stromal blood flow, ovarian stimulation, and in vitro fertilization outcome in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Jun;94(1):236-41. Available from: PubMed; PMID 19324344

Kim YJ, Ku SY, Jee BC, Suh CS, Kim SH, Choi YM, Kim JG, Moon SY. A comparative study on the outcomes of in vitro fertilization between women with polycystic ovary syndrome and those with sonographic polycystic ovary-only in GnRH antagonist cycles. *Arch Gynecol Obstet.* 2010 Aug;282(2):199-205. Available from: PubMed; PMID 20182736

King AJ, Olivier NB, Mohankumar PS, Lee JS, Padmanabhan V, Fink GD. Hypertension caused by prenatal testosterone excess in female sheep. *Am J Physiol*

*Endocrinol Metab.* 2007 Jun;292(6):E1837-41. Available from: PubMed; PMID 17327368

Kjerulff LE, Sanchez-Ramos L, Duffy D. Pregnancy outcomes in women with polycystic ovary syndrome: a metaanalysis. *Am J Obstet Gynecol.* 2011 Jun;204(6):558 e1-6. Available from: PubMed; PMID 21752757

Kjotrod SB, von During V, Carlsen SM. Metformin treatment before IVF/ICSI in women with polycystic ovary syndrome; a prospective, randomized, double blind study. *Hum Reprod.* 2004 Jun;19(6):1315-22. Available from: PubMed; PMID 15117902

Kjotrod SB, Romundstad P, von During V, Sunde A, Carlsen SM. C-reactive protein levels are unaffected by metformin during pretreatment and an IVF cycle in women with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):635-41. Available from: PubMed; PMID 17548076

Kjotrod SB, Carlsen SM, Rasmussen PE, Holst-Larsen T, Mellebakken J, Thurin-Kjellberg A, Haapaniemikouru K, Morin-Papunen L, Humaidan P, Sunde A, von During V. Use of metformin before and during assisted reproductive technology in non-obese young infertile women with polycystic ovary syndrome: a prospective, randomized, double-blind, multi-centre study. *Hum Reprod.* 2011 Aug;26(8):2045-53. Available from: PubMed; PMID 21606131

Kocak M, Caliskan E, Simsir C, Haberal A. Metformin therapy improves ovulatory rates, cervical scores, and pregnancy rates in clomiphene citrate-resistant women with polycystic ovary syndrome. *Fertil Steril.* 2002 Jan;77(1):101-6. Available from: PubMed; PMID 11779598

Kocak I, Ustun C. Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res.* 2006 Jun;32(3):292-8. Available from: PubMed; PMID 16764619

Koivunen RM, Juutinen J, Vauhkonen I, Morin-Papunen LC, Ruokonen A, Tapanainen JS. Metabolic and steroidogenic alterations related to increased frequency of polycystic ovaries in women with a history of gestational diabetes. *J Clin Endocrinol Metab.* 2001 Jun;86(6):2591-9. Available from: PubMed; PMID 11397859

Kolibianakis E, Zikopoulos K, Albano C, Camus M, Tournaye H, Van Steirteghem A, Devroey P. Reproductive outcome of polycystic ovarian syndrome patients treated with GnRH antagonists and recombinant FSH for IVF/ICSI. *Reprod Biomed Online.* 2003 Oct;7(3):313-8. Available from: PubMed; PMID 14653891

Kolibianakis EM, Papanikolaou EG, Tournaye H, Camus M, Van Steirteghem AC, Devroey P. Triggering final oocyte maturation using different doses of human chorionic

gonadotropin: a randomized pilot study in patients with polycystic ovary syndrome treated with gonadotropin-releasing hormone antagonists and recombinant follicle-stimulating hormone. *Fertil Steril*. 2007 Nov;88(5):1382-8. Available from: PubMed; PMID 17445806

Koren G, Gilbert C, Valois M. Metformin use during the first trimester of pregnancy. Is it safe? *Can Fam Physician*. 2006 Feb;52:171-2. Available from: PubMed; PMID 16529387

Kosus A, Kosus N, Duran M, Turhan NO. Does assisted reproductive technology itself or polycystic ovary syndrome as a cause of infertility have any effect on first trimester serum screening results? *J Reprod Med*. 2012 Mar-Apr;57(3-4):129-35. Available from: PubMed; PMID 22523872

Koundouros SN. A comparison study of a novel stimulation protocol and the conventional low dose step-up and step-down regimens in patients with polycystic ovary syndrome undergoing in vitro fertilization. *Fertil Steril*. 2008 Sep;90(3):569-75. Available from: PubMed; PMID 17880950

Kousta E, Cela E, Lawrence N, Penny A, Millauer B, White D, Wilson H, Robinson S, Johnston D, McCarthy M, Franks S. The prevalence of polycystic ovaries in women with a history of gestational diabetes. *Clin Endocrinol (Oxf)*. 2000 Oct;53(4):501-7. Available from: PubMed; PMID 11012576

Kousta E. Premature adrenarche leads to polycystic ovary syndrome? Long-term consequences. *Ann N Y Acad Sci*. 2006 Dec;1092:148-57. Available from: PubMed; PMID 17308141

Kovacs GT, Clarke S, Burger HG, Healy DL, Vollenhoven B. Surgical or medical treatment of polycystic ovary syndrome: a cost-benefit analysis. *Gynecol Endocrinol*. 2002 Feb;16(1):53-5. Available from: PubMed; PMID 11915582

Kovo M, Weissman A, Gur D, Levran D, Rotmensch S, Glezerman M. Neonatal outcome in polycystic ovarian syndrome patients treated with metformin during pregnancy. *J Matern Fetal Neonatal Med*. 2006 Jul;19(7):415-9. Available from: PubMed; PMID 16923696

Krentz AJ, von Muhlen D, Barrett-Connor E. Searching for polycystic ovary syndrome in postmenopausal women: evidence of a dose-effect association with prevalent cardiovascular disease. *Menopause*. 2007 Mar-Apr;14(2):284-92. Available from: PubMed; PMID 17245231

Krentz AJ, von Muhlen D, Barrett-Connor E. Adipocytokine profiles in a putative novel postmenopausal polycystic ovary syndrome (PCOS) phenotype parallel those in premenopausal PCOS: the Rancho Bernardo Study. *Metabolism*. 2012 Sep;61(9):1238-41. Available from: PubMed; PMID 22560129

Krepula K, Bidzinska-Speichert B, Lenarcik A, Tworowska-Bardzinska U. Selected neurologic disorders related to polycystic ovary syndrome. *Ginekol Pol*. 2012 Feb;83(2):128-31. Available from: PubMed; PMID 22568358

Kriplani A, Manchanda R, Agarwal N, Nayar B. Laparoscopic ovarian drilling in clomiphene citrate-resistant women with polycystic ovary syndrome. *J Am Assoc Gynecol Laparosc*. 2001 Nov;8(4):511-8. Available from: PubMed; PMID 11677329

Kucuk M, Kilic-Okman T. Hormone profiles and clinical outcome after laparoscopic ovarian drilling in women with polycystic ovary syndrome. *Med Sci Monit*. 2005 Jan;11(1):CR29-34. Available from: PubMed; PMID 15614192

Kuivasaari-Pirinen P, Hippelainen M, Hakkarainen H, Randell K, Heinonen S. Cumulative baby take-home rate among women with PCOS treated by IVF. *Gynecol Endocrinol*. 2010 Aug;26(8):582-9. Available from: PubMed; PMID 20175706

Kumar HK. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovarian syndrome. *Saudi Med J*. 2008 Apr;29(4):625. Available from: PubMed; PMID 18382816

Kumbak B, Kahraman S. Efficacy of metformin supplementation during ovarian stimulation of lean PCOS patients undergoing in vitro fertilization. *Acta Obstet Gynecol Scand*. 2009;88(5):563-8. Available from: PubMed; PMID 19306135

Kurzawa R, Ciepela P, Baczkowski T, Safranow K, Brelik P. Comparison of embryological and clinical outcome in GnRH antagonist vs. GnRH agonist protocols for in vitro fertilization in PCOS non-obese patients. A prospective randomized study. *J Assist Reprod Genet*. 2008 Aug;25(8):365-74. Available from: PubMed; PMID 18802744

Kyono K, Fukunaga N, Haigo K, Chiba S, Ohira C, Nakajo Y, Araki Y. Successful delivery following cryopreservation of zygotes produced by in vitro matured oocytes retrieved from a woman with polycystic ovarian syndrome-like disease: a case report. *J Assist Reprod Genet*. 2002 Aug;19(8):390-3. Available from: PubMed; PMID 12182446

La Marca A, Artensio AC, Stabile G, Volpe A. Metformin treatment of PCOS during adolescence and the reproductive period. *Eur J Obstet Gynecol Reprod Biol*. 2005 Jul 1;121(1):3-7. Available from: PubMed; PMID 15941616

Lainas TG, Sfontouris IA, Zorzovilis IZ, Petsas GK, Lainas GT, Alexopoulou E, Kolibianakis EM. Flexible GnRH antagonist protocol versus GnRH agonist long protocol in patients with polycystic ovary syndrome treated for IVF: a

prospective randomised controlled trial (RCT). *Hum Reprod.* 2010 Mar;25(3):683-9. Available from: PubMed; PMID 20008886

Laitinen J, Taponen S, Martikainen H, Pouta A, Millwood I, Hartikainen AL, Ruokonen A, Sovio U, McCarthy MI, Franks S, Jarvelin MR. Body size from birth to adulthood as a predictor of self-reported polycystic ovary syndrome symptoms. *Int J Obes Relat Metab Disord.* 2003 Jun;27(6):710-5. Available from: PubMed; PMID 12833115

Lam PM, Cheung LP, Haines C. Revisit of metformin treatment in polycystic ovarian syndrome. *Gynecol Endocrinol.* 2004 Jul;19(1):33-9. Available from: PubMed; PMID 15625771

Lam P, Johnson I, Raine-Fenning N. Endometrial blood flow is impaired in women with polycystic ovarian syndrome who are clinically hyperandrogenic. *Ultrasound Obstet Gynecol.* 2009 Sep;34(3):326-34. Available from: PubMed; PMID 19676066

Lamb JD, Johnstone EB, Rousseau JA, Jones CL, Pasch LA, Cedars MI, Huddleston HG. Physical activity in women with polycystic ovary syndrome: prevalence, predictors, and positive health associations. *Am J Obstet Gynecol.* 2011 Apr;204(4):352 e1-6. Available from: PubMed; PMID 21288501

Lambrinouadaki I. Cardiovascular risk in postmenopausal women with the polycystic ovary syndrome. *Maturitas.* 2011 Jan;68(1):13-6. Available from: PubMed; PMID 20943333

Lan VT, Norman RJ, Nhu GH, Tuan PH, Tuong HM. Ovulation induction using low-dose step-up rFSH in Vietnamese women with polycystic ovary syndrome. *Reprod Biomed Online.* 2009 Apr;18(4):516-21. Available from: PubMed; PMID 19400993

Landman RE, Jacobs TP. Troglitazone use in polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2001 Oct;86(10):5090-1. Available from: PubMed; PMID 11600596

Lazaro I, Diaz M, Cabre A, Masana L, Ibanez L. Fatty acid-binding protein-4 plasma levels are associated to metabolic abnormalities and response to therapy in girls and young women with androgen excess. *Gynecol Endocrinol.* 2011 Nov;27(11):935-9. Available from: PubMed; PMID 21605000

Le Du A, Kadoch IJ, Bourcigaux N, Doumerc S, Bourrier MC, Chevalier N, Fanchin R, Chian RC, Tachdjian G, Frydman R, Frydman N. In vitro oocyte maturation for the treatment of infertility associated with polycystic ovarian syndrome: the French experience. *Hum Reprod.* 2005 Feb;20(2):420-4. Available from: PubMed; PMID 15528263

Ledger W. What to do about the polycystic ovary 'epidemic'. *Curr Opin Obstet Gynecol.* 2002 Jun;14(3):293-4. Available from: PubMed; PMID 12032385

Lee HJ, Ku SY, Kim SH, Choi YM, Kim JG, Moon SY. A comparative study on the impact of fresh variables on the success of frozen-thawed embryo transfer cycles using 2PN sibling embryos in women with/without polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 May;28(5):351-5. Available from: PubMed; PMID 22103769

Legro RS. Polycystic ovary syndrome. Long term sequelae and management. *Minerva Ginecol.* 2002 Apr;54(2):97-114. Available from: PubMed; PMID 12032449

Legro RS, Myers ER, Barnhart HX, Carson SA, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, McGovern PG, Cataldo NA, Steinkampf MP, Nestler JE, Gosman G, Giudice LC, Leppert PC. The Pregnancy in Polycystic Ovary Syndrome study: baseline characteristics of the randomized cohort including racial effects. *Fertil Steril.* 2006 Oct;86(4):914-33. Available from: PubMed; PMID 16963034

Legro RS. Pregnancy considerations in women with polycystic ovary syndrome. *Clin Obstet Gynecol.* 2007 Mar;50(1):295-304. Available from: PubMed; PMID 17304043

Legro RS, Barnhart HX, Schlaff WD, Carr BR, Diamond MP, Carson SA, Steinkampf MP, Coutifaris C, McGovern PG, Cataldo NA, Gosman GG, Nestler JE, Giudice LC, Leppert PC, Myers ER. Clomiphene, metformin, or both for infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 Feb 8;356(6):551-66. Available from: PubMed; PMID 17287476

Legro RS. Metformin during pregnancy in polycystic ovary syndrome: another vitamin bites the dust. *J Clin Endocrinol Metab.* 2010 Dec;95(12):5199-202. Available from: PubMed; PMID 21131540

Legro RS, Roller RL, Dodson WC, Stetter CM, Kunselman AR, Dunaif A. Associations of birthweight and gestational age with reproductive and metabolic phenotypes in women with polycystic ovarian syndrome and their first-degree relatives. *J Clin Endocrinol Metab.* 2010 Feb;95(2):789-99. Available from: PubMed; PMID 19965924

Legro RS. Metformin as adjuvant therapy to IVF in women with PCOS: when is intention-to-treat unintentional? *Hum Reprod.* 2011 Aug;26(8):2043-4. Available from: PubMed; PMID 21606132

Legro RS, Kunselman AR, Brzyski RG, Casson PR, Diamond MP, Schlaff WD, Christman GM, Coutifaris C, Taylor HS, Eisenberg E, Santoro N, Zhang H. The Pregnancy in Polycystic Ovary Syndrome II (PPCOS II) trial: rationale and design of a double-blind randomized trial of clomiphene citrate and letrozole for the treatment of infertility in women with polycystic ovary syndrome.

- Contemp Clin Trials. 2012 May;33(3):470-81. Available from: PubMed; PMID 22265923
- Leon L, Bacallao K, Gabler F, Romero C, Valladares L, Vega M. Activities of steroid metabolic enzymes in secretory endometria from untreated women with Polycystic Ovary Syndrome. *Steroids*. 2008 Jan;73(1):88-95. Available from: PubMed; PMID 17953976
- Li MG, Ding GL, Chen XJ, Lu XP, Dong LJ, Dong MY, Yang XF, Lu XE, Huang HF. Association of serum and follicular fluid leptin concentrations with granulosa cell phosphorylated signal transducer and activator of transcription 3 expression in fertile patients with polycystic ovarian syndrome. *J Clin Endocrinol Metab*. 2007 Dec;92(12):4771-6. Available from: PubMed; PMID 17895321
- Li Z, Huang H. Epigenetic abnormality: a possible mechanism underlying the fetal origin of polycystic ovary syndrome. *Med Hypotheses*. 2008;70(3):638-42. Available from: PubMed; PMID 17764855
- Li G, Fan L, Zhang L, Zhang W, Huang X. Metabolic parameters and perinatal outcomes of gestational diabetes mellitus in women with polycystic ovary syndrome. *J Perinat Med*. 2010 Mar;38(2):141-6. Available from: PubMed; PMID 20146658
- Li C, Cheng J, Wang J, Xue Y, Huang Z, Zhang S, Lv J. Prognostic value of total testosterone for pregnancy during treatment in patients with clomiphene-citrate-resistant polycystic ovary syndrome: a pilot study. *Arch Gynecol Obstet*. 2011 Sep;284(3):757-64. Available from: PubMed; PMID 21614496
- Liao L, Tian YJ, Zhao JJ, Xin Y, Xing HY, Dong JJ. Metformin versus metformin plus rosiglitazone in women with polycystic ovary syndrome. *Chin Med J (Engl)*. 2011 Mar;124(5):714-8. Available from: PubMed; PMID 21518564
- Lidor AL, Goldenberg M, Cohen SB, Seidman DS, Mashlach S, Rabinovici J. Management of women with polycystic ovary syndrome who experienced premature luteinization during clomiphene citrate treatment. *Fertil Steril*. 2000 Oct;74(4):749-52. Available from: PubMed; PMID 11020518
- Lilja AE, Mathiesen ER. Polycystic ovary syndrome and metformin in pregnancy. *Acta Obstet Gynecol Scand*. 2006;85(7):861-8. Available from: PubMed; PMID 16817087
- Ling SY, Chong KM, Hwang JL. Persistent megalocystic ovary following in vitro fertilization in a postpartum patient with polycystic ovarian syndrome. *Taiwan J Obstet Gynecol*. 2006 Mar;45(1):70-2. Available from: PubMed; PMID 17272214
- Liu JH, Bill AH. Expanding applications for metformin in polycystic ovarian syndrome. *J Pediatr*. 2006 May;148(5):573-4. Available from: PubMed; PMID 16737862
- Liu KE, Tataryn IV, Sagle M. Use of metformin for ovulation induction in women who have polycystic ovary syndrome with or without evidence of insulin resistance. *J Obstet Gynaecol Can*. 2006 Jul;28(7):595-9. Available from: PubMed; PMID 16916482
- Lo JC, Feigenbaum SL, Escobar GJ, Yang J, Crites YM, Ferrara A. Increased prevalence of gestational diabetes mellitus among women with diagnosed polycystic ovary syndrome: a population-based study. *Diabetes Care*. 2006 Aug;29(8):1915-7. Available from: PubMed; PMID 16873802
- Lopes IM, Baracat MC, Simoes Mde J, Simoes RS, Baracat EC, Soares Jr JM. Endometrium in women with polycystic ovary syndrome during the window of implantation. *Rev Assoc Med Bras*. 2011 Nov-Dec;57(6):702-9. Available from: PubMed; PMID 22249553
- Lopez E, Gunby J, Daya S, Parrilla JJ, Abad L, Balasch J. Ovulation induction in women with polycystic ovary syndrome: randomized trial of clomiphene citrate versus low-dose recombinant FSH as first line therapy. *Reprod Biomed Online*. 2004 Oct;9(4):382-90. Available from: PubMed; PMID 15511336
- Lord JM, Flight IH, Norman RJ. Metformin in polycystic ovary syndrome: systematic review and meta-analysis. *BMJ*. 2003 Oct 25;327(7421):951-3. Available from: PubMed; PMID 14576245
- Lu XE, Huang HF, Li MG, Zhu YM, Qiang YL, Dong MY. Resistin levels of serum and follicular fluid in non-obese patients with polycystic ovary syndrome during IVF cycles. *J Zhejiang Univ Sci B*. 2005 Sep;6(9):897-902. Available from: PubMed; PMID 16130192
- Lujan ME, Bloski TG, Chizen DR, Lehotay DC, Pierson RA. Digit ratios do not serve as anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Hum Reprod*. 2010 Jan;25(1):204-11. Available from: PubMed; PMID 19855107
- Lujan ME, Podolski AJ, Chizen DR, Lehotay DC, Pierson RA. Digit ratios by computer-assisted analysis confirm lack of anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Reprod Biol Endocrinol*. 2010;8:156. Available from: PubMed; PMID 21189149
- Lunde O, Djoesland O, Grottum P. Polycystic ovarian syndrome: a follow-up study on fertility and menstrual pattern in 149 patients 15-25 years after ovarian wedge resection. *Hum Reprod*. 2001 Jul;16(7):1479-85. Available from: PubMed; PMID 11425833
- Ma YM, Li R, Qiao J, Zhang XW, Wang SY, Zhang QF, Li L, Tu BB, Zhang X. Characteristics of abnormal menstrual

- cycle and polycystic ovary syndrome in community and hospital populations. *Chin Med J (Engl)*. 2010 Aug;123(16):2185-9. Available from: PubMed; PMID 20819662
- Macklon NS. Polycystic ovary syndrome. *BMJ*. 2011;343:d6407. Available from: PubMed; PMID 21998338
- Maliqueo M, Echiburu B, Crisosto N, Amigo P, Aranda P, Sanchez F, Sir-Petermann T. Metabolic parameters in cord blood of newborns of women with polycystic ovary syndrome. *Fertil Steril*. 2009 Jul;92(1):277-82. Available from: PubMed; PMID 18555232
- Malkawi HY, Qublan HS. The effect of metformin plus clomiphene citrate on ovulation and pregnancy rates in clomiphene-resistant women with polycystic ovary syndrome. *Saudi Med J*. 2002 Jun;23(6):663-6. Available from: PubMed; PMID 12070543
- Malkawi HY, Qublan HS, Hamaideh AH. Medical vs. surgical treatment for clomiphene citrate-resistant women with polycystic ovary syndrome. *J Obstet Gynaecol*. 2003 May;23(3):289-93. Available from: PubMed; PMID 12850864
- Malkawi HY, Qublan HS. Laparoscopic ovarian drilling in the treatment of polycystic ovary syndrome: how many punctures per ovary are needed to improve the reproductive outcome? *J Obstet Gynaecol Res*. 2005 Apr;31(2):115-9. Available from: PubMed; PMID 15771636
- Mancini F, Tur R, Martinez F, Coroleu B, Rodriguez I, Barri PN. Gonadotrophin-releasing hormone-antagonists vs long agonist in in-vitro fertilization patients with polycystic ovary syndrome: a meta-analysis. *Gynecol Endocrinol*. 2011 Mar;27(3):150-5. Available from: PubMed; PMID 21117862
- Manno M, Tomei F, Marchesan E. Polycystic ovary-related miscarriage: should metformin be proposed to such frustrated women? *Hum Reprod*. 2007 Feb;22(2):623; author reply -4. Available from: PubMed; PMID 17060370
- Mantzoros CS, Cramer DW, Liberman RF, Barbieri RL. Predictive value of serum and follicular fluid leptin concentrations during assisted reproductive cycles in normal women and in women with the polycystic ovarian syndrome. *Hum Reprod*. 2000 Mar;15(3):539-44. Available from: PubMed; PMID 10686193
- Manzanares MA, Gomez-Palomares JL, Ricciarelli E, Hernandez ER. Triggering ovulation with gonadotropin-releasing hormone agonist in in vitro fertilization patients with polycystic ovaries does not cause ovarian hyperstimulation syndrome despite very high estradiol levels. *Fertil Steril*. 2010 Mar 1;93(4):1215-9. Available from: PubMed; PMID 19200978
- Marasco L, Marmet C, Shell E. Polycystic ovary syndrome: a connection to insufficient milk supply? *J Hum Lact*. 2000 May;16(2):143-8. Available from: PubMed; PMID 11153345
- Marci R, Senn A, Dessole S, Chanson A, Loumaye E, De Grandi P, Germond M. A low-dose stimulation protocol using highly purified follicle-stimulating hormone can lead to high pregnancy rates in in vitro fertilization patients with polycystic ovaries who are at risk of a high ovarian response to gonadotropins. *Fertil Steril*. 2001 Jun;75(6):1131-5. Available from: PubMed; PMID 11384638
- Marianowski P, Kaminski P, Wielgos M, Szymusik I. The changes of hormonal serum levels and ovulation/pregnancy rates after ovarian electrocautery in microlaparoscopy and laparoscopy in patients with PCOS. *Neuro Endocrinol Lett*. 2006 Feb-Apr;27(1-2):214-8. Available from: PubMed; PMID 16648776
- Marikinti K. Unusual presentation of a woman with polycystic ovaries and complex endometrial pathology. *Reprod Biomed Online*. 2006 Jan;12(1):39-42. Available from: PubMed; PMID 16454932
- Marquard KL, Stephens SM, Jungheim ES, Ratts VS, Odem RR, Lanzendorf S, Moley KH. Polycystic ovary syndrome and maternal obesity affect oocyte size in in vitro fertilization/intracytoplasmic sperm injection cycles. *Fertil Steril*. 2011 May;95(6):2146-9, 9 e1. Available from: PubMed; PMID 21071018
- Marsh KA, Steinbeck KS, Atkinson FS, Petocz P, Brand-Miller JC. Effect of a low glycemic index compared with a conventional healthy diet on polycystic ovary syndrome. *Am J Clin Nutr*. 2010 Jul;92(1):83-92. Available from: PubMed; PMID 20484445
- Martinez-Bermejo E, Luque-Ramirez M, Escobar-Morreale HF. Obesity and the polycystic ovary syndrome. *Minerva Endocrinol*. 2007 Sep;32(3):129-40. Available from: PubMed; PMID 17912153
- Mashiach R, Amit A, Hasson J, Amzalag S, Almog B, Ben-Yosef D, Lessing JB, Limor R, Azem F. Follicular fluid levels of anti-Mullerian hormone as a predictor of oocyte maturation, fertilization rate, and embryonic development in patients with polycystic ovary syndrome. *Fertil Steril*. 2010 May 1;93(7):2299-302. Available from: PubMed; PMID 19261276
- Mastorakos G, Lambrinouadaki I, Creatsas G. Polycystic ovary syndrome in adolescents: current and future treatment options. *Paediatr Drugs*. 2006;8(5):311-8. Available from: PubMed; PMID 17037948
- Mathur R, Alexander CJ, Yano J, Trivax B, Azziz R. Use of metformin in polycystic ovary syndrome. *Am J Obstet Gynecol*. 2008 Dec;199(6):596-609. Available from: PubMed; PMID 19084097
- McCormick B, Thomas M, Maxwell R, Williams D, Aubuchon M. Effects of polycystic ovarian syndrome on in

- vitro fertilization-embryo transfer outcomes are influenced by body mass index. *Fertil Steril.* 2008 Dec;90(6):2304-9. Available from: PubMed; PMID 18191852
- McFarland C. Treating polycystic ovary syndrome and infertility. *MCN Am J Matern Child Nurs.* 2012 Mar-Apr;37(2):116-21. Available from: PubMed; PMID 22357073
- McGovern PG, Carson SA, Barnhart HX, Myers ER, Legro RS, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, Cataldo NA, Steinkampf MP, Nestler JE, Gosman G, Leppert PC, Giudice LC. Medication adherence and treatment success in the National Institute of Child Health and Human Development-Reproductive Medicine Network's Pregnancy in Polycystic Ovary Syndrome Trial. *Fertil Steril.* 2008 Oct;90(4):1283-6. Available from: PubMed; PMID 18082737
- Mehrabian F, Essaie F. The laparoscopic ovarian electrocautery versus gonadotropin therapy in infertile women with clomiphene citrate-resistant polycystic ovary syndrome; a randomized controlled trial. *J Pak Med Assoc.* 2012 Mar;62(3 Suppl 2):S42-4. Available from: PubMed; PMID 22768457
- Mellembakken JR, Berga SL, Kilen M, Tanbo TG, Abyholm T, Fedoresak P. Sustained fertility from 22 to 41 years of age in women with polycystic ovarian syndrome. *Hum Reprod.* 2011 Sep;26(9):2499-504. Available from: PubMed; PMID 21724569
- Melo AS, Vieira CS, Barbieri MA, Rosa ESAC, Silva AA, Cardoso VC, Reis RM, Ferriani RA, Silva-de-Sa MF, Bettiol H. High prevalence of polycystic ovary syndrome in women born small for gestational age. *Hum Reprod.* 2010 Aug;25(8):2124-31. Available from: PubMed; PMID 20573680
- Michalakis KG, Segars JH. The role of adiponectin in reproduction: from polycystic ovary syndrome to assisted reproduction. *Fertil Steril.* 2010 Nov;94(6):1949-57. Available from: PubMed; PMID 20561616
- Michelmore K, Ong K, Mason S, Bennett S, Perry L, Vessey M, Balen A, Dunger D. Clinical features in women with polycystic ovaries: relationships to insulin sensitivity, insulin gene VNTR and birth weight. *Clin Endocrinol (Oxf).* 2001 Oct;55(4):439-46. Available from: PubMed; PMID 11678825
- Mikkelsen AL, Lindenberg S. Benefit of FSH priming of women with PCOS to the in vitro maturation procedure and the outcome: a randomized prospective study. *Reproduction.* 2001 Oct;122(4):587-92. Available from: PubMed; PMID 11570966
- Mikola M, Hiilesmaa V, Halttunen M, Suhonen L, Tiitinen A. Obstetric outcome in women with polycystic ovarian syndrome. *Hum Reprod.* 2001 Feb;16(2):226-9. Available from: PubMed; PMID 11157811
- Misso ML, Costello MF, Garrubba M, Wong J, Hart R, Rombauts L, Melder AM, Norman RJ, Teede HJ. Metformin versus clomiphene citrate for infertility in non-obese women with polycystic ovary syndrome: a systematic review and meta-analysis. *Hum Reprod Update.* 2012 Sep 6. Available from: PubMed; PMID 22956412
- Misso ML, Wong JL, Teede HJ, Hart R, Rombauts L, Melder AM, Norman RJ, Costello MF. Aromatase inhibitors for PCOS: a systematic review and meta-analysis. *Hum Reprod Update.* 2012 May-Jun;18(3):301-12. Available from: PubMed; PMID 22431566
- Mohiuddin S, Bessellink D, Farquhar C. Long-term follow up of women with laparoscopic ovarian diathermy for women with clomiphene-resistant polycystic ovarian syndrome. *Aust N Z J Obstet Gynaecol.* 2007 Dec;47(6):508-11. Available from: PubMed; PMID 17991119
- Moll E, Bossuyt PM, Korevaar JC, Lambalk CB, van der Veen F. Effect of clomifene citrate plus metformin and clomifene citrate plus placebo on induction of ovulation in women with newly diagnosed polycystic ovary syndrome: randomised double blind clinical trial. *BMJ.* 2006 Jun 24;332(7556):1485. Available from: PubMed; PMID 16769748
- Moll E, van der Veen F, van Wely M. The role of metformin in polycystic ovary syndrome: a systematic review. *Hum Reprod Update.* 2007 Nov-Dec;13(6):527-37. Available from: PubMed; PMID 17767003
- Moll E, Korevaar JC, Bossuyt PM, van der Veen F. Does adding metformin to clomifene citrate lead to higher pregnancy rates in a subset of women with polycystic ovary syndrome? *Hum Reprod.* 2008 Aug;23(8):1830-4. Available from: PubMed; PMID 18487613
- Montville CP, Khabbaz M, Aubuchon M, Williams DB, Thomas MA. Luteal support with intravaginal progesterone increases clinical pregnancy rates in women with polycystic ovary syndrome using letrozole for ovulation induction. *Fertil Steril.* 2010 Jul;94(2):678-83. Available from: PubMed; PMID 19515366
- Moran LJ, Noakes M, Clifton PM, Tomlinson L, Galletly C, Norman RJ. Dietary composition in restoring reproductive and metabolic physiology in overweight women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Feb;88(2):812-9. Available from: PubMed; PMID 12574218
- Moran LJ, Pasquali R, Teede HJ, Hoeger KM, Norman RJ. Treatment of obesity in polycystic ovary syndrome: a position statement of the Androgen Excess and Polycystic Ovary Syndrome Society. *Fertil Steril.* 2009 Dec;92(6):1966-82. Available from: PubMed; PMID 19062007
- Moran LJ, Meyer C, Hutchison SK, Zoungas S, Teede HJ. Novel inflammatory markers in overweight women with



- and without polycystic ovary syndrome and following pharmacological intervention. *J Endocrinol Invest.* 2010 Apr;33(4):258-65. Available from: PubMed; PMID 19834313
- Moran LJ, Hutchison SK, Norman RJ, Teede HJ. Lifestyle changes in women with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2011 (7):CD007506. Available from: PubMed; PMID 21735412
- Morgante G, Orvieto R, Di Sabatino A, Musacchio MC, De Leo V. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril.* 2011 Jun 30;95(8):2642-4. Available from: PubMed; PMID 21300338
- Morin-Papunen L, Rantala AS, Unkila-Kallio L, Tiitinen A, Hippelainen M, Perheentupa A, Tinkanen H, Bloigu R, Puukka K, Ruokonen A, Tapanainen JS. Metformin improves pregnancy and live-birth rates in women with polycystic ovary syndrome (PCOS): a multicenter, double-blind, placebo-controlled randomized trial. *J Clin Endocrinol Metab.* 2012 May;97(5):1492-500. Available from: PubMed; PMID 22419702
- Morrell MJ. Reproductive and metabolic disorders in women with epilepsy. *Epilepsia.* 2003;44 Suppl 4:11-20. Available from: PubMed; PMID 12823565
- Motta AB. Mechanisms involved in metformin action in the treatment of polycystic ovary syndrome. *Curr Pharm Des.* 2009;15(26):3074-7. Available from: PubMed; PMID 19754381
- Motta AB. Report of the international symposium: polycystic ovary syndrome: first Latin-American consensus. *Int J Clin Pract.* 2010 Apr;64(5):544-57. Available from: PubMed; PMID 20456209
- Motta AB. Dehydroepiandrosterone to induce murine models for the study of polycystic ovary syndrome. *J Steroid Biochem Mol Biol.* 2010 Apr;119(3-5):105-11. Available from: PubMed; PMID 20188831
- Muenstermann U, Kleinstein J. Long-term GnRH analogue treatment is equivalent to laparoscopic laser diathermy in polycystic ovarian syndrome patients with severe ovarian dysfunction. *Hum Reprod.* 2000 Dec;15(12):2526-30. Available from: PubMed; PMID 11098021
- Mulders AG, Laven JS, Imani B, Eijkemans MJ, Fauser BC. IVF outcome in anovulatory infertility (WHO group 2)--including polycystic ovary syndrome--following previous unsuccessful ovulation induction. *Reprod Biomed Online.* 2003 Jul-Aug;7(1):50-8. Available from: PubMed; PMID 12930574
- Myers ER, Silva SG, Hafley G, Kunselman AR, Nestler JE, Legro RS. Estimating live birth rates after ovulation induction in polycystic ovary syndrome: sample size calculations for the pregnancy in polycystic ovary syndrome trial. *Contemp Clin Trials.* 2005 Jun;26(3):271-80. Available from: PubMed; PMID 15911461
- Nader S. Ovulation induction in polycystic ovary syndrome. *Minerva Ginecol.* 2008 Feb;60(1):53-61. Available from: PubMed; PMID 18277352
- Nader S. Infertility and pregnancy in women with polycystic ovary syndrome. *Minerva Endocrinol.* 2010 Dec;35(4):211-25. Available from: PubMed; PMID 21178917
- Nader S. Reproductive endocrinology: live birth prediction in polycystic ovary syndrome. *Nat Rev Endocrinol.* 2010 Feb;6(2):64-6. Available from: PubMed; PMID 20098444
- Nafiye Y, Sevtap K, Muammer D, Emre O, Senol K, Leyla M. The effect of serum and intrafollicular insulin resistance parameters and homocysteine levels of nonobese, nonhyperandrogenemic polycystic ovary syndrome patients on in vitro fertilization outcome. *Fertil Steril.* 2010 Apr;93(6):1864-9. Available from: PubMed; PMID 19171332
- Nagele F, Sator MO, Juza J, Huber JC. Successful pregnancy resulting from in-vitro matured oocytes retrieved at laparoscopic surgery in a patient with polycystic ovary syndrome: case report. *Hum Reprod.* 2002 Feb;17(2):373-4. Available from: PubMed; PMID 11821281
- Nahuis MJ, Kose N, Bayram N, van Dessel HJ, Braat DD, Hamilton CJ, Hompes PG, Bossuyt PM, Mol BW, van der Veen F, van Wely M. Long-term outcomes in women with polycystic ovary syndrome initially randomized to receive laparoscopic electrocautery of the ovaries or ovulation induction with gonadotrophins. *Hum Reprod.* 2011 Jul;26(7):1899-904. Available from: PubMed; PMID 21576081
- Nardo LG, Rai R. Metformin therapy in the management of polycystic ovary syndrome: endocrine, metabolic and reproductive effects. *Gynecol Endocrinol.* 2001 Oct;15(5):373-80. Available from: PubMed; PMID 11727360
- Nardo LG, Patchava S, Laing I. Polycystic ovary syndrome: pathophysiology, molecular aspects and clinical implications. *Panminerva Med.* 2008 Dec;50(4):267-78. Available from: PubMed; PMID 19078868
- Nasr A. Effect of N-acetyl-cysteine after ovarian drilling in clomiphene citrate-resistant PCOS women: a pilot study. *Reprod Biomed Online.* 2010 Mar;20(3):403-9. Available from: PubMed; PMID 20089454
- Nawaz FH, Khalid R, Naru T, Rizvi J. Does continuous use of metformin throughout pregnancy improve pregnancy outcomes in women with polycystic ovarian syndrome? *J Obstet Gynaecol Res.* 2008 Oct;34(5):832-7. Available from: PubMed; PMID 18834342

- Nawaz FH, Rizvi J. Continuation of metformin reduces early pregnancy loss in obese Pakistani women with polycystic ovarian syndrome. *Gynecol Obstet Invest*. 2010;69(3):184-9. Available from: PubMed; PMID 20029224
- Nejad ES, Saedi T, Saedi S, Rashidi BH, Nekoo ZA, Jahangiri N. Comparison of in vitro fertilisation success in patients with polycystic ovary syndrome and tubal factor. *Gynecol Endocrinol*. 2011 Feb;27(2):117-20. Available from: PubMed; PMID 20636232
- Nelson SM, Fleming RF. The preconception contraception paradigm: obesity and infertility. *Hum Reprod*. 2007 Apr;22(4):912-5. Available from: PubMed; PMID 17172282
- Nestler JE, Stovall D, Akhter N, Iuorno MJ, Jakubowicz DJ. Strategies for the use of insulin-sensitizing drugs to treat infertility in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Feb;77(2):209-15. Available from: PubMed; PMID 11821072
- Nestler JE. Is metformin or clomiphene citrate more effective for ovulation induction in polycystic ovary syndrome? *Nat Clin Pract Endocrinol Metab*. 2006 Mar;2(3):128-9. Available from: PubMed; PMID 16932268
- Nestler JE. Metformin in the treatment of infertility in polycystic ovarian syndrome: an alternative perspective. *Fertil Steril*. 2008 Jul;90(1):14-6. Available from: PubMed; PMID 18550055
- Neveu N, Granger L, St-Michel P, Lavoie HB. Comparison of clomiphene citrate, metformin, or the combination of both for first-line ovulation induction and achievement of pregnancy in 154 women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jan;87(1):113-20. Available from: PubMed; PMID 17081535
- Ng EH, Wat NM, Ho PC. Effects of metformin on ovulation rate, hormonal and metabolic profiles in women with clomiphene-resistant polycystic ovaries: a randomized, double-blinded placebo-controlled trial. *Hum Reprod*. 2001 Aug;16(8):1625-31. Available from: PubMed; PMID 11473953
- Nisenblatt V, Norman RJ. Androgens and polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2009 Jun;16(3):224-31. Available from: PubMed; PMID 19390322
- Noczynska A, Wasikowa R. Hyperprolactinemia in children during the peripubertal period--personal observations. *J Pediatr Endocrinol Metab*. 2004 Oct;17(10):1399-404. Available from: PubMed; PMID 15526718
- Norman RJ, Wu R, Stankiewicz MT. 4: Polycystic ovary syndrome. *Med J Aust*. 2004 Feb 2;180(3):132-7. Available from: PubMed; PMID 14748678
- Nugent D, Vandekerckhove P, Hughes E, Arnot M, Lilford R. Gonadotrophin therapy for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2000 (4):CD000410. Available from: PubMed; PMID 11034687
- Oakes MB, Gomes CM, Fioravanti J, Serafini P, Motta EL, Smith GD. A case of oocyte and embryo vitrification resulting in clinical pregnancy. *Fertil Steril*. 2008 Nov;90(5):2013 e5-8. Available from: PubMed; PMID 18579138
- Onalan G, Pabuccu R, Goktolga U, Ceyhan T, Bagis T, Cincik M. Metformin treatment in patients with polycystic ovary syndrome undergoing in vitro fertilization: a prospective randomized trial. *Fertil Steril*. 2005 Sep;84(3):798-801. Available from: PubMed; PMID 16169430
- Onalan G, Selam B, Baran Y, Cincik M, Onalan R, Gunduz U, Ural AU, Pabuccu R. Serum and follicular fluid levels of soluble Fas, soluble Fas ligand and apoptosis of luteinized granulosa cells in PCOS patients undergoing IVF. *Hum Reprod*. 2005 Sep;20(9):2391-5. Available from: PubMed; PMID 15932917
- Ortega HH, Rey F, Velazquez MM, Padmanabhan V. Developmental programming: effect of prenatal steroid excess on intraovarian components of insulin signaling pathway and related proteins in sheep. *Biol Reprod*. 2010 Jun;82(6):1065-75. Available from: PubMed; PMID 20147730
- Ortega-Gonzalez C, Cardoza L, Coutino B, Hidalgo R, Arteaga-Troncoso G, Parra A. Insulin sensitizing drugs increase the endogenous dopaminergic tone in obese insulin-resistant women with polycystic ovary syndrome. *J Endocrinol*. 2005 Jan;184(1):233-9. Available from: PubMed; PMID 15642799
- Ortega-Gonzalez C, Luna S, Hernandez L, Crespo G, Aguayo P, Arteaga-Troncoso G, Parra A. Responses of serum androgen and insulin resistance to metformin and pioglitazone in obese, insulin-resistant women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Mar;90(3):1360-5. Available from: PubMed; PMID 15598674
- Orvieto R, Homburg R. Chronic ultra-low dose follicle-stimulating hormone regimen for patients with polycystic ovary syndrome: one click, one follicle, one pregnancy. *Fertil Steril*. 2009 Apr;91(4 Suppl):1533-5. Available from: PubMed; PMID 18990384
- Orvieto R, Meltzer S, Homburg R, Nahum R, Rabinson J, Ashkenazi J. What is the preferred GnRH analogue for polycystic ovary syndrome patients undergoing controlled ovarian hyperstimulation for in vitro fertilization? *Fertil Steril*. 2009 Apr;91(4 Suppl):1466-8. Available from: PubMed; PMID 18774558

- Orvieto R, Nahum R, Meltcer S, Homburg R, Rabinson J, Anteby EY, Ashkenazi J. Ovarian stimulation in polycystic ovary syndrome patients: the role of body mass index. *Reprod Biomed Online*. 2009 Mar;18(3):333-6. Available from: PubMed; PMID 19298731
- Orvieto R, Meltcer S, Liberty G, Rabinson J, Anteby EY, Nahum R. Does day-3 LH/FSH ratio influence in vitro fertilization outcome in PCOS patients undergoing controlled ovarian hyperstimulation with different GnRH-analogue? *Gynecol Endocrinol*. 2012 Jun;28(6):422-4. Available from: PubMed; PMID 22578028
- Ota H, Goto T, Yoshioka T, Ohyama N. Successful pregnancies treated with pioglitazone in infertile patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Sep;90(3):709-13. Available from: PubMed; PMID 18423625
- Ott J, Aust S, Kurz C, Nouri K, Wirth S, Huber JC, Mayerhofer K. Elevated antithyroid peroxidase antibodies indicating Hashimoto's thyroiditis are associated with the treatment response in infertile women with polycystic ovary syndrome. *Fertil Steril*. 2010 Dec;94(7):2895-7. Available from: PubMed; PMID 20638057
- Ott J, Kurz C, Nouri K, Wirth S, Vytiska-Binstorfer E, Huber JC, Mayerhofer K. Pregnancy outcome in women with polycystic ovary syndrome comparing the effects of laparoscopic ovarian drilling and clomiphene citrate stimulation in women pre-treated with metformin: a retrospective study. *Reprod Biol Endocrinol*. 2010;8:45. Available from: PubMed; PMID 20465786
- Ott J, Mayerhofer K, Aust S, Nouri K, Huber JC, Kurz C. A modified technique of laparoscopic ovarian drilling for polycystic ovary syndrome using the monopolar hook electrode. *Acta Obstet Gynecol Scand*. 2011 May;90(5):547-50. Available from: PubMed; PMID 21446991
- Owj M, Tehrani-Nejad ES, Amirchaghmaghi E, Baghestani AR, Ahmadi J. The role of ketoconazole in the prevention of ovarian hyperstimulation syndrome in patients with polycystic ovary syndrome during assisted reproductive technology cycles. *Saudi Med J*. 2005 Oct;26(10):1584-7. Available from: PubMed; PMID 16228060
- Ozgun MT, Uludag S, Oner G, Batukan C, Aygen EM, Sahin Y. The influence of obesity on ICSI outcomes in women with polycystic ovary syndrome. *J Obstet Gynaecol*. 2011;31(3):245-9. Available from: PubMed; PMID 21417650
- Pabuccu R, Kaya C, Caglar GS, Oztas E, Satiroglu H. Follicular-fluid anti-Mullerian hormone concentrations are predictive of assisted reproduction outcome in PCOS patients. *Reprod Biomed Online*. 2009 Nov;19(5):631-7. Available from: PubMed; PMID 20021712
- Padmanabhan V. Polycystic ovary syndrome--"A riddle wrapped in a mystery inside an enigma". *J Clin Endocrinol Metab*. 2009 Jun;94(6):1883-5. Available from: PubMed; PMID 19494163
- Padmanabhan V, Veiga-Lopez A, Abbott DH, Recabarren SE, Herkimer C. Developmental programming: impact of prenatal testosterone excess and postnatal weight gain on insulin sensitivity index and transfer of traits to offspring of overweight females. *Endocrinology*. 2010 Feb;151(2):595-605. Available from: PubMed; PMID 19966179
- Pagidas K, Carson SA, McGovern PG, Barnhart HX, Myers ER, Legro RS, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, Steinkampf MP, Cataldo NA, Nestler JE, Gosman G, Giudice LC. Intercourse compliance, ovulation, and treatment success in the National Institute of Child Health and Human Development-Reproductive Medicine Network's Pregnancy in Polycystic Ovary Syndrome (PPCOS) Trial. *Fertil Steril*. 2010 Sep;94(4):1444-6. Available from: PubMed; PMID 19540477
- Palep-Singh M, Picton HM, Vrotsou K, Maruthini D, Balen AH. South Asian women with polycystic ovary syndrome exhibit greater sensitivity to gonadotropin stimulation with reduced fertilization and ongoing pregnancy rates than their Caucasian counterparts. *Eur J Obstet Gynecol Reprod Biol*. 2007 Oct;134(2):202-7. Available from: PubMed; PMID 17367914
- Palomba S, Orio F, Jr., Nardo LG, Falbo A, Russo T, Corea D, Doldo P, Lombardi G, Tolino A, Colao A, Zullo F. Metformin administration versus laparoscopic ovarian diathermy in clomiphene citrate-resistant women with polycystic ovary syndrome: a prospective parallel randomized double-blind placebo-controlled trial. *J Clin Endocrinol Metab*. 2004 Oct;89(10):4801-9. Available from: PubMed; PMID 15472166
- Palomba S, Falbo A, Orio F, Jr., Manguso F, Russo T, Tolino A, Annamaria C, Dale B, Zullo F. A randomized controlled trial evaluating metformin pre-treatment and co-administration in non-obese insulin-resistant women with polycystic ovary syndrome treated with controlled ovarian stimulation plus timed intercourse or intrauterine insemination. *Hum Reprod*. 2005 Oct;20(10):2879-86. Available from: PubMed; PMID 15958399
- Palomba S, Orio F, Jr., Falbo A, Manguso F, Russo T, Cascella T, Tolino A, Carmina E, Colao A, Zullo F. Prospective parallel randomized, double-blind, double-dummy controlled clinical trial comparing clomiphene citrate and metformin as the first-line treatment for ovulation induction in nonobese anovulatory women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Jul;90(7):4068-74. Available from: PubMed; PMID 15840746
- Palomba S, Orio F, Jr., Falbo A, Russo T, Caterina G, Manguso F, Tolino A, Colao A, Zullo F. Metformin administration and laparoscopic ovarian drilling improve ovarian response to clomiphene citrate (CC) in oligo-anovulatory CC-resistant women with polycystic ovary

syndrome. *Clin Endocrinol (Oxf)*. 2005 Dec;63(6):631-5. Available from: PubMed; PMID 16343096

Palomba S, Orio F, Jr., Falbo A, Russo T, Tolino A, Zullo F. Plasminogen activator inhibitor 1 and miscarriage after metformin treatment and laparoscopic ovarian drilling in patients with polycystic ovary syndrome. *Fertil Steril*. 2005 Sep;84(3):761-5. Available from: PubMed; PMID 16169420

Palomba S, Falbo A, Orio F, Jr., Russo T, Sbano F, D'Alessandro P, Cariati F, Tolino A, Colao A, Zullo F. Efficacy of laparoscopic ovarian diathermy in clomiphene citrate-resistant women with polycystic ovary syndrome: relationships with chronological and ovarian age. *Gynecol Endocrinol*. 2006 Jun;22(6):329-35. Available from: PubMed; PMID 16785158

Palomba S, Falbo A, Orio F, Jr., Russo T, Tolino A, Zullo F. Metformin hydrochloride and recurrent miscarriage in a woman with polycystic ovary syndrome. *Fertil Steril*. 2006 May;85(5):1511 e3-5. Available from: PubMed; PMID 16647382

Palomba S, Russo T, Orio F, Jr., Falbo A, Manguso F, Sammartino A, Tolino A, Colao A, Carmina E, Zullo F. Uterine effects of clomiphene citrate in women with polycystic ovary syndrome: a prospective controlled study. *Hum Reprod*. 2006 Nov;21(11):2823-9. Available from: PubMed; PMID 16835214

Palomba S, Falbo A, Russo T, Manguso F, Tolino A, Zullo F, De Feo P, Orio F, Jr. Insulin sensitivity after metformin suspension in normal-weight women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Aug;92(8):3128-35. Available from: PubMed; PMID 17519312

Palomba S, Orio F, Jr., Falbo A, Russo T, Tolino A, Zullo F. Clomiphene citrate versus metformin as first-line approach for the treatment of anovulation in infertile patients with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Sep;92(9):3498-503. Available from: PubMed; PMID 17595241

Palomba S, Falbo A, Orio F, Jr., Russo T, Tolino A, Zullo F. Pretreatment with oral contraceptives in infertile anovulatory patients with polycystic ovary syndrome who receive gonadotropins for controlled ovarian stimulation. *Fertil Steril*. 2008 Jun;89(6):1838-42. Available from: PubMed; PMID 17980363

Palomba S, Falbo A, Orio F, Zullo F. Insulin-sensitizing agents and reproductive function in polycystic ovary syndrome patients. *Curr Opin Obstet Gynecol*. 2008 Aug;20(4):364-73. Available from: PubMed; PMID 18660688

Palomba S, Falbo A, Russo T, Orio F, Tollino A, Zullo F. Role of metformin in patients with polycystic ovary syndrome: the state of the art. *Minerva Ginecol*. 2008 Feb;60(1):77-82. Available from: PubMed; PMID 18277354

Palomba S, Giallauria F, Falbo A, Russo T, Oppedisano R, Tolino A, Colao A, Vigorito C, Zullo F, Orio F. Structured exercise training programme versus hypocaloric hyperproteic diet in obese polycystic ovary syndrome patients with anovulatory infertility: a 24-week pilot study. *Hum Reprod*. 2008 Mar;23(3):642-50. Available from: PubMed; PMID 18158291

Palomba S, Falbo A, Orio F, Jr., Zullo F. Effect of preconceptional metformin on abortion risk in polycystic ovary syndrome: a systematic review and meta-analysis of randomized controlled trials. *Fertil Steril*. 2009 Nov;92(5):1646-58. Available from: PubMed; PMID 18937939

Palomba S, Falbo A, Zullo F, Orio F, Jr. Evidence-based and potential benefits of metformin in the polycystic ovary syndrome: a comprehensive review. *Endocr Rev*. 2009 Feb;30(1):1-50. Available from: PubMed; PMID 19056992

Palomba S, Falbo A, Battista L, Russo T, Venturella R, Tolino A, Orio F, Zullo F. Laparoscopic ovarian diathermy vs clomiphene citrate plus metformin as second-line strategy for infertile anovulatory patients with polycystic ovary syndrome: a randomized controlled trial. *Am J Obstet Gynecol*. 2010 Jun;202(6):577 e1-8. Available from: PubMed; PMID 20096821

Palomba S, Falbo A, Giallauria F, Russo T, Rocca M, Tolino A, Zullo F, Orio F. Six weeks of structured exercise training and hypocaloric diet increases the probability of ovulation after clomiphene citrate in overweight and obese patients with polycystic ovary syndrome: a randomized controlled trial. *Hum Reprod*. 2010 Nov;25(11):2783-91. Available from: PubMed; PMID 20858697

Palomba S, Falbo A, Russo T, Battista L, Tolino A, Orio F, Zullo F. Uterine blood flow in pregnant patients with polycystic ovary syndrome: relationships with clinical outcomes. *BJOG*. 2010 May;117(6):711-21. Available from: PubMed; PMID 20236107

Palomba S, Falbo A, Russo T, Tolino A, Orio F, Zullo F. Pregnancy in women with polycystic ovary syndrome: the effect of different phenotypes and features on obstetric and neonatal outcomes. *Fertil Steril*. 2010 Oct;94(5):1805-11. Available from: PubMed; PMID 20004377

Palomba S, Falbo A, Carrillo L, Villani MT, Orio F, Russo T, Di Cello A, Cappiello F, Capasso S, Tolino A, Colao A, Mastrantonio P, La Sala GB, Zullo F, Cittadini E. Metformin reduces risk of ovarian hyperstimulation syndrome in patients with polycystic ovary syndrome during gonadotropin-stimulated in vitro fertilization cycles: a randomized, controlled trial. *Fertil Steril*. 2011 Dec;96(6):1384-90 e4. Available from: PubMed; PMID 21982727

Palomba S, Falbo A, Di Cello A, Cappiello F, Tolino A, Zullo F. Does metformin affect the ovarian response to gonadotropins for in vitro fertilization treatment in patients

with polycystic ovary syndrome and reduced ovarian reserve? A randomized controlled trial. *Fertil Steril*. 2011 Nov;96(5):1128-33. Available from: PubMed; PMID 21917254

Palomba S, Falbo A, Russo T, Rivoli L, Orio M, Cosco AG, Vero R, Capula C, Tolino A, Zullo F, Colao A, Orio F. The risk of a persistent glucose metabolism impairment after gestational diabetes mellitus is increased in patients with polycystic ovary syndrome. *Diabetes Care*. 2012 Apr;35(4):861-7. Available from: PubMed; PMID 22338097

Palomba S, Russo T, Falbo A, Di Cello A, Amendola G, Mazza R, Tolino A, Zullo F, Tucci L, La Sala GB. Decidual endovascular trophoblast invasion in women with polycystic ovary syndrome: an experimental case-control study. *J Clin Endocrinol Metab*. 2012 Jul;97(7):2441-9. Available from: PubMed; PMID 22508703

Pandolfi C, Zugaro A, Lattanzio F, Necozone S, Barbonetti A, Colangeli MS, Francavilla S, Francavilla F. Low birth weight and later development of insulin resistance and biochemical/clinical features of polycystic ovary syndrome. *Metabolism*. 2008 Jul;57(7):999-1004. Available from: PubMed; PMID 18555843

Panidis D, Macut D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Spanos N, Petakov M, Bjekic J, Damjanovic S. Indices of insulin sensitivity, beta cell function and serum proinsulin levels in the polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2006 Jul;127(1):99-105. Available from: PubMed; PMID 16460870

Papaleo E, Doldi N, De Santis L, Marelli G, Marsiglio E, Rofena S, Ferrari A. Cabergoline influences ovarian stimulation in hyperprolactinaemic patients with polycystic ovary syndrome. *Hum Reprod*. 2001 Nov;16(11):2263-6. Available from: PubMed; PMID 11679501

Papaleo E, Unfer V, Baillargeon JP, De Santis L, Fusi F, Brigante C, Marelli G, Cino I, Redaelli A, Ferrari A. Myo-inositol in patients with polycystic ovary syndrome: a novel method for ovulation induction. *Gynecol Endocrinol*. 2007 Dec;23(12):700-3. Available from: PubMed; PMID 17952759

Papaleo E. Inositol effects on ovulation induction in patients with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):e47; author reply e9. Available from: PubMed; PMID 21496806

Parsanezhad ME, Alborzi S, Motazedian S, Omrani G. Use of dexamethasone and clomiphene citrate in the treatment of clomiphene citrate-resistant patients with polycystic ovary syndrome and normal dehydroepiandrosterone sulfate levels: a prospective, double-blind, placebo-controlled trial. *Fertil Steril*. 2002 Nov;78(5):1001-4. Available from: PubMed; PMID 12413984

Parsanezhad ME, Alborzi S, Pakniat M, Schmidt EH. A double-blind, randomized, placebo-controlled study to

assess the efficacy of ketoconazole for reducing the risk of ovarian hyperstimulation syndrome. *Fertil Steril*. 2003 Nov;80(5):1151-5. Available from: PubMed; PMID 14607566

Parsanezhad ME, Alborzi S, Namavar Jahromi B. A prospective, double-blind, randomized, placebo-controlled clinical trial of bromocriptin in clomiphene-resistant patients with polycystic ovary syndrome and normal prolactin level. *Arch Gynecol Obstet*. 2004 Jan;269(2):125-9. Available from: PubMed; PMID 14648180

Pasquali R, Gambineri A, Pagotto U. The impact of obesity on reproduction in women with polycystic ovary syndrome. *BJOG*. 2006 Oct;113(10):1148-59. Available from: PubMed; PMID 16827825

Patel SM, Nestler JE. Fertility in polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2006 Mar;35(1):137-55, vii. Available from: PubMed; PMID 16310646

Pelusi B, Gambineri A, Pasquali R. Type 2 diabetes and the polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):41-51. Available from: PubMed; PMID 14973409

Pembe AB, Abeid MS. Polycystic ovaries and associated clinical and biochemical features among women with infertility in a tertiary hospital in Tanzania. *Tanzan J Health Res*. 2009 Oct;11(4):175-80. Available from: PubMed; PMID 20734696

Pena O, Palumbo A, Gonzalez-Fernandez R, Hernandez J, Naftolin F, Avila J. Expression of angiotensin II type 1 (AT1) and angiotensin II type 2 (AT2) receptors in human granulosa-lutein (GL) cells: correlation with infertility diagnoses. *Fertil Steril*. 2010 Mar 15;93(5):1601-8. Available from: PubMed; PMID 19524223

Peppard HR, Marfori J, Iuorno MJ, Nestler JE. Prevalence of polycystic ovary syndrome among premenopausal women with type 2 diabetes. *Diabetes Care*. 2001 Jun;24(6):1050-2. Available from: PubMed; PMID 11375369

Perez-Bravo F, Carrasco E, Echiburru B, Maliqueo M, Diaz J, Sir-Petermann T. Serological markers of autoimmunity in pregnant women with polycystic ovary syndrome: a pilot study. *Gynecol Endocrinol*. 2010 Dec;26(12):889-93. Available from: PubMed; PMID 20504101

Phipps WR. Polycystic ovary syndrome and ovulation induction. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):165-82. Available from: PubMed; PMID 11293001

Pirwany I, Tulandi T. Laparoscopic treatment of polycystic ovaries: is it time to relinquish the procedure? *Fertil Steril*. 2003 Aug;80(2):241-51. Available from: PubMed; PMID 12909478

- Plati E, Kouskouni E, Malamitsi-Puchner A, Boutsikou M, Kaparos G, Baka S. Visfatin and leptin levels in women with polycystic ovaries undergoing ovarian stimulation. *Fertil Steril*. 2010 Sep;94(4):1451-6. Available from: PubMed; PMID 19523615
- Polyzos NP, Tsappi M, Mauri D, Atay V, Cortinovis I, Casazza G. Aromatase inhibitors for infertility in polycystic ovary syndrome. The beginning or the end of a new era? *Fertil Steril*. 2008 Feb;89(2):278-80. Available from: PubMed; PMID 18275882
- Poujade O, Gervaise A, Faivre E, Deffieux X, Fernandez H. Surgical management of infertility due to polycystic ovarian syndrome after failure of medical management. *Eur J Obstet Gynecol Reprod Biol*. 2011 Oct;158(2):242-7. Available from: PubMed; PMID 21641713
- Pundir J, Sunkara SK, El-Toukhy T, Khalaf Y. Meta-analysis of GnRH antagonist protocols: do they reduce the risk of OHSS in PCOS? *Reprod Biomed Online*. 2012 Jan;24(1):6-22. Available from: PubMed; PMID 22133908
- Qiao J, Wang L, Li R, Zhang X. Microarray evaluation of endometrial receptivity in Chinese women with polycystic ovary syndrome. *Reprod Biomed Online*. 2008 Sep;17(3):425-35. Available from: PubMed; PMID 18765015
- Qiao J, Feng HL. Extra- and intra-ovarian factors in polycystic ovary syndrome: impact on oocyte maturation and embryo developmental competence. *Hum Reprod Update*. 2011 Jan-Feb;17(1):17-33. Available from: PubMed; PMID 20639519
- Qublan HS, Yannakoula EK, Al-Qudah MA, El-Uri FI. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovary syndrome. A prospective comparative study. *Saudi Med J*. 2007 Nov;28(11):1694-9. Available from: PubMed; PMID 17965792
- Qublan HS, Al-Khaderei S, Abu-Salem AN, Al-Zpoon A, Al-Khateeb M, Al-Ibrahim N, Megdadi M, Al-Ahmad N. Metformin in the treatment of clomiphene citrate-resistant women with polycystic ovary syndrome undergoing in vitro fertilisation treatment: a randomised controlled trial. *J Obstet Gynaecol*. 2009 Oct;29(7):651-5. Available from: PubMed; PMID 19757275
- Raffone E, Rizzo P, Benedetto V. Insulin sensitiser agents alone and in co-treatment with r-FSH for ovulation induction in PCOS women. *Gynecol Endocrinol*. 2010 Apr;26(4):275-80. Available from: PubMed; PMID 20222840
- Rai R, Backos M, Rushworth F, Regan L. Polycystic ovaries and recurrent miscarriage--a reappraisal. *Hum Reprod*. 2000 Mar;15(3):612-5. Available from: PubMed; PMID 10686206
- Raja-Khan N, Kunselman AR, Hogeman CS, Stetter CM, Demers LM, Legro RS. Effects of atorvastatin on vascular function, inflammation, and androgens in women with polycystic ovary syndrome: a double-blind, randomized, placebo-controlled trial. *Fertil Steril*. 2011 Apr;95(5):1849-52. Available from: PubMed; PMID 21144505
- Ramezanzadeh F, Nasiri R, Sarafraz Yazdi M, Baghrei M. A randomized trial of ovulation induction with two different doses of Letrozole in women with PCOS. *Arch Gynecol Obstet*. 2011 Oct;284(4):1029-34. Available from: PubMed; PMID 21735192
- Ramidi G, Khan N, Glueck CJ, Wang P, Goldenberg N. Enoxaparin-metformin and enoxaparin alone may safely reduce pregnancy loss. *Transl Res*. 2009 Jan;153(1):33-43. Available from: PubMed; PMID 19100956
- Ramzy AM, Al-Inany H, Aboulfoutouh I, Sataar M, Idrees OA, Shehata MH. Ultrasonographic guided ovarian stroma hydrocoagulation for ovarian stimulation in polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2001 Nov;80(11):1046-50. Available from: PubMed; PMID 11703206
- Rashidi B, Haghollahi F, Shariat M, Zayerii F. The effects of calcium-vitamin D and metformin on polycystic ovary syndrome: a pilot study. *Taiwan J Obstet Gynecol*. 2009 Jun;48(2):142-7. Available from: PubMed; PMID 19574176
- Ratts VS, Pauls RN, Pinto AB, Kraja A, Williams DB, Odem RR. Risk of multiple gestation after ovulation induction in polycystic ovary syndrome. *J Reprod Med*. 2007 Oct;52(10):896-900. Available from: PubMed; PMID 17977162
- Rausch ME, Legro RS, Barnhart HX, Schlaff WD, Carr BR, Diamond MP, Carson SA, Steinkampf MP, McGovern PG, Cataldo NA, Gosman GG, Nestler JE, Giudice LC, Leppert PC, Myers ER, Coutifaris C. Predictors of pregnancy in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2009 Sep;94(9):3458-66. Available from: PubMed; PMID 19509098
- Reinblatt SL, Buckett W. In vitro maturation for patients with polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):121-6. Available from: PubMed; PMID 18181090
- Reinblatt SL, Son WY, Shalom-Paz E, Holzer H. Controversies in IVF. *J Assist Reprod Genet*. 2011 Jun;28(6):525-30. Available from: PubMed; PMID 21556889
- Reyes-Munoz E, Castellanos-Barroso G, Ramirez-Eugenio BY, Ortega-Gonzalez C, Parra A, Castillo-Mora A, De la Jara-Diaz JF. The risk of gestational diabetes mellitus among Mexican women with a history of infertility and polycystic ovary syndrome. *Fertil Steril*. 2012 Jun;97(6):1467-71. Available from: PubMed; PMID 22503417

Rice S, Ojha K, Whitehead S, Mason H. Stage-specific expression of androgen receptor, follicle-stimulating hormone receptor, and anti-Mullerian hormone type II receptor in single, isolated, human preantral follicles: relevance to polycystic ovaries. *J Clin Endocrinol Metab.* 2007 Mar;92(3):1034-40. Available from: PubMed; PMID 17179193

Richardson MR. Current perspectives in polycystic ovary syndrome. *Am Fam Physician.* 2003 Aug 15;68(4):697-704. Available from: PubMed; PMID 12952386

Rizk AY, Bedaiwy MA, Al-Inany HG. N-acetyl-cysteine is a novel adjuvant to clomiphene citrate in clomiphene citrate-resistant patients with polycystic ovary syndrome. *Fertil Steril.* 2005 Feb;83(2):367-70. Available from: PubMed; PMID 15705376

Rizzo P, Raffone E. Comments on the role of inositol supplementation in patients with polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):e48; author reply e9. Available from: PubMed; PMID 21496811

Roland AV, Nunemaker CS, Keller SR, Moenter SM. Prenatal androgen exposure programs metabolic dysfunction in female mice. *J Endocrinol.* 2010 Nov;207(2):213-23. Available from: PubMed; PMID 20713501

Roos N, Kieler H, Sahlin L, Ekman-Ordeberg G, Falconer H, Stephansson O. Risk of adverse pregnancy outcomes in women with polycystic ovary syndrome: population based cohort study. *BMJ.* 2011;343:d6309. Available from: PubMed; PMID 21998337

Rosenfield RL. Clinical review: Identifying children at risk for polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Mar;92(3):787-96. Available from: PubMed; PMID 17179197

Rouzi AA, Ardawi MS. A randomized controlled trial of the efficacy of rosiglitazone and clomiphene citrate versus metformin and clomiphene citrate in women with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril.* 2006 Feb;85(2):428-35. Available from: PubMed; PMID 16595222

Roy KK, Baruah J, Moda N, Kumar S. Evaluation of unilateral versus bilateral ovarian drilling in clomiphene citrate resistant cases of polycystic ovarian syndrome. *Arch Gynecol Obstet.* 2009 Oct;280(4):573-8. Available from: PubMed; PMID 19214545

Sadrzadeh S, Klip WA, Broekmans FJ, Schats R, Willemsen WN, Burger CW, Van Leeuwen FE, Lambalk CB. Birth weight and age at menarche in patients with polycystic ovary syndrome or diminished ovarian reserve, in a retrospective cohort. *Hum Reprod.* 2003 Oct;18(10):2225-30. Available from: PubMed; PMID 14507847

Sahin Y, Yirmibes U, Kelestimur F, Aygen E. The effects of metformin on insulin resistance, clomiphene-induced ovulation and pregnancy rates in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Apr 15;113(2):214-20. Available from: PubMed; PMID 15063963

Sahu B, Ozturk O, Ranierrri M, Serhal P. Comparison of oocyte quality and intracytoplasmic sperm injection outcome in women with isolated polycystic ovaries or polycystic ovarian syndrome. *Arch Gynecol Obstet.* 2008 Mar;277(3):239-44. Available from: PubMed; PMID 17899140

Saleh AM, Khalil HS. Review of nonsurgical and surgical treatment and the role of insulin-sensitizing agents in the management of infertile women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand.* 2004 Jul;83(7):614-21. Available from: PubMed; PMID 15225184

Salobir B, Prezelj J, Kocijancic A, Meden-Vrtovec H. Basal glucose level as an independent predictor of fertilization rate in patients without polycystic ovary syndrome included in an in-vitro fertilization program. *Wien Klin Wochenschr.* 2002 Jun 28;114(12):454-7. Available from: PubMed; PMID 12422580

Salvesen KA, Vanky E, Carlsen SM. Metformin treatment in pregnant women with polycystic ovary syndrome--is reduced complication rate mediated by changes in the uteroplacental circulation? *Ultrasound Obstet Gynecol.* 2007 Apr;29(4):433-7. Available from: PubMed; PMID 17330831

Sangraula H, Paudel KR, Sharma M. Metformin and troglitazone in the treatment of female infertility associated with polycystic ovarian syndrome. *JNMA J Nepal Med Assoc.* 2009 Oct-Dec;48(176):335-9. Available from: PubMed; PMID 21105563

Sastre ME, Prat MO, Checa MA, Carreras RC. Current trends in the treatment of polycystic ovary syndrome with desire for children. *Ther Clin Risk Manag.* 2009 Apr;5(2):353-60. Available from: PubMed; PMID 19536311

Schlaff WD, Zhang H, Diamond MP, Coutifaris C, Casson PR, Brzyski RG, Christman GM, Barnhart KT, Trussell JC, Krawetz SA, Snyder PJ, Ohl D, Santoro N, Eisenberg E, Huang H, Legro RS. Increasing burden of institutional review in multicenter clinical trials of infertility: the Reproductive Medicine Network experience with the Pregnancy in Polycystic Ovary Syndrome (PPCOS) I and II studies. *Fertil Steril.* 2011 Jul;96(1):15-8. Available from: PubMed; PMID 21645894

Schoyer KD, Liu HC, Witkin S, Rosenwaks Z, Spandorfer SD. Serum insulin-like growth factor I (IGF-I) and IGF-binding protein 3 (IGFBP-3) in IVF patients with polycystic ovary syndrome: correlations with outcome. *Fertil Steril.* 2007 Jul;88(1):139-44. Available from: PubMed; PMID 17320874

Schroder AK, Tauchert S, Ortmann O, Diedrich K, Weiss JM. Insulin resistance in patients with polycystic ovary syndrome. *Ann Med*. 2004;36(6):426-39. Available from: PubMed; PMID 15513294

Seale FGt, Robinson RD, Neal GS. Association of metformin and pregnancy in the polycystic ovary syndrome. A report of three cases. *J Reprod Med*. 2000 Jun;45(6):507-10. Available from: PubMed; PMID 10900588

Segal S, Glatstein I, McShane P, Hotamisligil S, Ezcurra D, Carson R. Premature luteinization and in vitro fertilization outcome in gonadotropin/gonadotropin-releasing hormone antagonist cycles in women with polycystic ovary syndrome. *Fertil Steril*. 2009 May;91(5):1755-9. Available from: PubMed; PMID 18394616

Seli E, Duleba AJ. Should patients with polycystic ovarian syndrome be treated with metformin? *Hum Reprod*. 2002 Sep;17(9):2230-6. Available from: PubMed; PMID 12202407

Seli E, Duleba AJ. Optimizing ovulation induction in women with polycystic ovary syndrome. *Curr Opin Obstet Gynecol*. 2002 Jun;14(3):245-54. Available from: PubMed; PMID 12032379

Seow KM, Juan CC, Hsu YP, Ho LT, Wang YY, Hwang JL. Serum and follicular resistin levels in women with polycystic ovarian syndrome during IVF-stimulated cycles. *Hum Reprod*. 2005 Jan;20(1):117-21. Available from: PubMed; PMID 15513972

Shalev E, Goldman S, Ben-Shlomo I. The balance between MMP-9 and MMP-2 and their tissue inhibitor (TIMP)-1 in luteinized granulosa cells: comparison between women with PCOS and normal ovulatory women. *Mol Hum Reprod*. 2001 Apr;7(4):325-31. Available from: PubMed; PMID 11279294

Shalom-Paz E, Almog B, Wisner A, Levin I, Reinblatt S, Das M, Son WY, Hananel H. Priming in vitro maturation cycles with gonadotropins: salvage treatment for nonresponding patients. *Fertil Steril*. 2011 Aug;96(2):340-3. Available from: PubMed; PMID 21718997

Shalom-Paz E, Marzal A, Wisner A, Almog B, Reinblatt S, Tulandi T, Holzer H. Effects of different body mass indices on in vitro maturation in women with polycystic ovaries. *Fertil Steril*. 2011 Aug;96(2):336-9. Available from: PubMed; PMID 21704986

Shang K, Jia X, Qiao J, Kang J, Guan Y. Endometrial abnormality in women with polycystic ovary syndrome. *Reprod Sci*. 2012 Jul;19(7):674-83. Available from: PubMed; PMID 22534323

Sherer DM, Dalloul M, Khoury-Collado F, Hellman M, Osho JA, Gupta RS, Abulafia O. Hyperreactio luteinalis presenting with marked hyperglycemia and bilateral

multicystic adnexal masses at 21 weeks gestation. *Am J Perinatol*. 2006 Feb;23(2):85-8. Available from: PubMed; PMID 16506113

Shibahara H, Kikuchi K, Hirano Y, Suzuki T, Takamizawa S, Suzuki M. Increase of multiple pregnancies caused by ovulation induction with gonadotropin in combination with metformin in infertile women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1487-90. Available from: PubMed; PMID 17254579

Shokeir T, El-Kannishy G. Rosiglitazone as treatment for clomiphene citrate-resistant polycystic ovary syndrome: factors associated with clinical response. *J Womens Health (Larchmt)*. 2008 Nov;17(9):1445-52. Available from: PubMed; PMID 18973428

Shokeir T. Laparoscopic ovarian diathermy after clomiphene failure in polycystic ovary syndrome: is it worthwhile? A randomized controlled trial. *Arch Gynecol Obstet*. 2011 Dec;284(6):1593. Available from: PubMed; PMID 21842175

Siassakos D, Wardle P. Polycystic ovary syndrome and pregnancy outcome: red herring or red flag? *BJOG*. 2007 Aug;114(8):922-32. Available from: PubMed; PMID 17635486

Siebert TI, Kruger TF, Steyn DW, Nosarka S. Is the addition of metformin efficacious in the treatment of clomiphene citrate-resistant patients with polycystic ovary syndrome? A structured literature review. *Fertil Steril*. 2006 Nov;86(5):1432-7. Available from: PubMed; PMID 17007847

Siebert TI, Viola MI, Steyn DW, Kruger TF. Is metformin indicated as primary ovulation induction agent in women with PCOS? A systematic review and meta-analysis. *Gynecol Obstet Invest*. 2012;73(4):304-13. Available from: PubMed; PMID 22516925

Sills ES, Perloe M, Palermo GD. Correction of hyperinsulinemia in oligoovulatory women with clomiphene-resistant polycystic ovary syndrome: a review of therapeutic rationale and reproductive outcomes. *Eur J Obstet Gynecol Reprod Biol*. 2000 Aug;91(2):135-41. Available from: PubMed; PMID 10869785

Simoni M, Tempfer CB, Destenaves B, Fauser BC. Functional genetic polymorphisms and female reproductive disorders: Part I: Polycystic ovary syndrome and ovarian response. *Hum Reprod Update*. 2008 Sep-Oct;14(5):459-84. Available from: PubMed; PMID 18603647

Sir-Petermann T, Maliqueo M, Angel B, Lara HE, Perez-Bravo F, Recabarren SE. Maternal serum androgens in pregnant women with polycystic ovarian syndrome: possible implications in prenatal androgenization. *Hum Reprod*. 2002 Oct;17(10):2573-9. Available from: PubMed; PMID 12351531



- Sir-Petermann T, Hitchensfeld C, Maliqueo M, Codner E, Echiburu B, Gazitua R, Recabarren S, Cassorla F. Birth weight in offspring of mothers with polycystic ovarian syndrome. *Hum Reprod.* 2005 Aug;20(8):2122-6. Available from: PubMed; PMID 15802312
- Sir-Petermann T, Codner E, Maliqueo M, Echiburu B, Hitchensfeld C, Crisosto N, Perez-Bravo F, Recabarren SE, Cassorla F. Increased anti-Mullerian hormone serum concentrations in prepubertal daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 Aug;91(8):3105-9. Available from: PubMed; PMID 16720659
- Sir-Petermann T, Echiburu B, Maliqueo MM, Crisosto N, Sanchez F, Hitchensfeld C, Carcamo M, Amigo P, Perez-Bravo F. Serum adiponectin and lipid concentrations in pregnant women with polycystic ovary syndrome. *Hum Reprod.* 2007 Jul;22(7):1830-6. Available from: PubMed; PMID 17468256
- Sir-Petermann T, Ladron de Guevara A, Codner E, Preisler J, Crisosto N, Echiburu B, Maliqueo M, Sanchez F, Perez-Bravo F, Cassorla F. Relationship between anti-Mullerian hormone (AMH) and insulin levels during different tanner stages in daughters of women with polycystic ovary syndrome. *Reprod Sci.* 2012 Apr;19(4):383-90. Available from: PubMed; PMID 22344736
- Sohrabvand F, Ansari S, Bagheri M. Efficacy of combined metformin-letrozole in comparison with metformin-clomiphene citrate in clomiphene-resistant infertile women with polycystic ovarian disease. *Hum Reprod.* 2006 Jun;21(6):1432-5. Available from: PubMed; PMID 16478764
- Sohrabvand F, Shariat M, Haghollahi F, Bagheri B. Effect of metformin on miscarriage in pregnant patients with polycystic ovary syndrome. *West Indian Med J.* 2009 Nov;58(5):433-6. Available from: PubMed; PMID 20441061
- Son WY, Yoon SH, Lee SW, Ko Y, Yoon HG, Lim JH. Blastocyst development and pregnancies after IVF of mature oocytes retrieved from unstimulated patients with PCOS after in-vivo HCG priming. *Hum Reprod.* 2002 Jan;17(1):134-6. Available from: PubMed; PMID 11756376
- Son WY, Yoon SH, Park SJ, Yoon HJ, Lee WD, Lim JH. Ongoing twin pregnancy after vitrification of blastocysts produced by in-vitro matured oocytes retrieved from a woman with polycystic ovary syndrome: Case report. *Hum Reprod.* 2002 Nov;17(11):2963-6. Available from: PubMed; PMID 12407057
- Son WY, Lee SY, Chang MJ, Yoon SH, Chian RC, Lim JH. Pregnancy resulting from transfer of repeat vitrified blastocysts produced by in-vitro matured oocytes in patient with polycystic ovary syndrome. *Reprod Biomed Online.* 2005 Mar;10(3):398-401. Available from: PubMed; PMID 15820051
- Son WY, Tan SL. Laboratory and embryological aspects of hCG-primed in vitro maturation cycles for patients with polycystic ovaries. *Hum Reprod Update.* 2010 Nov-Dec;16(6):675-89. Available from: PubMed; PMID 20504873
- Sova H, Puistola U, Morin-Papunen L, Karihtala P. Metformin decreases serum 8-hydroxy-2'-deoxyguanosine levels in polycystic ovary syndrome. *Fertil Steril.* 2012 Oct 31. Available from: PubMed; PMID 23122829
- Stadtmauer LA, Toma SK, Riehl RM, Talbert LM. Metformin treatment of patients with polycystic ovary syndrome undergoing in vitro fertilization improves outcomes and is associated with modulation of the insulin-like growth factors. *Fertil Steril.* 2001 Mar;75(3):505-9. Available from: PubMed; PMID 11239532
- Stadtmauer LA, Toma SK, Riehl RM, Talbert LM. Impact of metformin therapy on ovarian stimulation and outcome in 'coasted' patients with polycystic ovary syndrome undergoing in-vitro fertilization. *Reprod Biomed Online.* 2002 Sep-Oct;5(2):112-6. Available from: PubMed; PMID 12419034
- Stadtmauer LA, Wong BC, Oehninger S. Should patients with polycystic ovary syndrome be treated with metformin? Benefits of insulin sensitizing drugs in polycystic ovary syndrome--beyond ovulation induction. *Hum Reprod.* 2002 Dec;17(12):3016-26. Available from: PubMed; PMID 12456596
- Stadtmauer L, Oehninger S. Management of infertility in women with polycystic ovary syndrome : a practical guide. *Treat Endocrinol.* 2005;4(5):279-92. Available from: PubMed; PMID 16185097
- Stadtmauer LA, Sarhan A, Duran EH, Beydoun H, Bocca S, Pultz B, Oehninger S. The impact of a gonadotropin-releasing hormone antagonist on gonadotropin ovulation induction cycles in women with polycystic ovary syndrome: a prospective randomized study. *Fertil Steril.* 2011 Jan;95(1):216-20. Available from: PubMed; PMID 20594551
- Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology.* 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266
- Stegmann BJ, Craig HR, Bay RC, Coonrod DV, Brady MJ, Garbaciak JA, Jr. Characteristics predictive of response to ovarian diathermy in women with polycystic ovarian syndrome. *Am J Obstet Gynecol.* 2003 May;188(5):1171-3. Available from: PubMed; PMID 12748468
- Stone JA, Yoder KK, Case EA. Delivery of a full-term pregnancy after TCM treatment in a previously infertile patient diagnosed with polycystic ovary syndrome. *Altern*

- Ther Health Med. 2009 Jan-Feb;15(1):50-2. Available from: PubMed; PMID 19161048
- Sturrock ND, Lannon B, Fay TN. Metformin does not enhance ovulation induction in clomiphene resistant polycystic ovary syndrome in clinical practice. *Br J Clin Pharmacol*. 2002 May;53(5):469-73. Available from: PubMed; PMID 11994052
- Su HY, Ding DC, Chen DC, Hwang KS, Ko CS. Laparoscopic ovarian drilling with diathermy in the treatment of infertile women with polycystic ovaries. *J Chin Med Assoc*. 2003 Aug;66(8):492-6. Available from: PubMed; PMID 14604314
- Sugiura-Ogasawara M, Sato T, Suzumori N, Kitaori T, Kumagai K, Ozaki Y. The polycystic ovary syndrome does not predict further miscarriage in Japanese couples experiencing recurrent miscarriages. *Am J Reprod Immunol*. 2009 Jan;61(1):62-7. Available from: PubMed; PMID 19086993
- Sun L, Lv H, Wei W, Zhang D, Guan Y. Angiotensin-converting enzyme D/I and plasminogen activator inhibitor-1 4G/5G gene polymorphisms are associated with increased risk of spontaneous abortions in polycystic ovarian syndrome. *J Endocrinol Invest*. 2010 Feb;33(2):77-82. Available from: PubMed; PMID 19636212
- Sung JF, Taslimi MM, El-Sayed YY. Continuous glucose monitoring during pregnancy in women with polycystic ovary syndrome. *Obstet Gynecol*. 2012 Feb;119(2 Pt 1):383-4; author reply 4. Available from: PubMed; PMID 22270301
- Sverrisdottir YB, Mogren T, Kataoka J, Janson PO, Stener-Victorin E. Is polycystic ovary syndrome associated with high sympathetic nerve activity and size at birth? *Am J Physiol Endocrinol Metab*. 2008 Mar;294(3):E576-81. Available from: PubMed; PMID 18198350
- Swanton A, Lighten A, Granne I, McVeigh E, Lavery S, Trew G, Talmor A, Raine-Fenning N, Jayaprakasan K, Child T. Do women with ovaries of polycystic morphology without any other features of PCOS benefit from short-term metformin co-treatment during IVF? A double-blind, placebo-controlled, randomized trial. *Hum Reprod*. 2011 Aug;26(8):2178-84. Available from: PubMed; PMID 21593045
- Szilagyi A, Szabo I. Endocrine characteristics of polycystic ovary syndrome (PCOS). *Indian J Exp Biol*. 2003 Jul;41(7):694-700. Available from: PubMed; PMID 15255372
- Szilagyi A, Bartfai G, Manfai A, Koloszar S, Pal A, Szabo I. Low-dose ovulation induction with urinary gonadotropins or recombinant follicle stimulating hormone in patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Jan;18(1):17-22. Available from: PubMed; PMID 15106360
- Takeuchi S, Futamura N, Takubo S, Noda N, Minoura H, Toyoda N. Polycystic ovary syndrome treated with laparoscopic ovarian drilling with a harmonic scalpel. A prospective, randomized study. *J Reprod Med*. 2002 Oct;47(10):816-20. Available from: PubMed; PMID 12418063
- Tang T, Glanville J, Hayden CJ, White D, Barth JH, Balen AH. Combined lifestyle modification and metformin in obese patients with polycystic ovary syndrome. A randomized, placebo-controlled, double-blind multicentre study. *Hum Reprod*. 2006 Jan;21(1):80-9. Available from: PubMed; PMID 16199429
- Tang T, Glanville J, Orsi N, Barth JH, Balen AH. The use of metformin for women with PCOS undergoing IVF treatment. *Hum Reprod*. 2006 Jun;21(6):1416-25. Available from: PubMed; PMID 16501038
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev*. 2010 (1):CD003053. Available from: PubMed; PMID 20091537
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev*. 2012;5:CD003053. Available from: PubMed; PMID 22592687
- Tartagni M, Damiani GR, Di Naro E, Persiani P, Crescini C, Loverro G. Pregnancy in a woman with premature ovarian insufficiency undergoing intracytoplasmic sperm injection after pretreatment with estrogens followed by therapy with estrogens associated with ovarian stimulation with gonadotropins: remarks about oocyte and embryo quality. *Menopause*. 2011 Aug;18(8):932-4. Available from: PubMed; PMID 21552164
- Tasdemir S, Ficicioglu C, Yalti S, Gurbuz B, Basaran T, Yildirim G. The effect of metformin treatment to ovarian response in cases with PCOS. *Arch Gynecol Obstet*. 2004 Jan;269(2):121-4. Available from: PubMed; PMID 12764624
- Tehranejad ES, Nasiri R, Rashidi B, Haghollahi F, Ataie M. Comparison of GnRH antagonist with long GnRH agonist protocol after OCP pretreatment in PCOs patients. *Arch Gynecol Obstet*. 2010 Sep;282(3):319-25. Available from: PubMed; PMID 20379731
- Teissier MP, Chable H, Paulhac S, Aubard Y. Comparison of follicle steroidogenesis from normal and polycystic ovaries in women undergoing IVF: relationship between steroid concentrations, follicle size, oocyte quality and fecundability. *Hum Reprod*. 2000 Dec;15(12):2471-7. Available from: PubMed; PMID 11098013

- Thatcher SS, Jackson EM. Pregnancy outcome in infertile patients with polycystic ovary syndrome who were treated with metformin. *Fertil Steril*. 2006 Apr;85(4):1002-9. Available from: PubMed; PMID 16580387
- Thomann R, Rossinelli N, Keller U, Tirri BF, De Geyter C, Ruiz J, Kranzlin M, Puder JJ. Differences in low-grade chronic inflammation and insulin resistance in women with previous gestational diabetes mellitus and women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Apr;24(4):199-206. Available from: PubMed; PMID 18382906
- Tien JC, Tan TY. Non-surgical interventions for threatened and recurrent miscarriages. *Singapore Med J*. 2007 Dec;48(12):1074-90; quiz 90. Available from: PubMed; PMID 18043834
- Toulis KA, Goulis DG, Kolibianakis EM, Venetis CA, Tarlatzis BC, Papadimas I. Risk of gestational diabetes mellitus in women with polycystic ovary syndrome: a systematic review and a meta-analysis. *Fertil Steril*. 2009 Aug;92(2):667-77. Available from: PubMed; PMID 18710713
- Tozer AJ, Al-Shawaf T, Zosmer A, Hussain S, Wilson C, Lower AM, Grudzinskas JG. Does laparoscopic ovarian diathermy affect the outcome of IVF-embryo transfer in women with polycystic ovarian syndrome? A retrospective comparative study. *Hum Reprod*. 2001 Jan;16(1):91-5. Available from: PubMed; PMID 11139543
- Tso LO, Costello MF, Albuquerque LE, Andriolo RB, Freitas V. Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2009 (2):CD006105. Available from: PubMed; PMID 19370625
- Turhan NO, Seckin NC, Aybar F, Inegol I. Assessment of glucose tolerance and pregnancy outcome of polycystic ovary patients. *Int J Gynaecol Obstet*. 2003 May;81(2):163-8. Available from: PubMed; PMID 12706273
- Turner MJ, Walsh J, Byrne KM, Murphy C, Langan H, Farah N. Outcome of clinical pregnancies after ovulation induction using metformin. *J Obstet Gynaecol*. 2006 Apr;26(3):233-5. Available from: PubMed; PMID 16698631
- Urman B, Tiras B, Yakin K. Assisted reproduction in the treatment of polycystic ovarian syndrome. *Reprod Biomed Online*. 2004 Apr;8(4):419-30. Available from: PubMed; PMID 15149566
- Usadi RS, Legro RS. Reproductive impact of polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2012 Dec;19(6):505-11. Available from: PubMed; PMID 23108198
- Ušnarska-Zubkiewicz L, Bolanowski M, Zubkiewicz-Kucharska A, Podolak-Dawidziak M, Kuliczowski K. Pregnancy in a woman with polycystic ovary syndrome and myelodysplastic syndrome (in the form of refractory anemia) treated with allogeneic hemopoietic stem-cell transplantation (alloHSCT). *Gynecol Endocrinol*. 2010 Feb;26(2):135-8. Available from: PubMed; PMID 20074022
- Vambergue A, Lautier C, Valat AS, Cortet-Rudelli C, Grigorescu F, Dewailly D. Follow-up study of two sisters with type A syndrome of severe insulin resistance gives a new insight into PCOS pathogenesis in relation to puberty and pregnancy outcome: a case report. *Hum Reprod*. 2006 May;21(5):1274-8. Available from: PubMed; PMID 16410336
- van der Spuy ZM, Dyer SJ. The pathogenesis of infertility and early pregnancy loss in polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):755-71. Available from: PubMed; PMID 15380145
- Van Holsbeke C, Amant F, Veldman J, De Boedt A, Moerman P, Timmerman D. Hyperreactio luteinalis in a spontaneously conceived singleton pregnancy. *Ultrasound Obstet Gynecol*. 2009 Mar;33(3):371-3. Available from: PubMed; PMID 19248002
- van Santbrink EJ, Fauser BC. Ovulation induction in normogonadotropic anovulation (PCOS). *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):261-70. Available from: PubMed; PMID 16772156
- van Weissenbruch MM. Premature adrenarche, polycystic ovary syndrome and intrauterine growth retardation: does a relationship exist? *Curr Opin Endocrinol Diabetes Obes*. 2007 Feb;14(1):35-40. Available from: PubMed; PMID 17940417
- van Wely M, Bayram N, van der Veen F. Recombinant FSH in alternative doses or versus urinary gonadotrophins for ovulation induction in subfertility associated with polycystic ovary syndrome: a systematic review based on a Cochrane review. *Hum Reprod*. 2003 Jun;18(6):1143-9. Available from: PubMed; PMID 12773438
- van Wely M, Bayram N, Bossuyt PM, van der Veen F. Laparoscopic electrocautery of the ovaries versus recombinant FSH in clomiphene citrate-resistant polycystic ovary syndrome. Impact on women's health-related quality of life. *Hum Reprod*. 2004 Oct;19(10):2244-50. Available from: PubMed; PMID 15242999
- van Wely M, Bayram N, van der Veen F, Bossuyt PM. An economic comparison of a laparoscopic electrocautery strategy and ovulation induction with recombinant FSH in women with clomiphene citrate-resistant polycystic ovary syndrome. *Hum Reprod*. 2004 Aug;19(8):1741-5. Available from: PubMed; PMID 15166128
- van Wely M, Bayram N, van der Veen F, Bossuyt PM. Predicting ongoing pregnancy following ovulation induction with recombinant FSH in women with polycystic ovary syndrome. *Hum Reprod*. 2005 Jul;20(7):1827-32. Available from: PubMed; PMID 15831514

Vandermolen DT, Ratts VS, Evans WS, Stovall DW, Kauma SW, Nestler JE. Metformin increases the ovulatory rate and pregnancy rate from clomiphene citrate in patients with polycystic ovary syndrome who are resistant to clomiphene citrate alone. *Fertil Steril*. 2001 Feb;75(2):310-5. Available from: PubMed; PMID 11172832

Vankova M, Vrbikova J, Hill M, Cinek O, Bendlova B. Association of insulin gene VNTR polymorphism with polycystic ovary syndrome. *Ann N Y Acad Sci*. 2002 Jun;967:558-65. Available from: PubMed; PMID 12079889

Vanky E, Salvesen KA, Heimstad R, Fougner KJ, Romundstad P, Carlsen SM. Metformin reduces pregnancy complications without affecting androgen levels in pregnant polycystic ovary syndrome women: results of a randomized study. *Hum Reprod*. 2004 Aug;19(8):1734-40. Available from: PubMed; PMID 15178665

Vanky E, Zahlsen K, Spigset O, Carlsen SM. Placental passage of metformin in women with polycystic ovary syndrome. *Fertil Steril*. 2005 May;83(5):1575-8. Available from: PubMed; PMID 15866611

Vanky E, Hjorth-Hansen H, Carlsen SM. Metformin and early pregnancy? *Fertil Steril*. 2006 Nov;86(5):1551-2; author reply 2-3. Available from: PubMed; PMID 16926000

Vanky E, Salvesen KA, Hjorth-Hansen H, Bjerve K, Carlsen SM. Beneficial effect of metformin on pregnancy outcome in women with polycystic ovary syndrome is not associated with major changes in C-reactive protein levels or indices of coagulation. *Fertil Steril*. 2006 Mar;85(3):770-4. Available from: PubMed; PMID 16500361

Vanky E, Isaksen H, Moen MH, Carlsen SM. Breastfeeding in polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2008;87(5):531-5. Available from: PubMed; PMID 18446536

Vanky E, Salvesen KA, Asberg A, Carlsen SM. Haemoglobin, C-reactive protein and androgen levels in uncomplicated and complicated pregnancies of women with polycystic ovary syndrome. *Scand J Clin Lab Invest*. 2008;68(5):421-6. Available from: PubMed; PMID 19172699

Vanky E, Backe B, Carlsen SM. Sex ratio and pregnancy complications according to mode of conception in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2009;88(11):1261-6. Available from: PubMed; PMID 19900142

Vanky E, Stridsklev S, Heimstad R, Romundstad P, Skogoy K, Kleggetveit O, Hjelle S, von Brandis P, Eikeland T, Flo K, Berg KF, Bunford G, Lund A, Bjerke C, Almas I, Berg AH, Danielson A, Lahmami G, Carlsen SM. Metformin versus placebo from first trimester to delivery in polycystic ovary syndrome: a randomized, controlled

multicenter study. *J Clin Endocrinol Metab*. 2010 Dec;95(12):E448-55. Available from: PubMed; PMID 20926533

Vanky E, Stridsklev S, Skogoy K, Kleggetveit O, Hjelle S, Brandis PV, Eikeland T, Flo K, Berg KF, Bunford G, Lund A, Bjerke C, Almas I, Berg AH, Danielsson A, Lahmami G, Carlsen SM. PCOS--what matters in early pregnancy?--data from a cross-sectional, multicenter study. *Acta Obstet Gynecol Scand*. 2011 Apr;90(4):398-404. Available from: PubMed; PMID 21306318

Vanky E, Carlsen SM. Androgens and antimullerian hormone in mothers with polycystic ovary syndrome and their newborns. *Fertil Steril*. 2012 Feb;97(2):509-15. Available from: PubMed; PMID 22154766

Vanky E, F DEZ, Diaz M, Ibanez L, Carlsen SM. On the potential of metformin to prevent preterm delivery in women with polycystic ovary syndrome - an epi-analysis. *Acta Obstet Gynecol Scand*. 2012 Sep 24. Available from: PubMed; PMID 23006146

Vanky E, Nordskar JJ, Leithe H, Hjorth-Hansen AK, Martinussen M, Carlsen SM. Breast size increment during pregnancy and breastfeeding in mothers with polycystic ovary syndrome: a follow-up study of a randomised controlled trial on metformin versus placebo. *BJOG*. 2012 Oct;119(11):1403-9. Available from: PubMed; PMID 22827167

Vause TD, Cheung AP, Sierra S, Claman P, Graham J, Guillemain JA, Lapensee L, Stewart S, Wong BC. Ovulation induction in polycystic ovary syndrome: No. 242, May 2010. *Int J Gynaecol Obstet*. 2010 Oct;111(1):95-100. Available from: PubMed; PMID 20848729

Vause TD, Cheung AP, Sierra S, Claman P, Graham J, Guillemain JA, Lapensee L, Stewart S, Wong BC. Ovulation induction in polycystic ovary syndrome. *J Obstet Gynaecol Can*. 2010 May;32(5):495-502. Available from: PubMed; PMID 20500959

Veiga-Lopez A, Ye W, Padmanabhan V. Developmental programming: prenatal testosterone excess disrupts anti-Mullerian hormone expression in preantral and antral follicles. *Fertil Steril*. 2012 Mar;97(3):748-56. Available from: PubMed; PMID 22245531

Velazquez MA, Hadelor KG, Herrmann D, Kues WA, Ulbrich SE, Meyer HH, Remy B, Beckers JF, Sauerwein H, Niemann H. In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. *Reproduction*. 2011 Jul;142(1):41-52. Available from: PubMed; PMID 21543511

Veltman-Verhulst SM, van Haeften TW, Eijkemans MJ, de Valk HW, Fauser BC, Goverde AJ. Sex hormone-binding globulin concentrations before conception as a predictor for gestational diabetes in women with polycystic ovary

syndrome. *Hum Reprod.* 2010 Dec;25(12):3123-8. Available from: PubMed; PMID 20943702

Veltman-Verhulst SM, van Rijn BB, Westerveld HE, Franx A, Bruinse HW, Fauser BC, Goverde AJ. Polycystic ovary syndrome and early-onset preeclampsia: reproductive manifestations of increased cardiovascular risk. *Menopause.* 2010 Sep-Oct;17(5):990-6. Available from: PubMed; PMID 20551845

Veltman-Verhulst SM, Fauser BC, Eijkemans MJ. High singleton live birth rate confirmed after ovulation induction in women with anovulatory polycystic ovary syndrome: validation of a prediction model for clinical practice. *Fertil Steril.* 2012 Sep;98(3):761-8 e1. Available from: PubMed; PMID 22633255

Verit FF. The prevalence of metabolic syndrome in clomiphene citrate resistant polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 May;28(5):365-9. Available from: PubMed; PMID 22409701

Vlaisavljevic V, Cizek-Sajko M, Kovac V. Multinucleation and cleavage of embryos derived from in vitro-matured oocytes. *Fertil Steril.* 2006 Aug;86(2):487-9. Available from: PubMed; PMID 16769057

Vlaisavljevic V, Kovac V, Sajko MC. Impact of insulin resistance on the developmental potential of immature oocytes retrieved from human chorionic gonadotropin-primed women with polycystic ovary syndrome undergoing in vitro maturation. *Fertil Steril.* 2009 Mar;91(3):957-9. Available from: PubMed; PMID 18321495

Vollenhoven B, Clark S, Kovacs G, Burger H, Healy D. Prevalence of gestational diabetes mellitus in polycystic ovarian syndrome (PCOS) patients pregnant after ovulation induction with gonadotrophins. *Aust N Z J Obstet Gynaecol.* 2000 Feb;40(1):54-8. Available from: PubMed; PMID 10870780

Vrtacnik-Bokal E, Virant Klun I, Verdenik I. Follicular oestradiol and VEGF after GnRH antagonists or GnRH agonists in women with PCOS. *Reprod Biomed Online.* 2009 Jan;18(1):21-8. Available from: PubMed; PMID 19146765

Wang JX, Davies MJ, Norman RJ. Polycystic ovarian syndrome and the risk of spontaneous abortion following assisted reproductive technology treatment. *Hum Reprod.* 2001 Dec;16(12):2606-9. Available from: PubMed; PMID 11726582

Wang F, Yu B, Yang W, Liu J, Lu J, Xia X. Polycystic ovary syndrome resembling histopathological alterations in ovaries from prenatal androgenized female rats. *J Ovarian Res.* 2012;5(1):15. Available from: PubMed; PMID 22607720

Warren-Ulanch J, Arslanian S. Treatment of PCOS in adolescence. *Best Pract Res Clin Endocrinol Metab.* 2006

Jun;20(2):311-30. Available from: PubMed; PMID 16772160

Weerakiet S, Srisombut C, Rojanasakul A, Panburana P, Thakkinstian A, Herabutya Y. Prevalence of gestational diabetes mellitus and pregnancy outcomes in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Sep;19(3):134-40. Available from: PubMed; PMID 15697074

Weerakiet S, Tingthanatikul Y, Sophonsritsuk A, Choktanasiri W, Wansumrith S, Rojanasakul A. Efficacy of metformin on ovulation induction in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2004 Oct;19(4):202-7. Available from: PubMed; PMID 15724803

Weerakiet S, Sophonsritsuk A, Lertvikool S, Satirapot C, Leelaphiwat S, Jultanas R. Randomized controlled trial of different doses of metformin for ovulation induction in infertile women with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2011 Sep;37(9):1229-37. Available from: PubMed; PMID 21518135

Weghofer A, Munne S, Chen S, Barad D, Gleicher N. Lack of association between polycystic ovary syndrome and embryonic aneuploidy. *Fertil Steril.* 2007 Oct;88(4):900-5. Available from: PubMed; PMID 17433813

Wei Z, Cao Y, Cong L, Zhou P, Zhang Z, Li J. Effect of metformin pretreatment on pregnancy outcome of in vitro matured oocytes retrieved from women with polycystic ovary syndrome. *Fertil Steril.* 2008 Oct;90(4):1149-54. Available from: PubMed; PMID 18022165

Weickert MO, Hodges P, Tan BK, Randeve HS. Neuroendocrine and endocrine dysfunction in the hyperinsulinemic PCOS patient: the role of metformin. *Minerva Endocrinol.* 2012 Mar;37(1):25-40. Available from: PubMed; PMID 22382613

Wijeyaratne CN, Waduge R, Arandara D, Arasalingam A, Sivasuriam A, Dodampahala SH, Balen AH. Metabolic and polycystic ovary syndromes in indigenous South Asian women with previous gestational diabetes mellitus. *BJOG.* 2006 Oct;113(10):1182-7. Available from: PubMed; PMID 16972862

Wilson JF. In the clinic. The polycystic ovary syndrome. *Ann Intern Med.* 2011 Feb 1;154(3):ITC2--ITC-15; quiz ITC2-6. Available from: PubMed; PMID 21282692

Wiser A, Shalom-Paz E, Reinblatt SL, Holzer H, Tulandi T. Controlled ovarian hyperstimulation in women with polycystic ovarian syndrome with or without intrauterine insemination. *Gynecol Endocrinol.* 2012 Jul;28(7):502-4. Available from: PubMed; PMID 22122754

Witchel SF. Puberty and polycystic ovary syndrome. *Mol Cell Endocrinol.* 2006 Jul 25;254-255:146-53. Available from: PubMed; PMID 16750596

- Wu R, Fujii S, Ryan NK, Van der Hoek KH, Jasper MJ, Sini I, Robertson SA, Robker RL, Norman RJ. Ovarian leukocyte distribution and cytokine/chemokine mRNA expression in follicular fluid cells in women with polycystic ovary syndrome. *Hum Reprod*. 2007 Feb;22(2):527-35. Available from: PubMed; PMID 16997933
- Wu XY, Li ZL, Wu CY, Liu YM, Lin H, Wang SH, Xiao WF. Endocrine traits of polycystic ovary syndrome in prenatally androgenized female Sprague-Dawley rats. *Endocr J*. 2010;57(3):201-9. Available from: PubMed; PMID 20057162
- Xi W, Gong F, Lu G. Correlation of serum Anti-Mullerian hormone concentrations on day 3 of the in vitro fertilization stimulation cycle with assisted reproduction outcome in polycystic ovary syndrome patients. *J Assist Reprod Genet*. 2012 May;29(5):397-402. Available from: PubMed; PMID 22382641
- Xiao J, Chen S, Zhang C, Chang S. The effectiveness of metformin ovulation induction treatment in patients with PCOS: a systematic review and meta-analysis. *Gynecol Endocrinol*. 2012 Jul 19. Available from: PubMed; PMID 22808990
- Xita N, Tsatsoulis A. Review: fetal programming of polycystic ovary syndrome by androgen excess: evidence from experimental, clinical, and genetic association studies. *J Clin Endocrinol Metab*. 2006 May;91(5):1660-6. Available from: PubMed; PMID 16522691
- Xu N, Kwon S, Abbott DH, Geller DH, Dumesic DA, Azziz R, Guo X, Goodarzi MO. Epigenetic mechanism underlying the development of polycystic ovary syndrome (PCOS)-like phenotypes in prenatally androgenized rhesus monkeys. *PLoS One*. 2011;6(11):e27286. Available from: PubMed; PMID 22076147
- Yang YJ, Zhang YJ, Li Y. Ultrastructure of human oocytes of different maturity stages and the alteration during in vitro maturation. *Fertil Steril*. 2009 Jul;92(1):396 e1-6. Available from: PubMed; PMID 19362300
- Yarali H, Bukulmez O, Gurgan T. Combined bilateral ectopic and intrauterine pregnancy following ovulation induction with the low-dose step-up protocol in a patient with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2000 Jul;264(1):37-8. Available from: PubMed; PMID 10985619
- Yarali H, Yildiz BO, Demiroglu A, Zeyneloglu HB, Yigit N, Bukulmez O, Koray Z. Co-administration of metformin during rFSH treatment in patients with clomiphene citrate-resistant polycystic ovarian syndrome: a prospective randomized trial. *Hum Reprod*. 2002 Feb;17(2):289-94. Available from: PubMed; PMID 11821265
- Yarali H, Zeyneloglu HB. Gonadotrophin treatment in patients with polycystic ovary syndrome. *Reprod Biomed Online*. 2004 May;8(5):528-37. Available from: PubMed; PMID 15151714
- Yildirim M, Noyan V, Bulent Tiras M, Yildiz A, Guner H. Ovarian wedge resection by minilaparotomy in infertile patients with polycystic ovarian syndrome: a new technique. *Eur J Obstet Gynecol Reprod Biol*. 2003 Mar 26;107(1):85-7. Available from: PubMed; PMID 12593902
- Yildiz BO, Chang W, Azziz R. Polycystic ovary syndrome and ovulation induction. *Minerva Ginecol*. 2003 Oct;55(5):425-39. Available from: PubMed; PMID 14581885
- Yilmaz N, Uygur D, Dogan M, Ozgu E, Salman B, Mollamahmutoglu L. The effect of follicular antimullerian hormone levels of non-obese, non-hyperandrogenemic polycystic ovary syndrome patients on assisted reproduction outcome. *Gynecol Endocrinol*. 2012 Mar;28(3):162-5. Available from: PubMed; PMID 22103791
- Younis JS, Jadaon JE, Haddad S, Izhaki I, Ben-Ami M. Prospective evaluation of basal stromal Doppler studies in women with good ovarian reserve and infertility undergoing in vitro fertilization-embryo transfer treatment: patients with polycystic ovary syndrome versus ovulatory patients. *Fertil Steril*. 2011 Apr;95(5):1754-8. Available from: PubMed; PMID 21300343
- Youssef H, Atallah MM. Unilateral ovarian drilling in polycystic ovarian syndrome: a prospective randomized study. *Reprod Biomed Online*. 2007 Oct;15(4):457-62. Available from: PubMed; PMID 17908411
- Zain MM, Jamaluddin R, Ibrahim A, Norman RJ. Comparison of clomiphene citrate, metformin, or the combination of both for first-line ovulation induction, achievement of pregnancy, and live birth in Asian women with polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril*. 2009 Feb;91(2):514-21. Available from: PubMed; PMID 18321486
- Zakherah MS, Nasr A, El Saman AM, Shaaban OM, Shahin AY. Clomiphene citrate plus tamoxifen versus laparoscopic ovarian drilling in women with clomiphene-resistant polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2010 Mar;108(3):240-3. Available from: PubMed; PMID 19944418
- Zakherah MS, Kamal MM, Hamed HO. Laparoscopic ovarian drilling in polycystic ovary syndrome: efficacy of adjusted thermal dose based on ovarian volume. *Fertil Steril*. 2011 Mar 1;95(3):1115-8. Available from: PubMed; PMID 21075366
- Zareen N. Management and obstetric outcome of ovarian hyperstimulation syndrome. *J Coll Physicians Surg Pak*. 2008 Feb;18(2):86-90. Available from: PubMed; PMID 18454892

Zeinalzadeh M, Basirat Z, Esmailpour M. Efficacy of letrozole in ovulation induction compared to that of clomiphene citrate in patients with polycystic ovarian syndrome. *J Reprod Med*. 2010 Jan-Feb;55(1-2):36-40. Available from: PubMed; PMID 20337206

Zhang H, Legro RS, Zhang J, Zhang L, Chen X, Huang H, Casson PR, Schlaff WD, Diamond MP, Krawetz SA, Coutifaris C, Brzyski RG, Christman GM, Santoro N, Eisenberg E. Decision trees for identifying predictors of treatment effectiveness in clinical trials and its application to ovulation in a study of women with polycystic ovary syndrome. *Hum Reprod*. 2010 Oct;25(10):2612-21. Available from: PubMed; PMID 20716558

Zhang J, Li T, Zhou L, Tang L, Xu L, Wu T, Lim DC. Chinese herbal medicine for subfertile women with polycystic ovarian syndrome. *Cochrane Database Syst Rev*. 2010 (9):CD007535. Available from: PubMed; PMID 20824862

Zhao JZ, Zhou W, Zhang W, Ge HS, Huang XF, Lin JJ. In vitro maturation and fertilization of oocytes from unstimulated ovaries in infertile women with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):2568-71. Available from: PubMed; PMID 18579137

Zhao JZ, Lin JJ, Yang HY, Zhang W, Huang XF, Huang YP. Effects of oral contraceptives and metformin on the outcome of in vitro maturation in infertile women with polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2010 Feb;19(2):261-5. Available from: PubMed; PMID 20113146

Zhong G, Chen B. Serum and follicular fluid levels of IGF-II, IGF-binding protein-4 and pregnancy-associated plasma protein-A in controlled ovarian hyperstimulation cycle between polycystic ovarian syndrome (PCOS) and non-PCOS women. *Gynecol Endocrinol*. 2011 Feb;27(2):86-90. Available from: PubMed; PMID 20528206

Zhou R, Bird IM, Dumesic DA, Abbott DH. Adrenal hyperandrogenism is induced by fetal androgen excess in a rhesus monkey model of polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2005 Dec;90(12):6630-7. Available from: PubMed; PMID 16174719

Zhu WJ, Li XM, Chen XM, Zhang L. Follicular aspiration during the selection phase prevents severe ovarian hyperstimulation in patients with polycystic ovary syndrome who are undergoing in vitro fertilization. *Eur J Obstet Gynecol Reprod Biol*. 2005 Sep 1;122(1):79-84. Available from: PubMed; PMID 16154042

Zhu W, Fu Z, Chen X, Li X, Tang Z, Zhou Y, Geng Q. Transvaginal ultrasound-guided ovarian interstitial laser treatment in anovulatory women with polycystic ovary syndrome: a randomized clinical trial on the effect of laser dose used on the outcome. *Fertil Steril*. 2010 Jun;94(1):268-75. Available from: PubMed; PMID 19409546

Zhu W, Chen M, Fu Z, Li X, Qin C, Tang X, Chen X. Repeat transvaginal ultrasound-guided ovarian interstitial laser treatment improved the anovulatory status in women with polycystic ovarian syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2012 May;162(1):50-4. Available from: PubMed; PMID 22397748

Zidenberg N, Wright S. Care of the overweight adolescent including polycystic ovarian syndrome. *Clin Obstet Gynecol*. 2008 Jun;51(2):249-56. Available from: PubMed; PMID 18463456

## Role of Prevention Strategies for Reproductive and Metabolic Consequences

Correction: Priming with Human Chorionic Gonadotropin before Retrieval of Immature Oocytes in Women with Infertility Due to the Polycystic Ovary Syndrome. *N Engl J Med*. 2000 Jan 20;342(3):213-24. Available from: PubMed; PMID 10639551

Tackling polycystic ovary syndrome. *Drug Ther Bull*. 2001 Jan;39(1):1-5. Available from: PubMed; PMID 11221187

Use of insulin sensitizing agents in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2006 Nov;86(5 Suppl 1):S221-3. Available from: PubMed; PMID 17055827

Clomiphene or metformin for PCOS infertility? *J Fam Pract*. 2007 May;56(5):349. Available from: PubMed; PMID 17607841

Use of insulin-sensitizing agents in the treatment of polycystic ovary syndrome. *Fertil Steril*. 2008 Nov;90(5 Suppl):S69-73. Available from: PubMed; PMID 19007650

Consensus on infertility treatment related to polycystic ovary syndrome. *Hum Reprod*. 2008 Mar;23(3):462-77. Available from: PubMed; PMID 18308833

Consensus on infertility treatment related to polycystic ovary syndrome. *Fertil Steril*. 2008 Mar;89(3):505-22. Available from: PubMed; PMID 18243179

Retraction: Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res*. 2010 Feb;36(1):218. Available from: PubMed; PMID 20178557

Abbott DH, Barnett DK, Levine JE, Padmanabhan V, Dumesic DA, Jacoris S, Tarantal AF. *Endocrine*

antecedents of polycystic ovary syndrome in fetal and infant prenatally androgenized female rhesus monkeys. *Biol Reprod.* 2008 Jul;79(1):154-63. Available from: PubMed; PMID 18385445

Abbott DH, Tarantal AF, Dumesic DA. Fetal, infant, adolescent and adult phenotypes of polycystic ovary syndrome in prenatally androgenized female rhesus monkeys. *Am J Primatol.* 2009 Sep;71(9):776-84. Available from: PubMed; PMID 19367587

Abdellah MS. Reproductive outcome after letrozole versus laparoscopic ovarian drilling for clomiphene-resistant polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2011 Jun;113(3):218-21. Available from: PubMed; PMID 21457973

Abdulghani M, Hussin AH, Sulaiman SA, Chan KL. The ameliorative effects of *Eurycoma longifolia* Jack on testosterone-induced reproductive disorders in female rats. *Reprod Biol.* 2012 Jul;12(2):247-55. Available from: PubMed; PMID 22850474

Aboulghar M, Saber W, Amin Y, Aboulghar M, Mansour R, Serour G. Prospective, randomized study comparing highly purified urinary follicle-stimulating hormone (FSH) and recombinant FSH for in vitro fertilization/intracytoplasmic sperm injection in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Nov;94(6):2332-4. Available from: PubMed; PMID 20188364

Abu Hashim H, Anwar K, El-Fatah RA. N-acetyl cysteine plus clomiphene citrate versus metformin and clomiphene citrate in treatment of clomiphene-resistant polycystic ovary syndrome: a randomized controlled trial. *J Womens Health (Larchmt).* 2010 Nov;19(11):2043-8. Available from: PubMed; PMID 20939675

Abu Hashim H, Shokeir T, Badawy A. Letrozole versus combined metformin and clomiphene citrate for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril.* 2010 Sep;94(4):1405-9. Available from: PubMed; PMID 19732888

Abu Hashim H, El Lakany N, Sherief L. Combined metformin and clomiphene citrate versus laparoscopic ovarian diathermy for ovulation induction in clomiphene-resistant women with polycystic ovary syndrome: a randomized controlled trial. *J Obstet Gynaecol Res.* 2011 Mar;37(3):169-77. Available from: PubMed; PMID 21114583

Abu Hashim H, Foda O, Ghayaty E, Elawa A. Laparoscopic ovarian diathermy after clomiphene failure in polycystic ovary syndrome: is it worthwhile? A randomized controlled trial. *Arch Gynecol Obstet.* 2011 Nov;284(5):1303-9. Available from: PubMed; PMID 21755338

Abu Hashim H, Bazeed M, Abd Elaal I. Minimal stimulation or clomiphene citrate as first-line therapy in women with polycystic ovary syndrome: a randomized controlled trial. *Gynecol Endocrinol.* 2012 Feb;28(2):87-90. Available from: PubMed; PMID 21770837

Adali E, Yildizhan R, Kurdoglu M, Kolusari A, Edirne T, Sahin HG, Yildizhan B, Kamaci M. The relationship between clinico-biochemical characteristics and psychiatric distress in young women with polycystic ovary syndrome. *J Int Med Res.* 2008 Nov-Dec;36(6):1188-96. Available from: PubMed; PMID 19094426

Adali E, Kolusari A, Adali F, Yildizhan R, Kurdoglu M, Sahin HG. Doppler analysis of uterine perfusion and ovarian stromal blood flow in polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2009 May;105(2):154-7. Available from: PubMed; PMID 19232596

Adali E, Yildizhan R, Kurdoglu M, Bugdayci G, Kolusari A, Sahin HG. Increased plasma thrombin-activatable fibrinolysis inhibitor levels in young obese women with polycystic ovary syndrome. *Fertil Steril.* 2010 Jul;94(2):666-72. Available from: PubMed; PMID 19368913

Agarwal SM, Behere RV, Venkatasubramanian G, Rao NP, Varambally S, Gangadhar BN. A case of successful treatment of comorbid obesity and polycystic ovarian disease with add-on metformin in bipolar disorder. *Prim Care Companion CNS Disord.* 2011;13(5). Available from: PubMed; PMID 22295263

Aghahosseini M, Aleyaseen A, Safdarian L, Moddaress-Hashemi S, Mofid B, Kashani L. Metformin 2,500 mg/day in the treatment of obese women with polycystic ovary syndrome and its effect on weight, hormones, and lipid profile. *Arch Gynecol Obstet.* 2010 Dec;282(6):691-4. Available from: PubMed; PMID 20596715

Ahmed MI, Duleba AJ, El Shahat O, Ibrahim ME, Salem A. Naltrexone treatment in clomiphene resistant women with polycystic ovary syndrome. *Hum Reprod.* 2008 Nov;23(11):2564-9. Available from: PubMed; PMID 18641399

Ajossa S, Guerriero S, Paoletti AM, Orru M, Floris S, Mannias M, Melis GB. Uterine perfusion and hormonal pattern in patients with polycystic ovary syndrome. *J Assist Reprod Genet.* 2001 Aug;18(8):436-40. Available from: PubMed; PMID 11599464

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. Hyperinsulinemia and uterine perfusion in patients with polycystic ovary syndrome. *Ultrasound Obstet Gynecol.* 2002 Sep;20(3):276-80. Available from: PubMed; PMID 12230452

Ajossa S, Guerriero S, Paoletti AM, Orru M, Melis GB. The antiandrogenic effect of flutamide improves uterine perfusion in women with polycystic ovary syndrome. *Fertil*



- Steril. 2002 Jun;77(6):1136-40. Available from: PubMed; PMID 12057718
- Alanbay I, Ercan CM, Sakinci M, Coksuer H, Ozturk M, Tapan S. A macrophage activation marker chitotriosidase in women with PCOS: does low-grade chronic inflammation in PCOS relate to PCOS itself or obesity? Arch Gynecol Obstet. 2012 Oct;286(4):1065-71. Available from: PubMed; PMID 22718099
- Al-Azemi M, Omu FE, Omu AE. The effect of obesity on the outcome of infertility management in women with polycystic ovary syndrome. Arch Gynecol Obstet. 2004 Dec;270(4):205-10. Available from: PubMed; PMID 12955532
- Alborzi S, Khodae R, Parsanejad ME. Ovarian size and response to laparoscopic ovarian electro-cauterization in polycystic ovarian disease. Int J Gynaecol Obstet. 2001 Sep;74(3):269-74. Available from: PubMed; PMID 11543751
- Alemzadeh R, Kansra AR. New adolescent polycystic ovary syndrome perspectives. Minerva Pediatr. 2011 Feb;63(1):35-47. Available from: PubMed; PMID 21311428
- Aleyasin A, Aghahoseini M, Mokhtar S, Fallahi P. Anti-mullerian hormone as a predictive factor in assisted reproductive technique of polycystic ovary syndrome patients. Acta Med Iran. 2011;49(11):715-20. Available from: PubMed; PMID 22131240
- Al-Fadhli R, Tulandi T. Laparoscopic treatment of polycystic ovaries: is its place diminishing? Curr Opin Obstet Gynecol. 2004 Aug;16(4):295-8. Available from: PubMed; PMID 15232482
- Al-Inany H, Johnson N. Drugs for anovulatory infertility in polycystic ovary syndrome. BMJ. 2006 Jun 24;332(7556):1461-2. Available from: PubMed; PMID 16793784
- Allahbadia GN, Merchant R. Polycystic ovary syndrome in the Indian Subcontinent. Semin Reprod Med. 2008 Jan;26(1):22-34. Available from: PubMed; PMID 18181079
- Allen HF, Mazzoni C, Heptulla RA, Murray MA, Miller N, Koenigs L, Reiter EO. Randomized controlled trial evaluating response to metformin versus standard therapy in the treatment of adolescents with polycystic ovary syndrome. J Pediatr Endocrinol Metab. 2005 Aug;18(8):761-8. Available from: PubMed; PMID 16200842
- Al-Mizyen E, Grudzinskas JG. Unilateral laparoscopic ovarian diathermy in infertile women with clomiphene citrate-resistant polycystic ovary syndrome. Fertil Steril. 2007 Dec;88(6):1678-80. Available from: PubMed; PMID 17451693
- Al-Ojaimi EH. Endocrine changes after laparoscopic ovarian drilling in clomiphene citrate-resistant women with polycystic ovarian syndrome. Saudi Med J. 2004 Aug;25(8):1032-9. Available from: PubMed; PMID 15322594
- Alvarez-Blasco F, Luque-Ramirez M, Escobar-Morreale HF. Diet composition and physical activity in overweight and obese premenopausal women with or without polycystic ovary syndrome. Gynecol Endocrinol. 2011 Dec;27(12):978-81. Available from: PubMed; PMID 21609197
- Amer SA, Li TC, Cooke ID. Repeated laparoscopic ovarian diathermy is effective in women with anovulatory infertility due to polycystic ovary syndrome. Fertil Steril. 2003 May;79(5):1211-5. Available from: PubMed; PMID 12738520
- Amer SA, Li TC, Ledger WL. The value of measuring anti-Mullerian hormone in women with anovulatory polycystic ovary syndrome undergoing laparoscopic ovarian diathermy. Hum Reprod. 2009 Nov;24(11):2760-6. Available from: PubMed; PMID 19640893
- Amer SA, Li TC, Metwally M, Emarh M, Ledger WL. Randomized controlled trial comparing laparoscopic ovarian diathermy with clomiphene citrate as a first-line method of ovulation induction in women with polycystic ovary syndrome. Hum Reprod. 2009 Jan;24(1):219-25. Available from: PubMed; PMID 18794162
- Amesse LS, Ding X, Pfaff-Amesse T. From HAIR-AN to eternity. J Pediatr Adolesc Gynecol. 2002 Aug;15(4):235-40. Available from: PubMed; PMID 12459231
- Amin M, Abdel-Kareem O, Takekida S, Moriyama T, Abd el-Aal G, Maruo T. Minireview: Up-date management of non responder to clomiphene citrate in polycystic ovary syndrome. Kobe J Med Sci. 2003;49(3-4):59-73. Available from: PubMed; PMID 14676484
- Andy C, Flake D, French L. Clinical inquiries. Do insulin-sensitizing drugs increase ovulation rates for women with PCOS? J Fam Pract. 2005 Feb;54(2):156, 9-60. Available from: PubMed; PMID 15689292
- Api M. Could transvaginal, ultrasound-guided ovarian interstitial laser treatment replace laparoscopic ovarian drilling in women with polycystic ovary syndrome resistant to clomiphene citrate? Fertil Steril. 2009 Dec;92(6):2039-40. Available from: PubMed; PMID 19608164
- Araujo Penna I, Canella PR, Vieira CS, Silva de Sa MF, dos Reis RM, Ferriani RA. Cardiovascular risk factors are reduced with a low dose of acarbose in obese patients with polycystic ovary syndrome. Fertil Steril. 2007 Aug;88(2):519-22. Available from: PubMed; PMID 17418836
- Ardabili HR, Gargari BP, Farzadi L. Vitamin D supplementation has no effect on insulin resistance

assessment in women with polycystic ovary syndrome and vitamin D deficiency. *Nutr Res.* 2012 Mar;32(3):195-201. Available from: PubMed; PMID 22464806

Ardawi MS, Rouzi AA. Plasma adiponectin and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2005 Jun;83(6):1708-16. Available from: PubMed; PMID 15950640

Arikan S, Akay H, Bahceci M, Tuzcu A, Gokalp D. The evaluation of endothelial function with flow-mediated dilatation and carotid intima media thickness in young nonobese polycystic ovary syndrome patients; existence of insulin resistance alone may not represent an adequate condition for deterioration of endothelial function. *Fertil Steril.* 2009 Feb;91(2):450-5. Available from: PubMed; PMID 18501898

Armanini D, Pellati D, Fiore C. Polycystic ovary syndrome: implications of corticotropin in the regulation of blood pressure, aldosterone, and androgen secretion. *Hypertension.* 2007 Aug;50(2):e24; author reply e5. Available from: PubMed; PMID 17576851

Aroda VR, Ciaraldi TP, Burke P, Mudaliar S, Clopton P, Phillips S, Chang RJ, Henry RR. Metabolic and hormonal changes induced by pioglitazone in polycystic ovary syndrome: a randomized, placebo-controlled clinical trial. *J Clin Endocrinol Metab.* 2009 Feb;94(2):469-76. Available from: PubMed; PMID 18984667

Arslanian SA, Lewy V, Danadian K, Saad R. Metformin therapy in obese adolescents with polycystic ovary syndrome and impaired glucose tolerance: amelioration of exaggerated adrenal response to adrenocorticotropin with reduction of insulinemia/insulin resistance. *J Clin Endocrinol Metab.* 2002 Apr;87(4):1555-9. Available from: PubMed; PMID 11932281

Artini PG, Di Bernardino OM, Simi G, Papini F, Ruggiero M, Monteleone P, Cela V. Best methods for identification and treatment of PCOS. *Minerva Ginecol.* 2010 Feb;62(1):33-48. Available from: PubMed; PMID 20186113

Asadipooya K, Kalantar-Hormozi M, Nabipour I. Pioglitazone reduces central obesity in polycystic ovary syndrome women. *Gynecol Endocrinol.* 2012 Jan;28(1):16-9. Available from: PubMed; PMID 21756079

Atamer A, Demir B, Bayhan G, Atamer Y, Ilhan N, Akkus Z. Serum levels of leptin and homocysteine in women with polycystic ovary syndrome and its relationship to endocrine, clinical and metabolic parameters. *J Int Med Res.* 2008 Jan-Feb;36(1):96-105. Available from: PubMed; PMID 18230273

Atiomo WU, Fox R, Condon JE, Shaw S, Friend J, Prentice AG, Wilkin TJ. Raised plasminogen activator inhibitor-1 (PAI-1) is not an independent risk factor in the polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf).* 2000

Apr;52(4):487-92. Available from: PubMed; PMID 10762292

Aubuchon M, Laughbaum N, Poetker A, Williams D, Thomas M. Supervised short-term nutrition and exercise promotes weight loss in overweight and obese patients with polycystic ovary syndrome. *Fertil Steril.* 2009 Apr;91(4 Suppl):1336-8. Available from: PubMed; PMID 18555225

Aubuchon M, Lieman H, Stein D, Cohen HW, Isaac B, Adel G, Weitzman V, Tetrokalashvili M, Polotsky AJ, Santoro N. Metformin does not improve the reproductive or metabolic profile in women with polycystic ovary syndrome (PCOS). *Reprod Sci.* 2009 Oct;16(10):938-46. Available from: PubMed; PMID 19692630

Aubuchon M, Legro RS. Polycystic ovary syndrome: current infertility management. *Clin Obstet Gynecol.* 2011 Dec;54(4):675-84. Available from: PubMed; PMID 22031257

Azziz R. We should avoid the indiscriminate use of insulin sensitizers in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Aug;80(2):264-5. Available from: PubMed; PMID 12909483

Azziz R, Ehrmann DA, Legro RS, Fereshetian AG, O'Keefe M, Ghazzi MN. Troglitazone decreases adrenal androgen levels in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Apr;79(4):932-7. Available from: PubMed; PMID 12749433

Badawy A, State O, Abdelgawad S. N-Acetyl cysteine and clomiphene citrate for induction of ovulation in polycystic ovary syndrome: a cross-over trial. *Acta Obstet Gynecol Scand.* 2007;86(2):218-22. Available from: PubMed; PMID 17364286

Badawy A, Mosbah A, Shady M. Anastrozole or letrozole for ovulation induction in clomiphene-resistant women with polycystic ovarian syndrome: a prospective randomized trial. *Fertil Steril.* 2008 May;89(5):1209-12. Available from: PubMed; PMID 17686479

Badawy A, Abdel Aal I, Abulatta M. Clomiphene citrate or anastrozole for ovulation induction in women with polycystic ovary syndrome? A prospective controlled trial. *Fertil Steril.* 2009 Sep;92(3):860-3. Available from: PubMed; PMID 18166179

Badawy A, Abdel Aal I, Abulatta M. Clomiphene citrate or letrozole for ovulation induction in women with polycystic ovarian syndrome: a prospective randomized trial. *Fertil Steril.* 2009 Sep;92(3):849-52. Available from: PubMed; PMID 17582406

Badawy A, Inany H, Mosbah A, Abulatta M. Luteal phase clomiphene citrate for ovulation induction in women with polycystic ovary syndrome: a novel protocol. *Fertil Steril.* 2009 Mar;91(3):838-41. Available from: PubMed; PMID 18314112

- Badawy A, Khiary M, Ragab A, Hassan M, Sherief L. Ultrasound-guided transvaginal ovarian needle drilling (UTND) for treatment of polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril*. 2009 Apr;91(4):1164-7. Available from: PubMed; PMID 18342858
- Badawy A, Elnashar A. Treatment options for polycystic ovary syndrome. *Int J Womens Health*. 2011;3:25-35. Available from: PubMed; PMID 21339935
- Badawy A, Gibreal A. Clomiphene citrate versus tamoxifen for ovulation induction in women with PCOS: a prospective randomized trial. *Eur J Obstet Gynecol Reprod Biol*. 2011 Nov;159(1):151-4. Available from: PubMed; PMID 21831503
- Baghdadi LR, Abu Hashim H, Amer SA, Palomba S, Falbo A, Al-Ojaimi E, Ott J, Zhu W, Fernandez H, Nasr A, Ramzy AM, Clark J, Doi SA. Impact of obesity on reproductive outcomes after ovarian ablative therapy in PCOS: a collaborative meta-analysis. *Reprod Biomed Online*. 2012 Sep;25(3):227-41. Available from: PubMed; PMID 22809865
- Bahceci M, Tuzcu A, Bahceci S, Tuzcu S. Is hyperprolactinemia associated with insulin resistance in non-obese patients with polycystic ovary syndrome? *J Endocrinol Invest*. 2003 Jul;26(7):655-9. Available from: PubMed; PMID 14594118
- Bahceci M, Ulug U, Ben-Shlomo I, Erden HF, Akman MA. Use of a GnRH antagonist in controlled ovarian hyperstimulation for assisted conception in women with polycystic ovary disease: a randomized, prospective, pilot study. *J Reprod Med*. 2005 Feb;50(2):84-90. Available from: PubMed; PMID 15755044
- Baillargeon JP, Iuorno MJ, Nestler JE. Insulin sensitizers for polycystic ovary syndrome. *Clin Obstet Gynecol*. 2003 Jun;46(2):325-40. Available from: PubMed; PMID 12808383
- Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Apridonidze T, He N, Nestler JE. Metformin therapy increases insulin-stimulated release of D-chiro-inositol-containing inositolphosphoglycan mediator in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Jan;89(1):242-9. Available from: PubMed; PMID 14715857
- Baillargeon JP. Use of insulin sensitizers in polycystic ovarian syndrome. *Curr Opin Investig Drugs*. 2005 Oct;6(10):1012-22. Available from: PubMed; PMID 16259222
- Baillargeon JP, Iuorno MJ, Apridonidze T, Nestler JE. Uncoupling between insulin and release of a D-chiro-inositol-containing inositolphosphoglycan mediator of insulin action in obese women With polycystic ovary syndrome. *Metab Syndr Relat Disord*. 2010 Apr;8(2):127-36. Available from: PubMed; PMID 20156067
- Balasz J, Fabregues F, Creus M, Casamitjana R, Puerto B, Vanrell JA. Recombinant human follicle-stimulating hormone for ovulation induction in polycystic ovary syndrome: a prospective, randomized trial of two starting doses in a chronic low-dose step-up protocol. *J Assist Reprod Genet*. 2000 Nov;17(10):561-5. Available from: PubMed; PMID 11209536
- Balen A. Ovulation induction--optimizing results and minimizing risks. *Hum Fertil (Camb)*. 2003 May;6 Suppl 1:S42-51. Available from: PubMed; PMID 12869779
- Balen A, Platteau P, Andersen AN, Devroey P, Helmggaard L, Arce JC. Highly purified FSH is as efficacious as recombinant FSH for ovulation induction in women with WHO Group II anovulatory infertility: a randomized controlled non-inferiority trial. *Hum Reprod*. 2007 Jul;22(7):1816-23. Available from: PubMed; PMID 17449511
- Balen AH. Is metformin the treatment of choice for anovulation in polycystic ovary syndrome? *Nat Clin Pract Endocrinol Metab*. 2007 Jun;3(6):440-1. Available from: PubMed; PMID 17515889
- Balen AH, Rutherford AJ. Managing anovulatory infertility and polycystic ovary syndrome. *BMJ*. 2007 Sep 29;335(7621):663-6. Available from: PubMed; PMID 17901517
- Bals-Pratsch M, Grosser B, Seifert B, Ortmann O, Seifarth C. Early onset and high prevalence of gestational diabetes in PCOS and insulin resistant women before and after assisted reproduction. *Exp Clin Endocrinol Diabetes*. 2011 Jun;119(6):338-42. Available from: PubMed; PMID 21374548
- Banaszewska B, Spaczynski RZ, Pelesz M, Pawelczyk L. Incidence of elevated LH/FSH ratio in polycystic ovary syndrome women with normo- and hyperinsulinemia. *Rocz Akad Med Bialymst*. 2003;48:131-4. Available from: PubMed; PMID 14737959
- Banaszewska B, Duleba AJ, Spaczynski RZ, Pawelczyk L. Lipids in polycystic ovary syndrome: role of hyperinsulinemia and effects of metformin. *Am J Obstet Gynecol*. 2006 May;194(5):1266-72. Available from: PubMed; PMID 16647909
- Banerjee Ray P, Ray A, Chakraborti PS. Comparison of efficacy of letrozole and clomiphene citrate in ovulation induction in Indian women with polycystic ovarian syndrome. *Arch Gynecol Obstet*. 2012 Mar;285(3):873-7. Available from: PubMed; PMID 21984038
- Baran S, Api M, Goksedef BP, Cetin A. Comparison of metformin and clomiphene citrate therapy for induction of ovulation in the polycystic ovary syndrome. *Arch Gynecol Obstet*. 2010 Oct;282(4):439-43. Available from: PubMed; PMID 20473763

- Barber TM, Wass JA, McCarthy MI, Franks S. Metabolic characteristics of women with polycystic ovaries and oligo-amenorrhoea but normal androgen levels: implications for the management of polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Apr;66(4):513-7. Available from: PubMed; PMID 17371468
- Barber TM, Casanueva FF, Karpe F, Lage M, Franks S, McCarthy MI, Wass JA. Ghrelin levels are suppressed and show a blunted response to oral glucose in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2008 Apr;158(4):511-6. Available from: PubMed; PMID 18362298
- Barbieri RL. Metformin for the treatment of polycystic ovary syndrome. *Obstet Gynecol*. 2003 Apr;101(4):785-93. Available from: PubMed; PMID 12681887
- Barbieri RL, Gargiulo AR. Metformin for the treatment of the polycystic ovary syndrome. *Minerva Ginecol*. 2004 Feb;56(1):63-79. Available from: PubMed; PMID 14973411
- Barnett DK, Abbott DH. Reproductive adaptations to a large-brained fetus open a vulnerability to anovulation similar to polycystic ovary syndrome. *Am J Hum Biol*. 2003 May-Jun;15(3):296-319. Available from: PubMed; PMID 12704707
- Barr S, Hart K, Reeves S, Sharp K, Jeanes YM. Habitual dietary intake, eating pattern and physical activity of women with polycystic ovary syndrome. *Eur J Clin Nutr*. 2011 Oct;65(10):1126-32. Available from: PubMed; PMID 21629269
- Barth JH, Field HP, Yasmin E, Balen AH. Defining hyperandrogenism in polycystic ovary syndrome: measurement of testosterone and androstenedione by liquid chromatography-tandem mass spectrometry and analysis by receiver operator characteristic plots. *Eur J Endocrinol*. 2010 Mar;162(3):611-5. Available from: PubMed; PMID 20008514
- Baruah J, Roy KK, Rahman SM, Kumar S, Sharma JB, Karmakar D. Endometrial effects of letrozole and clomiphene citrate in women with polycystic ovary syndrome using spiral artery Doppler. *Arch Gynecol Obstet*. 2009 Mar;279(3):311-4. Available from: PubMed; PMID 18597100
- Bates GW, Shomento S, McKnight K, McLean HM. Novel clomiphene protocol in polycystic ovarian syndrome: Hurst et al. *Am J Obstet Gynecol*. 2009 May;200(5):586-7. Available from: PubMed; PMID 19375576
- Battaglia C, Regnani G, Artini PG, Giulini S, Genazzani AD, Genazzani AR, Volpe A. Polycystic ovary syndrome: a new ultrasonographic and color Doppler pattern. *Gynecol Endocrinol*. 2000 Dec;14(6):417-24. Available from: PubMed; PMID 11228062
- Battaglia C, Mancini F, Battaglia B, Facchinetti F, Artini PG, Venturoli S. L-arginine plus drospirenone-ethinyl estradiol in the treatment of patients with PCOS: a prospective, placebo controlled, randomised, pilot study. *Gynecol Endocrinol*. 2010 Dec;26(12):861-8. Available from: PubMed; PMID 20642382
- Battaglia C, Mancini F, Fabbri R, Persico N, Busacchi P, Facchinetti F, Venturoli S. Polycystic ovary syndrome and cardiovascular risk in young patients treated with drospirenone-ethinylestradiol or contraceptive vaginal ring. A prospective, randomized, pilot study. *Fertil Steril*. 2010 Sep;94(4):1417-25. Available from: PubMed; PMID 19591981
- Batukan C, Baysal B. Metformin improves ovulation and pregnancy rates in patients with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2001 Aug;265(3):124-7. Available from: PubMed; PMID 11561739
- Bayar U, Basaran M, Kiran S, Coskun A, Gezer S. Use of an aromatase inhibitor in patients with polycystic ovary syndrome: a prospective randomized trial. *Fertil Steril*. 2006 Nov;86(5):1447-51. Available from: PubMed; PMID 17070196
- Bayrak A, Terbell H, Urwitz-Lane R, Mor E, Stanczyk FZ, Paulson RJ. Acute effects of metformin therapy include improvement of insulin resistance and ovarian morphology. *Fertil Steril*. 2007 Apr;87(4):870-5. Available from: PubMed; PMID 17224152
- Bayrak T, Dursun P, Bayrak A, Gultekin M, Kulusari A, Cakir E, Ozyurt M, Zeyneloglu HB. Paraoxonase lactonase activity (PON-HTLase), asymmetric dimethylarginine (ADMA) and platelet activating factor-acetylhydrolase (PAF-AH) activity in non-obese women with PCOS. *Gynecol Endocrinol*. 2012 Nov;28(11):874-8. Available from: PubMed; PMID 22621680
- Bayram N, van Wely M, Vandekerckhove P, Lilford R, van Der Veen F. Pulsatile luteinising hormone releasing hormone for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2000 (2):CD000412. Available from: PubMed; PMID 10796718
- Bayram N, van Wely M, van Der Veen F. Recombinant FSH versus urinary gonadotrophins or recombinant FSH for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2001 (2):CD002121. Available from: PubMed; PMID 11406034
- Bayram F, Unluhizarci K, Kelestimur F. Potential utility of insulin sensitizers in the treatment of patients with Polycystic ovary syndrome. *Treat Endocrinol*. 2002;1(1):45-53. Available from: PubMed; PMID 15765620
- Bayram N, van Wely M, van der Veen F. Pulsatile gonadotrophin releasing hormone for ovulation induction in

- subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2004 (1):CD000412. Available from: PubMed; PMID 14973957
- Baysal B, Batukan M, Batukan C. Biochemical and body weight changes with metformin in polycystic ovary syndrome. *Clin Exp Obstet Gynecol.* 2001;28(4):212-4. Available from: PubMed; PMID 11838739
- Begum MR, Ferdous J, Begum A, Quadir E. Comparison of efficacy of aromatase inhibitor and clomiphene citrate in induction of ovulation in polycystic ovarian syndrome. *Fertil Steril.* 2009 Sep;92(3):853-7. Available from: PubMed; PMID 18177867
- Begum MR, Khanam NN, Quadir E, Ferdous J, Begum MS, Khan F, Begum A. Prevention of gestational diabetes mellitus by continuing metformin therapy throughout pregnancy in women with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2009 Apr;35(2):282-6. Available from: PubMed; PMID 19708174
- Behradmanesh S, Ranjbar Omrani GH, Ghazanfarpour F, Baradaran A. Effect of metformin on serum ferritin level in women with polycystic ovary syndrome. *Iran Red Crescent Med J.* 2011 Jul;13(7):487-92. Available from: PubMed; PMID 22737516
- Bell DS. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 May 10;356(19):1999-2000; author reply -1. Available from: PubMed; PMID 17506159
- Belli SH, Graffigna MN, Oneto A, Otero P, Schurman L, Levalle OA. Effect of rosiglitazone on insulin resistance, growth factors, and reproductive disturbances in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Mar;81(3):624-9. Available from: PubMed; PMID 15037412
- Bellver J, Martinez-Conejero JA, Labarta E, Alama P, Melo MA, Remohi J, Pellicer A, Horcajadas JA. Endometrial gene expression in the window of implantation is altered in obese women especially in association with polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):2335-41, 41 e1-8. Available from: PubMed; PMID 21481376
- Ben-Haroush A, Yogeve Y, Fisch B. Insulin resistance and metformin in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2004 Aug 10;115(2):125-33. Available from: PubMed; PMID 15262344
- Ben-Shlomo I. The polycystic ovary syndrome: what does insulin resistance have to do with it? *Reprod Biomed Online.* 2003 Jan-Feb;6(1):36-42. Available from: PubMed; PMID 12626141
- Berent-Spillson A, Love T, Pop-Busui R, Sowers M, Persad CC, Pennington KP, Eyvazaddeh AD, Padmanabhan V, Zubieta JK, Smith YR. Insulin resistance influences central opioid activity in polycystic ovary syndrome. *Fertil Steril.* 2011 Jun 30;95(8):2494-8. Available from: PubMed; PMID 21486668
- Bhathena RK. Therapeutic options in the polycystic ovary syndrome. *J Obstet Gynaecol.* 2007 Feb;27(2):123-9. Available from: PubMed; PMID 17454455
- Bhathena RK. Insulin resistance and the long-term consequences of polycystic ovary syndrome. *J Obstet Gynaecol.* 2011;31(2):105-10. Available from: PubMed; PMID 21281021
- Bhatia V. Insulin resistance in polycystic ovarian disease. *South Med J.* 2005 Sep;98(9):903-10; quiz 11-2, 23. Available from: PubMed; PMID 16217983
- Bhattacharya SM, Ghosh M, Basu R. Effects of ethinyl estradiol and desogestrel on clinical and metabolic parameters in Indian patients with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2012 Jan;38(1):285-90. Available from: PubMed; PMID 22070369
- Bideci A, Camurdan MO, Yesilkaya E, Demirel F, Cinaz P. Serum ghrelin, leptin and resistin levels in adolescent girls with polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2008 Aug;34(4):578-84. Available from: PubMed; PMID 18937712
- Bili H, Laven J, Imani B, Eijkemans MJ, Fauser BC. Age-related differences in features associated with polycystic ovary syndrome in normogonadotrophic oligo-amenorrhoeic infertile women of reproductive years. *Eur J Endocrinol.* 2001 Dec;145(6):749-55. Available from: PubMed; PMID 11720900
- Biro FM. Body morphology and its impact on adolescent and pediatric gynecology, with a special emphasis on polycystic ovary syndrome. *Curr Opin Obstet Gynecol.* 2003 Oct;15(5):347-51. Available from: PubMed; PMID 14501236
- Blank SK, McCartney CR, Marshall JC. The origins and sequelae of abnormal neuroendocrine function in polycystic ovary syndrome. *Hum Reprod Update.* 2006 Jul-Aug;12(4):351-61. Available from: PubMed; PMID 16670102
- Blank SK, McCartney CR, Helm KD, Marshall JC. Neuroendocrine effects of androgens in adult polycystic ovary syndrome and female puberty. *Semin Reprod Med.* 2007 Sep;25(5):352-9. Available from: PubMed; PMID 17710731
- Blank SK, Helm KD, McCartney CR, Marshall JC. Polycystic ovary syndrome in adolescence. *Ann N Y Acad Sci.* 2008;1135:76-84. Available from: PubMed; PMID 18574211
- Boomsma CM, Fauser BC, Macklon NS. Pregnancy complications in women with polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):72-84. Available from: PubMed; PMID 18181085

Bouchard P. Treatment of infertility in women with polycystic ovary syndrome. *Ann Endocrinol (Paris)*. 2010 May;71(3):225-7. Available from: PubMed; PMID 20394912

Brassard M, AinMelk Y, Baillargeon JP. Basic infertility including polycystic ovary syndrome. *Med Clin North Am*. 2008 Sep;92(5):1163-92, xi. Available from: PubMed; PMID 18721657

Brettenthaler N, De Geyter C, Huber PR, Keller U. Effect of the insulin sensitizer pioglitazone on insulin resistance, hyperandrogenism, and ovulatory dysfunction in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2004 Aug;89(8):3835-40. Available from: PubMed; PMID 15292314

Brown AJ. Depression and insulin resistance: applications to polycystic ovary syndrome. *Clin Obstet Gynecol*. 2004 Sep;47(3):592-6. Available from: PubMed; PMID 15326421

Brown J, Farquhar C, Beck J, Boothroyd C, Hughes E. Clomiphene and anti-oestrogens for ovulation induction in PCOS. *Cochrane Database Syst Rev*. 2009 (4):CD002249. Available from: PubMed; PMID 19821295

Bruns CM, Baum ST, Colman RJ, Dumesic DA, Eisner JR, Jensen MD, Whigham LD, Abbott DH. Prenatal androgen excess negatively impacts body fat distribution in a nonhuman primate model of polycystic ovary syndrome. *Int J Obes (Lond)*. 2007 Oct;31(10):1579-85. Available from: PubMed; PMID 17471299

Burgers JA, Fong SL, Louwers YV, Valkenburg O, de Jong FH, Fauser BC, Laven JS. Oligoovulatory and anovulatory cycles in women with polycystic ovary syndrome (PCOS): what's the difference? *J Clin Endocrinol Metab*. 2010 Dec;95(12):E485-9. Available from: PubMed; PMID 20843954

Burt Solorzano CM, Beller JP, Abshire MY, Collins JS, McCartney CR, Marshall JC. Neuroendocrine dysfunction in polycystic ovary syndrome. *Steroids*. 2012 Mar 10;77(4):332-7. Available from: PubMed; PMID 22172593

Cagnacci A, Paoletti AM, Renzi A, Orru M, Pilloni M, Melis GB, Volpe A. Glucose metabolism and insulin resistance in women with polycystic ovary syndrome during therapy with oral contraceptives containing cyproterone acetate or desogestrel. *J Clin Endocrinol Metab*. 2003 Aug;88(8):3621-5. Available from: PubMed; PMID 12915645

Cagnacci A. Oral contraceptives and insulin sensitivity. *Fertil Steril*. 2006 Jul;86(1):e5; author reply e6. Available from: PubMed; PMID 16750203

Campo S, Bezzi I, Garcea N. Ovarian hyperstimulation after administration of triptorelin therapy to a patient with polycystic ovary syndrome. *Fertil Steril*. 2000

Jun;73(6):1256-8. Available from: PubMed; PMID 10856495

Carbunaru G, Prasad P, Scoccia B, Shea P, Hopwood N, Ziai F, Chang YT, Myers SE, Mason JJ, Pang S. The hormonal phenotype of Nonclassic 3 beta-hydroxysteroid dehydrogenase (HSD3B) deficiency in hyperandrogenic females is associated with insulin-resistant polycystic ovary syndrome and is not a variant of inherited HSD3B2 deficiency. *J Clin Endocrinol Metab*. 2004 Feb;89(2):783-94. Available from: PubMed; PMID 14764797

Carlsen SM, Vanky E, Fleming R. Anti-Mullerian hormone concentrations in androgen-suppressed women with polycystic ovary syndrome. *Hum Reprod*. 2009 Jul;24(7):1732-8. Available from: PubMed; PMID 19342396

Carmassi F, De Negri F, Fioriti R, De Giorgi A, Giannarelli C, Fruzzetti F, Pedrinelli R, Dell'Omo G, Bersi C. Insulin resistance causes impaired vasodilation and hypofibrinolysis in young women with polycystic ovary syndrome. *Thromb Res*. 2005;116(3):207-14. Available from: PubMed; PMID 15935829

Carmina E, Longo A, Lobo RA. Does ovarian blood flow distinguish between ovulatory and anovulatory patients with polycystic ovary syndrome? *Am J Obstet Gynecol*. 2003 Nov;189(5):1283-6. Available from: PubMed; PMID 14634554

Carmina E, Lobo RA. Does metformin induce ovulation in normoandrogenic anovulatory women? *Am J Obstet Gynecol*. 2004 Nov;191(5):1580-4. Available from: PubMed; PMID 15547527

Carmina E, Lobo RA. Use of fasting blood to assess the prevalence of insulin resistance in women with polycystic ovary syndrome. *Fertil Steril*. 2004 Sep;82(3):661-5. Available from: PubMed; PMID 15374711

Carmina E, Orio F, Palomba S, Longo RA, Lombardi G, Lobo RA. Ovarian size and blood flow in women with polycystic ovary syndrome and their correlations with endocrine parameters. *Fertil Steril*. 2005 Aug;84(2):413-9. Available from: PubMed; PMID 16084883

Carmina E. Metabolic syndrome in polycystic ovary syndrome. *Minerva Ginecol*. 2006 Apr;58(2):109-14. Available from: PubMed; PMID 16582867

Carmina E, Napoli N, Longo RA, Rini GB, Lobo RA. Metabolic syndrome in polycystic ovary syndrome (PCOS): lower prevalence in southern Italy than in the USA and the influence of criteria for the diagnosis of PCOS. *Eur J Endocrinol*. 2006 Jan;154(1):141-5. Available from: PubMed; PMID 16382003

Carmina E, Campagna AM, Lobo RA. A 20-year follow-up of young women with polycystic ovary syndrome. *Obstet Gynecol*. 2012 Feb;119(2 Pt 1):263-9. Available from: PubMed; PMID 22270277

Castelo-Branco C, Steinvarcel F, Osorio A, Ros C, Balasch J. Atherogenic metabolic profile in PCOS patients: role of obesity and hyperandrogenism. *Gynecol Endocrinol*. 2010 Oct;26(10):736-42. Available from: PubMed; PMID 20569105

Cataldo NA, Abbasi F, McLaughlin TL, Basina M, Fechner PY, Giudice LC, Reaven GM. Metabolic and ovarian effects of rosiglitazone treatment for 12 weeks in insulin-resistant women with polycystic ovary syndrome. *Hum Reprod*. 2006 Jan;21(1):109-20. Available from: PubMed; PMID 16155076

Catteau-Jonard S, Pigny P, Reyss AC, Decanter C, Poncelet E, Dewailly D. Changes in serum anti-mullerian hormone level during low-dose recombinant follicular-stimulating hormone therapy for anovulation in polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Nov;92(11):4138-43. Available from: PubMed; PMID 17698904

Catteau-Jonard S, Jamin SP, Leclerc A, Gonzales J, Dewailly D, di Clemente N. Anti-Mullerian hormone, its receptor, FSH receptor, and androgen receptor genes are overexpressed by granulosa cells from stimulated follicles in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Nov;93(11):4456-61. Available from: PubMed; PMID 18697861

Cha KY, Lee DR, Cho JH, Yoon TK. In vitro maturation of immature oocytes and IVF/ICSI in PCOS patients. *J Indian Med Assoc*. 2006 Aug;104(8):446, 8, 73. Available from: PubMed; PMID 17240801

Chan TF, Tsai YC, Chiu PR, Chen YL, Lee CH, Tsai EM. Serum retinol-binding protein 4 levels in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Feb;93(3):869-73. Available from: PubMed; PMID 19028383

Chang RJ. The reproductive phenotype in polycystic ovary syndrome. *Nat Clin Pract Endocrinol Metab*. 2007 Oct;3(10):688-95. Available from: PubMed; PMID 17893687

Charitidou C, Farmakiotis D, Zournatzi V, Pidonia I, Pegiou T, Karamanis N, Hatzistilianou M, Katsikis I, Panidis D. The administration of estrogens, combined with anti-androgens, has beneficial effects on the hormonal features and asymmetric dimethyl-arginine levels, in women with the polycystic ovary syndrome. *Atherosclerosis*. 2008 Feb;196(2):958-65. Available from: PubMed; PMID 17418849

Chaudhury K, Chaudhury S, Chowdhury S. Does metformin augment the ovulation inducing effects of clomiphene in non-obese women with polycystic ovary syndrome? *J Indian Med Assoc*. 2008 Oct;106(10):643-4, 6-8. Available from: PubMed; PMID 19552097

Cheang KI, Baillargeon JP, Essah PA, Ostlund RE, Jr., Apridonize T, Islam L, Nestler JE. Insulin-stimulated release of D-chiro-inositol-containing inositolphosphoglycan mediator correlates with insulin sensitivity in women with polycystic ovary syndrome. *Metabolism*. 2008 Oct;57(10):1390-7. Available from: PubMed; PMID 18803944

Cheang KI, Huszar JM, Best AM, Sharma S, Essah PA, Nestler JE. Long-term effect of metformin on metabolic parameters in the polycystic ovary syndrome. *Diab Vasc Dis Res*. 2009 Apr;6(2):110-9. Available from: PubMed; PMID 20368201

Checa MA, Requena A, Salvador C, Tur R, Callejo J, Espinos JJ, Fabregues F, Herrero J. Insulin-sensitizing agents: use in pregnancy and as therapy in polycystic ovary syndrome. *Hum Reprod Update*. 2005 Jul-Aug;11(4):375-90. Available from: PubMed; PMID 15878899

Check JH. Ovulation disorders: Part II. Anovulation associated with normal estrogen. *Clin Exp Obstet Gynecol*. 2007;34(2):69-72. Available from: PubMed; PMID 17629155

Chekir C, Nakatsuka M, Kamada Y, Noguchi S, Sasaki A, Hiramatsu Y. Impaired uterine perfusion associated with metabolic disorders in women with polycystic ovary syndrome. *Acta Obstet Gynecol Scand*. 2005 Feb;84(2):189-95. Available from: PubMed; PMID 15683382

Chen JT, Tominaga K, Sato Y, Anzai H, Matsuoka R. Maitake mushroom (*Grifola frondosa*) extract induces ovulation in patients with polycystic ovary syndrome: a possible monotherapy and a combination therapy after failure with first-line clomiphene citrate. *J Altern Complement Med*. 2010 Dec;16(12):1295-9. Available from: PubMed; PMID 21034160

Chen MJ, Yang WS, Chen HF, Kuo JJ, Ho HN, Yang YS, Chen SU. Increased follistatin levels after oral contraceptive treatment in obese and non-obese women with polycystic ovary syndrome. *Hum Reprod*. 2010 Mar;25(3):779-85. Available from: PubMed; PMID 20093255

Chen H, Guo JH, Lu YC, Ding GL, Yu MK, Tsang LL, Fok KL, Liu XM, Zhang XH, Chung YW, Huang P, Huang H, Chan HC. Impaired CFTR-dependent amplification of FSH-stimulated estrogen production in cystic fibrosis and PCOS. *J Clin Endocrinol Metab*. 2012 Mar;97(3):923-32. Available from: PubMed; PMID 22170719

Chen MJ, Han DS, Yang JH, Yang YS, Ho HN, Yang WS. Myostatin and its association with abdominal obesity, androgen and follistatin levels in women with polycystic ovary syndrome. *Hum Reprod*. 2012 Aug;27(8):2476-83. Available from: PubMed; PMID 22693174

Chian RC. In-vitro maturation of immature oocytes for infertile women with PCOS. *Reprod Biomed Online*. 2004

- May;8(5):547-52. Available from: PubMed; PMID 15151718
- Cho LW, Kilpatrick ES, Keevil BG, Coady AM, Atkin SL. Effect of metformin, orlistat and pioglitazone treatment on mean insulin resistance and its biological variability in polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2009 Feb;70(2):233-7. Available from: PubMed; PMID 18547343
- Chou KH, von Eye Corleta H, Capp E, Spritzer PM. Clinical, metabolic and endocrine parameters in response to metformin in obese women with polycystic ovary syndrome: a randomized, double-blind and placebo-controlled trial. *Horm Metab Res*. 2003 Feb;35(2):86-91. Available from: PubMed; PMID 12734787
- Christakou CD, Diamanti-Kandarakis E. Role of androgen excess on metabolic aberrations and cardiovascular risk in women with polycystic ovary syndrome. *Womens Health (Lond Engl)*. 2008 Nov;4(6):583-94. Available from: PubMed; PMID 19072461
- Chu MC, Carmina E, Wang J, Lobo RA. Mullerian-inhibiting substance reflects ovarian findings in women with polycystic ovary syndrome better than does inhibin B. *Fertil Steril*. 2005 Dec;84(6):1685-8. Available from: PubMed; PMID 16359965
- Chu Y, Cui Q, Feng G, Song Z, Jiang X. The expression of resistin in adipose tissues of patients with polycystic ovary syndrome and insulin resistance. *J Huazhong Univ Sci Technolog Med Sci*. 2009 Oct;29(5):642-5. Available from: PubMed; PMID 19821101
- Ciampelli M, Leoni F, Lattanzi F, Guido M, Apa R, Lanzone A. A pilot study of the long-term effects of acipimox in polycystic ovarian syndrome. *Hum Reprod*. 2002 Mar;17(3):647-53. Available from: PubMed; PMID 11870117
- Cibula D, Sindelka G, Hill M, Fanta M, Skrha J, Zivny J. Insulin sensitivity in non-obese women with polycystic ovary syndrome during treatment with oral contraceptives containing low-androgenic progestin. *Hum Reprod*. 2002 Jan;17(1):76-82. Available from: PubMed; PMID 11756365
- Ciccone MM, Favale S, Bhuvra A, Scicchitano P, Caragnano V, Lavopa C, De Pergola G, Loverro G. Anteroposterior diameter of the infrarenal abdominal aorta is higher in women with polycystic ovary syndrome. *Vasc Health Risk Manag*. 2009;5(3):561-6. Available from: PubMed; PMID 19590590
- Ciotta L, Calogero AE, Farina M, De Leo V, La Marca A, Cianci A. Clinical, endocrine and metabolic effects of acarbose, an alpha-glucosidase inhibitor, in PCOS patients with increased insulin response and normal glucose tolerance. *Hum Reprod*. 2001 Oct;16(10):2066-72. Available from: PubMed; PMID 11574493
- Ciotta L, De Leo V, Farina M, Pafumi C, La Marca A, Cianci A. Endocrine and metabolic effects of insulin sensitizers in the treatment of patients with polycystic ovary syndrome and hyperinsulinaemia. *Gynecol Obstet Invest*. 2001;51(1):44-50. Available from: PubMed; PMID 11150875
- Cittadini E. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril*. 2011 Jun 30;95(8):e57; author reply e8. Available from: PubMed; PMID 21514580
- Cleemann L, Lauszus FF, Trolle B. Laparoscopic ovarian drilling as first line of treatment in infertile women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Mar;18(3):138-43. Available from: PubMed; PMID 15255282
- Connor EL. Adolescent polycystic ovary syndrome. *Adolesc Med State Art Rev*. 2012 Apr;23(1):164-77, xii. Available from: PubMed; PMID 22764561
- Cook CL, Siow Y, Brenner AG, Fallat ME. Relationship between serum mullerian-inhibiting substance and other reproductive hormones in untreated women with polycystic ovary syndrome and normal women. *Fertil Steril*. 2002 Jan;77(1):141-6. Available from: PubMed; PMID 11779604
- Cortet-Rudelli C, Pigny P, Decanter C, Leroy M, Maunoury-Lefebvre C, Thomas-Desrousseaux P, Dewailly D. Obesity and serum luteinizing hormone level have an independent and opposite effect on the serum inhibin B level in patients with polycystic ovary syndrome. *Fertil Steril*. 2002 Feb;77(2):281-7. Available from: PubMed; PMID 11821084
- Cosar E, Koken G, Sahin FK, Akgun L, Ucok K, Genc A, Yilmazer M. Resting metabolic rate and exercise capacity in women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2008 Apr;101(1):31-4. Available from: PubMed; PMID 18082748
- Costa EC, Azevedo GD. Defining exercise prescription in lifestyle modification programs for overweight/obese polycystic ovary syndrome women. *Fertil Steril*. 2012 Feb;97(2):e5; author reply e6. Available from: PubMed; PMID 22200176
- Costantino D, Minozzi G, Minozzi E, Guaraldi C. Metabolic and hormonal effects of myo-inositol in women with polycystic ovary syndrome: a double-blind trial. *Eur Rev Med Pharmacol Sci*. 2009 Mar-Apr;13(2):105-10. Available from: PubMed; PMID 19499845
- Costello MF, Eden JA. A systematic review of the reproductive system effects of metformin in patients with polycystic ovary syndrome. *Fertil Steril*. 2003 Jan;79(1):1-13. Available from: PubMed; PMID 12524053



- Costello M, Shrestha B, Eden J, Sjoblom P, Johnson N. Insulin-sensitising drugs versus the combined oral contraceptive pill for hirsutism, acne and risk of diabetes, cardiovascular disease, and endometrial cancer in polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2007 (1):CD005552. Available from: PubMed; PMID 17253562
- Costello MF, Ledger WL. Evidence-based management of infertility in women with polycystic ovary syndrome using surgery or assisted reproductive technology. *Womens Health (Lond Engl)*. 2012 May;8(3):291-300. Available from: PubMed; PMID 22554176
- Costello MF, Ledger WL. Evidence-based lifestyle and pharmacological management of infertility in women with polycystic ovary syndrome. *Womens Health (Lond Engl)*. 2012 May;8(3):277-90. Available from: PubMed; PMID 22554175
- Costello MF, Misso ML, Wong J, Hart R, Rombauts L, Melder A, Norman RJ, Teede HJ. The treatment of infertility in polycystic ovary syndrome: a brief update. *Aust N Z J Obstet Gynaecol*. 2012 Aug;52(4):400-3. Available from: PubMed; PMID 22639834
- Creanga AA, Bradley HM, McCormick C, Witkop CT. Use of metformin in polycystic ovary syndrome: a meta-analysis. *Obstet Gynecol*. 2008 Apr;111(4):959-68. Available from: PubMed; PMID 18378757
- Crisosto N, Codner E, Maliqueo M, Echiburu B, Sanchez F, Cassorla F, Sir-Petermann T. Anti-Mullerian hormone levels in peripubertal daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jul;92(7):2739-43. Available from: PubMed; PMID 17488788
- Crisosto N, Echiburu B, Maliqueo M, Perez V, Ladron de Guevara A, Preisler J, Sanchez F, Sir-Petermann T. Improvement of hyperandrogenism and hyperinsulinemia during pregnancy in women with polycystic ovary syndrome: possible effect in the ovarian follicular mass of their daughters. *Fertil Steril*. 2012 Jan;97(1):218-24. Available from: PubMed; PMID 22088206
- Cristello F, Cela V, Artini PG, Genazzani AR. Therapeutic strategies for ovulation induction in infertile women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 Dec;21(6):340-52. Available from: PubMed; PMID 16390783
- Cupisti S, Giltay EJ, Gooren LJ, Kronawitter D, Oppelt PG, Beckmann MW, Dittrich R, Mueller A. The impact of testosterone administration to female-to-male transsexuals on insulin resistance and lipid parameters compared with women with polycystic ovary syndrome. *Fertil Steril*. 2010 Dec;94(7):2647-53. Available from: PubMed; PMID 20451188
- Curry A. Better care for PCOS. Studying women's genes to find out what works. *Diabetes Forecast*. 2012 Mar;65(3):71-2. Available from: PubMed; PMID 22439384
- Cussons AJ, Watts GF, Burke V, Shaw JE, Zimmet PZ, Stuckey BG. Cardiometabolic risk in polycystic ovary syndrome: a comparison of different approaches to defining the metabolic syndrome. *Hum Reprod*. 2008 Oct;23(10):2352-8. Available from: PubMed; PMID 18635531
- Daghestani MH, Daghestani MH, El-Mazny A. Circulating ghrelin levels and the polycystic ovary syndrome: correlation with the clinical, hormonal and metabolic features. *Eur J Obstet Gynecol Reprod Biol*. 2011 Mar;155(1):65-8. Available from: PubMed; PMID 21216086
- Dale PO, Tanbo T, Ertzeid G, Bjercke S, Oldereid N, Fedorcsak P, Abyholm T. The impact of insulin resistance on the outcome of laparoscopic ovarian electrocautery in infertile women with the polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Oct;19(4):182-9. Available from: PubMed; PMID 15724800
- D'Anna R, Di Benedetto V, Rizzo P, Raffone E, Interdonato ML, Corrado F, Di Benedetto A. Myo-inositol may prevent gestational diabetes in PCOS women. *Gynecol Endocrinol*. 2012 Jun;28(6):440-2. Available from: PubMed; PMID 22122627
- Dasari P, Pranahita G. The efficacy of metformin and clomiphene citrate combination compared with clomiphene citrate alone for ovulation induction in infertile patients with PCOS. *J Hum Reprod Sci*. 2009 Jan;2(1):18-22. Available from: PubMed; PMID 19562069
- Dayani Siriwardene SA, Karunathilaka LP, Kodituwakku ND, Karunaratne YA. Clinical efficacy of Ayurveda treatment regimen on Subfertility with Poly Cystic Ovarian Syndrome (PCOS). *Ayu*. 2010 Jan;31(1):24-7. Available from: PubMed; PMID 22131680
- de Leo V, la Marca A, Morgante G, Ciotta L, Mencaglia L, Cianci A, Petraglia F. Clomiphene citrate increases insulin-like growth factor binding protein-1 and reduces insulin-like growth factor-I without correcting insulin resistance associated with polycystic ovarian syndrome. *Hum Reprod*. 2000 Nov;15(11):2302-5. Available from: PubMed; PMID 11056123
- De Leo V, la Marca A, Petraglia F. Insulin-lowering agents in the management of polycystic ovary syndrome. *Endocr Rev*. 2003 Oct;24(5):633-67. Available from: PubMed; PMID 14570747
- De Leo V, Musacchio MC, Morgante G, Piomboni P, Petraglia F. Metformin treatment is effective in obese teenage girls with PCOS. *Hum Reprod*. 2006 Sep;21(9):2252-6. Available from: PubMed; PMID 16785260

- De Leo V, Morgante G, Piomboni P, Musacchio MC, Petraglia F, Cianci A. Evaluation of effects of an oral contraceptive containing ethinylestradiol combined with drospirenone on adrenal steroidogenesis in hyperandrogenic women with polycystic ovary syndrome. *Fertil Steril.* 2007 Jul;88(1):113-7. Available from: PubMed; PMID 17418832
- De Leo V, Musacchio MC, Palermo V, Di Sabatino A, Morgante G, Petraglia F. Polycystic ovary syndrome and metabolic comorbidities: therapeutic options. *Drugs Today (Barc).* 2009 Oct;45(10):763-75. Available from: PubMed; PMID 20069140
- de Paula Guedes Neto E, Savaris RF, von Eye Corleta H, de Moraes GS, do Amaral Cristovam R, Lessey BA. Prospective, randomized comparison between raloxifene and clomiphene citrate for ovulation induction in polycystic ovary syndrome. *Fertil Steril.* 2011 Sep;96(3):769-73. Available from: PubMed; PMID 21782166
- de Paula Martins W, Santana LF, Nastri CO, Ferriani FA, de Sa MF, Dos Reis RM. Agreement among insulin sensitivity indexes on the diagnosis of insulin resistance in polycystic ovary syndrome and ovulatory women. *Eur J Obstet Gynecol Reprod Biol.* 2007 Aug;133(2):203-7. Available from: PubMed; PMID 17207902
- de Zegher F, Ibanez L. Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S4-5. Available from: PubMed; PMID 16798286
- de Zegher F, Ibanez L. Early Origins of polycystic ovary syndrome: hypotheses may change without notice. *J Clin Endocrinol Metab.* 2009 Oct;94(10):3682-5. Available from: PubMed; PMID 19808859
- de Ziegler D, Streuli I, Gayet V, Frydman N, Bajouh O, Chapron C. Retrieving oocytes from small non-stimulated follicles in polycystic ovary syndrome (PCOS): in vitro maturation (IVM) is not indicated in the new GnRH antagonist era. *Fertil Steril.* 2012 Aug;98(2):290-3. Available from: PubMed; PMID 22846648
- Dehbashi S, Vafaei H, Parsanezhad MD, Alborzi S. Time of initiation of clomiphene citrate and pregnancy rate in polycystic ovarian syndrome. *Int J Gynaecol Obstet.* 2006 Apr;93(1):44-8. Available from: PubMed; PMID 16530767
- Demirturk F, Caliskan AC, Aytan H, Erkorkmaz U. Effects of ovarian drilling in middle Black Sea region Turkish women with polycystic ovary syndrome having normal and high body mass indices. *J Obstet Gynaecol Res.* 2006 Oct;32(5):507-12. Available from: PubMed; PMID 16984519
- Demissie YN, Fiad TM, Klemm K, Twfeeg A, Al-Amoudi A, Meer L, Elhadd TA. Spontaneous singleton and twin pregnancy in two patients with polycystic ovary syndrome and type 2 diabetes following treatment with metformin combined with rosiglitazone. *Ann Saudi Med.* 2006 Jul-Aug;26(4):296-9. Available from: PubMed; PMID 16883081
- Dereli D, Dereli T, Bayraktar F, Ozgen AG, Yilmaz C. Endocrine and metabolic effects of rosiglitazone in non-obese women with polycystic ovary disease. *Endocr J.* 2005 Jun;52(3):299-308. Available from: PubMed; PMID 16006724
- Dewailly D, Catteau-Jonard S, Reyss AC, Maunoury-Lefebvre C, Poncelet E, Pigny P. The excess in 2-5 mm follicles seen at ovarian ultrasonography is tightly associated to the follicular arrest of the polycystic ovary syndrome. *Hum Reprod.* 2007 Jun;22(6):1562-6. Available from: PubMed; PMID 17449514
- Dewailly D, Hieronimus S, Mirakian P, Hugues JN. Polycystic ovary syndrome (PCOS). *Ann Endocrinol (Paris).* 2010 Feb;71(1):8-13. Available from: PubMed; PMID 20096827
- Dewailly D, Gronier H, Poncelet E, Robin G, Leroy M, Pigny P, Duhamel A, Catteau-Jonard S. Diagnosis of polycystic ovary syndrome (PCOS): revisiting the threshold values of follicle count on ultrasound and of the serum AMH level for the definition of polycystic ovaries. *Hum Reprod.* 2011 Nov;26(11):3123-9. Available from: PubMed; PMID 21926054
- Dhindsa G, Bhatia R, Dhindsa M, Bhatia V. Insulin resistance, insulin sensitization and inflammation in polycystic ovarian syndrome. *J Postgrad Med.* 2004 Apr-Jun;50(2):140-4. Available from: PubMed; PMID 15235215
- Diamanti-Kandarakis E, Zapanti E. Insulin sensitizers and antiandrogens in the treatment of polycystic ovary syndrome. *Ann N Y Acad Sci.* 2000;900:203-12. Available from: PubMed; PMID 10818407
- Diamanti-Kandarakis E, Spina G, Kouli C, Migdalis I. Increased endothelin-1 levels in women with polycystic ovary syndrome and the beneficial effect of metformin therapy. *J Clin Endocrinol Metab.* 2001 Oct;86(10):4666-73. Available from: PubMed; PMID 11600523
- Diamanti-Kandarakis E, Baillargeon JP, Iuorno MJ, Jakubowicz DJ, Nestler JE. A modern medical quandary: polycystic ovary syndrome, insulin resistance, and oral contraceptive pills. *J Clin Endocrinol Metab.* 2003 May;88(5):1927-32. Available from: PubMed; PMID 12727935
- Diamanti-Kandarakis E, Kandarakis HA. Conservative management of gynecologic diseases: insulin sensitizing agents in polycystic ovary syndrome. *Ann N Y Acad Sci.* 2003 Nov;997:322-9. Available from: PubMed; PMID 14644839
- Diamanti-Kandarakis E, Katsikis I, Piperi C, Alexandraki K, Panidis D. Effect of long-term orlistat treatment on serum levels of advanced glycation end-products in women

with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2007 Jan;66(1):103-9. Available from: PubMed; PMID 17201808

Diamanti-Kandarakis E, Livadas S, Kandarakis SA, Papassotiropoulos I, Margeli A. Low free plasma levels of retinol-binding protein 4 in insulin-resistant subjects with polycystic ovary syndrome. *J Endocrinol Invest*. 2008 Nov;31(11):950-5. Available from: PubMed; PMID 19169049

Diamanti-Kandarakis E, Kandaraki E, Christakou C, Panidis D. The effect of pharmaceutical intervention on lipid profile in polycystic ovary syndrome. *Obes Rev*. 2009 Jul;10(4):431-41. Available from: PubMed; PMID 19413702

Diamanti-Kandarakis E, Christakou CD, Kandaraki E, Economou FN. Metformin: an old medication of new fashion: evolving new molecular mechanisms and clinical implications in polycystic ovary syndrome. *Eur J Endocrinol*. 2010 Feb;162(2):193-212. Available from: PubMed; PMID 19841045

Diamanti-Kandarakis E. Reproductive endocrinology: Infertility treatment in PCOS--is metformin in from the cold? *Nat Rev Endocrinol*. 2012 Jun;8(6):328-30. Available from: PubMed; PMID 22547260

Diamanti-Kandarakis E, Christakou C, Marinakis E. Phenotypes and environmental factors: their influence in PCOS. *Curr Pharm Des*. 2012;18(3):270-82. Available from: PubMed; PMID 22229564

Diaz R. Reproductive endocrinology: Benefits of metformin in PCOS. *Nat Rev Endocrinol*. 2011 Aug;7(8):437. Available from: PubMed; PMID 21647188

Doldi N, Persico P, Di Sebastiano F, Marsiglio E, Ferrari A. Gonadotropin-releasing hormone antagonist and metformin for treatment of polycystic ovary syndrome patients undergoing in vitro fertilization-embryo transfer. *Gynecol Endocrinol*. 2006 May;22(5):235-8. Available from: PubMed; PMID 16785142

Dolfin E, Guani B, Lussiana C, Mari C, Restagno G, Revelli A. FSH-receptor Ala307Thr polymorphism is associated to polycystic ovary syndrome and to a higher responsiveness to exogenous FSH in Italian women. *J Assist Reprod Genet*. 2011 Sep;28(10):925-30. Available from: PubMed; PMID 21792664

Douchi T, Oki T, Yamasaki H, Nakae M, Imabayashi A, Nagata Y. Body fat patterning in polycystic ovary syndrome women as a predictor of the response to clomiphene. *Acta Obstet Gynecol Scand*. 2004 Sep;83(9):838-41. Available from: PubMed; PMID 15315595

Douglas CC, Gower BA, Darnell BE, Ovalle F, Oster RA, Azziz R. Role of diet in the treatment of polycystic ovary

syndrome. *Fertil Steril*. 2006 Mar;85(3):679-88. Available from: PubMed; PMID 16500338

Driscoll DA. Polycystic ovary syndrome in adolescence. *Ann N Y Acad Sci*. 2003 Nov;997:49-55. Available from: PubMed; PMID 14644809

Driscoll DA. Polycystic ovary syndrome in adolescence. *Semin Reprod Med*. 2003 Aug;21(3):301-7. Available from: PubMed; PMID 14593553

Ducluzeau PH, Cousin P, Malvoisin E, Bornet H, Vidal H, Laville M, Pugeat M. Glucose-to-insulin ratio rather than sex hormone-binding globulin and adiponectin levels is the best predictor of insulin resistance in nonobese women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Aug;88(8):3626-31. Available from: PubMed; PMID 12915646

Duleba AJ, Banaszewska B, Spaczynski RZ, Pawelczyk L. Success of laparoscopic ovarian wedge resection is related to obesity, lipid profile, and insulin levels. *Fertil Steril*. 2003 Apr;79(4):1008-14. Available from: PubMed; PMID 12749446

Duleba AJ. Medical management of metabolic dysfunction in PCOS. *Steroids*. 2012 Mar 10;77(4):306-11. Available from: PubMed; PMID 22182833

Dumesic DA, Abbott DH, Padmanabhan V. Polycystic ovary syndrome and its developmental origins. *Rev Endocr Metab Disord*. 2007 Jun;8(2):127-41. Available from: PubMed; PMID 17659447

Eagleson CA, Bellows AB, Hu K, Gingrich MB, Marshall JC. Obese patients with polycystic ovary syndrome: evidence that metformin does not restore sensitivity of the gonadotropin-releasing hormone pulse generator to inhibition by ovarian steroids. *J Clin Endocrinol Metab*. 2003 Nov;88(11):5158-62. Available from: PubMed; PMID 14602743

Economou F, Xyrafis X, Christakou C, Diamanti-Kandarakis E. The pluripotential effects of hypolipidemic treatment for polycystic ovary syndrome (PCOS): dyslipidemia, cardiovascular risk factors and beyond. *Curr Pharm Des*. 2011;17(9):908-21. Available from: PubMed; PMID 21418035

Eftekhari M, Khalili MA, Afatoonian A, Esfandiari N. Successful pregnancy following a novel endometrial preparation in a PCOS patient undergoing IVM: a case report. *J Assist Reprod Genet*. 2012 Apr;29(4):335-6. Available from: PubMed; PMID 22350529

Egbase PE, Al-Sharhan M, Grudzinskas JG. 'Early coasting' in patients with polycystic ovarian syndrome is consistent with good clinical outcome. *Hum Reprod*. 2002 May;17(5):1212-6. Available from: PubMed; PMID 11980740

- Ehrmann DA. Glucose intolerance in the polycystic ovary syndrome: role of the pancreatic beta-cell. *J Pediatr Endocrinol Metab.* 2000;13 Suppl 5:1299-301. Available from: PubMed; PMID 11117674
- Ehrmann DA, Schwarz PE, Hara M, Tang X, Horikawa Y, Imperial J, Bell GI, Cox NJ. Relationship of calpain-10 genotype to phenotypic features of polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Apr;87(4):1669-73. Available from: PubMed; PMID 11932299
- Ehrmann DA. Genetic contributions to glucose intolerance in polycystic ovary syndrome. *Reprod Biomed Online.* 2004 Jul;9(1):28-34. Available from: PubMed; PMID 15257813
- Eid GM, Cottam DR, Velcu LM, Mattar SG, Korytkowski MT, Gosman G, Hindi P, Schauer PR. Effective treatment of polycystic ovarian syndrome with Roux-en-Y gastric bypass. *Surg Obes Relat Dis.* 2005 Mar-Apr;1(2):77-80. Available from: PubMed; PMID 16925218
- El Behery MM, Diab AE, Mowafy H, Ebrahiem MA, Shehata AE. Effect of laparoscopic ovarian drilling on vascular endothelial growth factor and ovarian stromal blood flow using 3-dimensional power Doppler. *Int J Gynaecol Obstet.* 2011 Feb;112(2):119-21. Available from: PubMed; PMID 21144516
- Eldar-Geva T, Spitz IM, Groome NP, Margalioth EJ, Homburg R. Follistatin and activin A serum concentrations in obese and non-obese patients with polycystic ovary syndrome. *Hum Reprod.* 2001 Dec;16(12):2552-6. Available from: PubMed; PMID 11726573
- Eleftheriadou M, Michala L, Stefanidis K, Iliadis I, Lykeridou A, Antsaklis A. Exercise and sedentary habits among adolescents with PCOS. *J Pediatr Adolesc Gynecol.* 2012 Jun;25(3):172-4. Available from: PubMed; PMID 22260889
- Elghblawi E. Polycystic ovary syndrome and female reproduction. *Br J Nurs.* 2007 Oct 11-24;16(18):1118-21. Available from: PubMed; PMID 18073681
- Elhadd TA, Fiad T, Meer L. Ovarian stockpiling in polycystic ovary syndrome, infertility, and the combined use of rosiglitazone and metformin. *Diabetes Care.* 2006 Oct;29(10):2330-1. Available from: PubMed; PMID 17003323
- El-Halawaty S, Rizk A, Kamal M, Aboulhassan M, Al-Sawah H, Noah O, Al-Inany H. Clinical significance of serum concentration of anti-Mullerian hormone in obese women with polycystic ovary syndrome. *Reprod Biomed Online.* 2007 Nov;15(5):495-9. Available from: PubMed; PMID 18028738
- Elia EM, Belgorosky D, Faut M, Vighi S, Pustovrh C, Luigi D, Motta AB. The effects of metformin on uterine tissue of hyperandrogenized BALB/c mice. *Mol Hum Reprod.* 2009 Jul;15(7):421-32. Available from: PubMed; PMID 19482906
- Elkind-Hirsch KE. Thiazolidinediones for the therapeutic management of polycystic ovary syndrome : impact on metabolic and reproductive abnormalities. *Treat Endocrinol.* 2006;5(3):171-87. Available from: PubMed; PMID 16677059
- Elkind-Hirsch K, Marrioneaux O, Bhushan M, Vernor D, Bhushan R. Comparison of single and combined treatment with exenatide and metformin on menstrual cyclicity in overweight women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Jul;93(7):2670-8. Available from: PubMed; PMID 18460557
- Elmashad AI. Impact of laparoscopic ovarian drilling on anti-Mullerian hormone levels and ovarian stromal blood flow using three-dimensional power Doppler in women with anovulatory polycystic ovary syndrome. *Fertil Steril.* 2011 Jun;95(7):2342-6, 6 e1. Available from: PubMed; PMID 21514928
- El-Mazny A, Abou-Salem N, El-Sherbiny W, El-Mazny A. Insulin resistance, dyslipidemia, and metabolic syndrome in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2010 Jun;109(3):239-41. Available from: PubMed; PMID 20199774
- Elnashar A, Fouad H, Eldosoky M, Saeid N. Letrozole induction of ovulation in women with clomiphene citrate-resistant polycystic ovary syndrome may not depend on the period of infertility, the body mass index, or the luteinizing hormone/follicle-stimulating hormone ratio. *Fertil Steril.* 2006 Feb;85(2):511-3. Available from: PubMed; PMID 16595244
- El-Sheikh MM, Hussein M, Fouad S, El-Sheikh R, Bauer O, Al-Hasani S. Limited ovarian stimulation (LOS), prevents the recurrence of severe forms of ovarian hyperstimulation syndrome in polycystic ovarian disease. *Eur J Obstet Gynecol Reprod Biol.* 2001 Feb;94(2):245-9. Available from: PubMed; PMID 11165733
- El-Sheikh MM, Sehly N, Al Mesiry W, Fouad S. Oocytes collected 60 hours after human chorionic gonadotropin administration from patients with polycystic ovary syndrome who underwent limited ovarian stimulation resulted in clinical pregnancies and the delivery of a healthy baby. *Fertil Steril.* 2005 Dec;84(6):1758-61. Available from: PubMed; PMID 16359985
- El-Sheikhah A. Surgical induction of ovulation in polycystic ovarian disease. *J Obstet Gynaecol.* 2002 Nov;22(6):583-5. Available from: PubMed; PMID 12554240
- Elter K, Imir G, Durmusoglu F. Clinical, endocrine and metabolic effects of metformin added to ethinyl estradiol-cyproterone acetate in non-obese women with polycystic ovarian syndrome: a randomized controlled study. *Hum*

Reprod. 2002 Jul;17(7):1729-37. Available from: PubMed; PMID 12093831

Elting MW, Korsen TJ, Schoemaker J. Obesity, rather than menstrual cycle pattern or follicle cohort size, determines hyperinsulinaemia, dyslipidaemia and hypertension in ageing women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2001 Dec;55(6):767-76. Available from: PubMed; PMID 11895219

Elting MW, Kwee J, Schats R, Rekers-Mombarg LT, Schoemaker J. The rise of estradiol and inhibin B after acute stimulation with follicle-stimulating hormone predict the follicle cohort size in women with polycystic ovary syndrome, regularly menstruating women with polycystic ovaries, and regularly menstruating women with normal ovaries. *J Clin Endocrinol Metab*. 2001 Apr;86(4):1589-95. Available from: PubMed; PMID 11297588

Elting MW, Kwee J, Korsen TJ, Rekers-Mombarg LT, Schoemaker J. Aging women with polycystic ovary syndrome who achieve regular menstrual cycles have a smaller follicle cohort than those who continue to have irregular cycles. *Fertil Steril*. 2003 May;79(5):1154-60. Available from: PubMed; PMID 12738511

Ercan CM, Duru NK, Sakinci M, Alanbay I, Karasahin KE, Baser I. Successful twin pregnancy achieved by assisted reproductive technology in a patient with polycystic ovary syndrome with complex atypical endometrial hyperplasia treated with levonorgestrel-releasing intrauterine system. *Gynecol Endocrinol*. 2010 Feb;26(2):125-8. Available from: PubMed; PMID 20074021

Erel CT, Senturk LM, Kaleli S, Gezer A, Baysal B, Tasan E. Is serum leptin level regulated by thyroid functions, lipid metabolism and insulin resistance in polycystic ovary syndrome? *Gynecol Endocrinol*. 2003 Jun;17(3):223-9. Available from: PubMed; PMID 12857430

Escobar-Morreale HF. Macroprolactinemia in women presenting with hyperandrogenic symptoms: Implications for the management of polycystic ovary syndrome. *Fertil Steril*. 2004 Dec;82(6):1697-9. Available from: PubMed; PMID 15589886

Escobar-Morreale HF, Luque-Ramirez M, San Millan JL. The molecular-genetic basis of functional hyperandrogenism and the polycystic ovary syndrome. *Endocr Rev*. 2005 Apr;26(2):251-82. Available from: PubMed; PMID 15561799

Escobar-Morreale HF. Polycystic ovary syndrome: treatment strategies and management. *Expert Opin Pharmacother*. 2008 Dec;9(17):2995-3008. Available from: PubMed; PMID 19013863

Escobar-Morreale HF. Surgical management of metabolic dysfunction in PCOS. *Steroids*. 2012 Mar 10;77(4):312-6. Available from: PubMed; PMID 22172592

Escobar-Morreale HF, Carmina E, Dewailly D, Gambineri A, Kelestimur F, Moghetti P, Pugeat M, Qiao J, Wijeyaratne CN, Witchel SF, Norman RJ. Epidemiology, diagnosis and management of hirsutism: a consensus statement by the Androgen Excess and Polycystic Ovary Syndrome Society. *Hum Reprod Update*. 2012 Mar-Apr;18(2):146-70. Available from: PubMed; PMID 22064667

Esinler I, Bayar U, Bozdag G, Yarali H. Outcome of intracytoplasmic sperm injection in patients with polycystic ovary syndrome or isolated polycystic ovaries. *Fertil Steril*. 2005 Oct;84(4):932-7. Available from: PubMed; PMID 16213846

Essah PA, Apridonidze T, Iuorno MJ, Nestler JE. Effects of short-term and long-term metformin treatment on menstrual cyclicity in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86(1):230-2. Available from: PubMed; PMID 16716324

Essah PA, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *J Endocrinol Invest*. 2006 Mar;29(3):270-80. Available from: PubMed; PMID 16682845

Essah PA, Wickham EP, Nestler JE. The metabolic syndrome in polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):205-25. Available from: PubMed; PMID 17304037

Essah PA, Arrowood JA, Cheang KI, Adawadkar SS, Stovall DW, Nestler JE. Effect of combined metformin and oral contraceptive therapy on metabolic factors and endothelial function in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2011 Aug;96(2):501-4 e2. Available from: PubMed; PMID 21733508

Falbo A, Orio F, Venturella R, Rania E, Materazzo C, Tolino A, Zullo F, Palomba S. Does metformin affect ovarian morphology in patients with polycystic ovary syndrome? A retrospective cross-sectional preliminary analysis. *J Ovarian Res*. 2009;2:5. Available from: PubMed; PMID 19480717

Falsetti L, Gambera A, Tisi G. Efficacy of the combination ethinyl oestradiol and cyproterone acetate on endocrine, clinical and ultrasonographic profile in polycystic ovarian syndrome. *Hum Reprod*. 2001 Jan;16(1):36-42. Available from: PubMed; PMID 11139533

Falsetti L, Gambera A, Andrico S, Sartori E. Acne and hirsutism in polycystic ovary syndrome: clinical, endocrine-metabolic and ultrasonographic differences. *Gynecol Endocrinol*. 2002 Aug;16(4):275-84. Available from: PubMed; PMID 12396556

Farhi J, Orvieto R, Homburg R. Administration of clomiphene citrate in patients with polycystic ovary syndrome, without inducing withdrawal bleeding, achieves comparable treatment characteristics and outcome. *Fertil*

Steril. 2010 Apr;93(6):2077-9. Available from: PubMed; PMID 19732872

Farquhar C, Vandekerckhove P, Arnot M, Lilford R. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2000 (2):CD001122. Available from: PubMed; PMID 10796746

Farquhar C, Vandekerckhove P, Lilford R. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2001 (4):CD001122. Available from: PubMed; PMID 11687100

Farquhar C, Lilford RJ, Marjoribanks J, Vandekerckhove P. Laparoscopic "drilling" by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2005 (3):CD001122. Available from: PubMed; PMID 16034856

Farquhar C, Lilford RJ, Marjoribanks J, Vandekerckhove P. Laparoscopic 'drilling' by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2007 (3):CD001122. Available from: PubMed; PMID 17636653

Farquhar C, Brown J, Marjoribanks J. Laparoscopic drilling by diathermy or laser for ovulation induction in anovulatory polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2012;6:CD001122. Available from: PubMed; PMID 22696324

Farshchi H, Rane A, Love A, Kennedy RL. Diet and nutrition in polycystic ovary syndrome (PCOS): pointers for nutritional management. *J Obstet Gynaecol.* 2007 Nov;27(8):762-73. Available from: PubMed; PMID 18097891

Fedorcsak P, Storeng R, Dale PO, Tanbo T, Abyholm T. Impaired insulin action on granulosa-lutein cells in women with polycystic ovary syndrome and insulin resistance. *Gynecol Endocrinol.* 2000 Oct;14(5):327-36. Available from: PubMed; PMID 11109972

Fedorcsak P, Storeng R, Dale PO, Tanbo T, Torjesen P, Urbancsek J, Abyholm T. Leptin and leptin binding activity in the preovulatory follicle of polycystic ovary syndrome patients. *Scand J Clin Lab Invest.* 2000 Dec;60(8):649-55. Available from: PubMed; PMID 11218147

Fedorcsak P, Dale PO, Storeng R, Abyholm T, Tanbo T. The effect of metformin on ovarian stimulation and in vitro fertilization in insulin-resistant women with polycystic ovary syndrome: an open-label randomized cross-over trial. *Gynecol Endocrinol.* 2003 Jun;17(3):207-14. Available from: PubMed; PMID 12857428

Felemban A, Tan SL, Tulandi T. Laparoscopic treatment of polycystic ovaries with insulated needle cautery: a reappraisal. *Fertil Steril.* 2000 Feb;73(2):266-9. Available from: PubMed; PMID 10685526

Fencki V, Fencki S, Yilmazer M, Serteser M. Decreased total antioxidant status and increased oxidative stress in women with polycystic ovary syndrome may contribute to the risk of cardiovascular disease. *Fertil Steril.* 2003 Jul;80(1):123-7. Available from: PubMed; PMID 12849813

Fencki SM, Fencki V, Oztekin O, Rota S, Karagenc N. Serum total L-carnitine levels in non-obese women with polycystic ovary syndrome. *Hum Reprod.* 2008 Jul;23(7):1602-6. Available from: PubMed; PMID 18378560

Fernandez H, Faivre E, Gervaise A, Deffieux X. Laparoscopic ovarian drilling using a 5-French bipolar energy probe. *Fertil Steril.* 2010 Jul;94(2):740-1. Available from: PubMed; PMID 19446807

Ferraretti AP, Gianaroli L, Magli MC, Iammarrone E, Feliciani E, Fortini D. Transvaginal ovarian drilling: a new surgical treatment for improving the clinical outcome of assisted reproductive technologies in patients with polycystic ovary syndrome. *Fertil Steril.* 2001 Oct;76(4):812-6. Available from: PubMed; PMID 11591418

Fica S, Albu A, Constantin M, Dobri GA. Insulin resistance and fertility in polycystic ovary syndrome. *J Med Life.* 2008 Oct-Dec;1(4):415-22. Available from: PubMed; PMID 20108521

Filho RB, Domingues L, Naves L, Ferraz E, Alves A, Casulari LA. Polycystic ovary syndrome and hyperprolactinemia are distinct entities. *Gynecol Endocrinol.* 2007 May;23(5):267-72. Available from: PubMed; PMID 17558684

Finsterer J, Kuntscher D, Brunner S, Krugluger W. Pseudotumor cerebri from sinus venous thrombosis, associated with polycystic ovary syndrome and hereditary hypercoagulability. *Gynecol Endocrinol.* 2007 Mar;23(3):179-82. Available from: PubMed; PMID 17454173

Fisken RA. Metformin in polycystic ovary syndrome. *N Engl J Med.* 2008 Apr 24;358(17):1866-7; author reply 8. Available from: PubMed; PMID 18437727

Fleischman A, Mansfield J. Diagnosis and treatment of polycystic ovarian syndrome and insulin resistance. *Pediatr Ann.* 2005 Sep;34(9):733-8, 41-2. Available from: PubMed; PMID 16222950

Fleming R, Harborne L, MacLaughlin DT, Ling D, Norman J, Sattar N, Seifer DB. Metformin reduces serum mullerian-inhibiting substance levels in women with polycystic ovary syndrome after protracted treatment. *Fertil Steril.* 2005 Jan;83(1):130-6. Available from: PubMed; PMID 15652898

Fleming R. The use of insulin sensitising agents in ovulation induction in women with polycystic ovary

syndrome. *Hormones (Athens)*. 2006 Jul-Sep;5(3):171-8. Available from: PubMed; PMID 16950750

Florakis D, Diamanti-Kandarakis E, Katsikis I, Nassiss GP, Karkanaki A, Georgopoulos N, Panidis D. Effect of hypocaloric diet plus sibutramine treatment on hormonal and metabolic features in overweight and obese women with polycystic ovary syndrome: a randomized, 24-week study. *Int J Obes (Lond)*. 2008 Apr;32(4):692-9. Available from: PubMed; PMID 18071341

Foong SC, Abbott DH, Zschunke MA, Lesnick TG, Phy JL, Dumesic DA. Follicle luteinization in hyperandrogenic follicles of polycystic ovary syndrome patients undergoing gonadotropin therapy for in vitro fertilization. *J Clin Endocrinol Metab*. 2006 Jun;91(6):2327-33. Available from: PubMed; PMID 16551732

Forrester-Dumont K, Galescu O, Kolesnikov A, Raissouni N, Bhangoo A, Ten S, Suss A. Hyperandrogenism Does Not Influence Metabolic Parameters in Adolescent Girls with PCOS. *Int J Endocrinol*. 2012;2012:434830. Available from: PubMed; PMID 22536232

Franks S, Mason H, Willis D. Follicular dynamics in the polycystic ovary syndrome. *Mol Cell Endocrinol*. 2000 May 25;163(1-2):49-52. Available from: PubMed; PMID 10963873

Franks S. Assessment and management of anovulatory infertility in polycystic ovary syndrome. *Endocrinol Metab Clin North Am*. 2003 Sep;32(3):639-51. Available from: PubMed; PMID 14560891

Franks S, Roberts R, Hardy K. Gonadotrophin regimens and oocyte quality in women with polycystic ovaries. *Reprod Biomed Online*. 2003 Mar;6(2):181-4. Available from: PubMed; PMID 12675997

Franks S, Stark J, Hardy K. Follicle dynamics and anovulation in polycystic ovary syndrome. *Hum Reprod Update*. 2008 Jul-Aug;14(4):367-78. Available from: PubMed; PMID 18499708

Franks S. When should an insulin sensitizing agent be used in the treatment of polycystic ovary syndrome? *Clin Endocrinol (Oxf)*. 2011 Feb;74(2):148-51. Available from: PubMed; PMID 21121941

Fraser IS, Kovacs G. Current recommendations for the diagnostic evaluation and follow-up of patients presenting with symptomatic polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):813-23. Available from: PubMed; PMID 15380149

Frederick J, DaCosta V, Wynter S, Reid M, Frederick C, McKenzie C. Effect of the oral contraceptive pill on patients undergoing controlled ovarian hyperstimulation. *West Indian Med J*. 2004 Jan;53(1):39-43. Available from: PubMed; PMID 15114893

Freemark M. Management of adolescents with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3354-6. Available from: PubMed; PMID 22058379

Fruzzetti F, Bersi C, Parrini D, Ricci C, Genazzani AR. Effect of long-term naltrexone treatment on endocrine profile, clinical features, and insulin sensitivity in obese women with polycystic ovary syndrome. *Fertil Steril*. 2002 May;77(5):936-44. Available from: PubMed; PMID 12009347

Fruzzetti F, Perini D, Lazzarini V, Parrini D, Gambacciani M, Genazzani AR. Comparison of effects of 3 mg drospirenone plus 20 µg ethinyl estradiol alone or combined with metformin or cyproterone acetate on classic metabolic cardiovascular risk factors in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Oct;94(5):1793-8. Available from: PubMed; PMID 19931080

Fulghesu AM, Apa R, Belosi C, Ciampelli M, Selvaggi L, Jr., Cucinelli F, Caruso A, Mancuso S, Lanzone A. Recombinant versus urinary follicle-stimulating hormone in the low-dose regimen in anovulatory patients with polycystic ovary syndrome: a safer and more effective treatment. *Horm Res*. 2001;55(5):224-8. Available from: PubMed; PMID 11740143

Fulghesu AM, Ciampelli M, Belosi C, Apa R, Guido M, Caruso A, Mancuso S, Lanzone A. Naltrexone effect on pulsatile GnRH therapy for ovulation induction in polycystic ovary syndrome: a pilot prospective study. *J Endocrinol Invest*. 2001 Jul-Aug;24(7):483-90. Available from: PubMed; PMID 11508781

Fulghesu AM, Ciampelli M, Muzj G, Belosi C, Selvaggi L, Ayala GF, Lanzone A. N-acetyl-cysteine treatment improves insulin sensitivity in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Jun;77(6):1128-35. Available from: PubMed; PMID 12057717

Fulghesu AM, Angioni S, Belosi C, Apa R, Selvaggi L, Ciampelli M, Iuculano A, Melis GB, Lanzone A. Pituitary-ovarian response to the gonadotrophin-releasing hormone-agonist test in anovulatory patients with polycystic ovary syndrome: predictive role of ovarian stroma. *Clin Endocrinol (Oxf)*. 2006 Sep;65(3):396-401. Available from: PubMed; PMID 16918963

Fulghesu AM, Angioni S, Frau E, Belosi C, Apa R, Mioni R, Xamin N, Capobianco GP, Dessole S, Fruzzetti F, Lazzarini V, Minerba L, Melis GB, Lanzone A. Ultrasound in polycystic ovary syndrome--the measuring of ovarian stroma and relationship with circulating androgens: results of a multicentric study. *Hum Reprod*. 2007 Sep;22(9):2501-8. Available from: PubMed; PMID 17635847

Fulghesu A, Magnini R, Portoghese E, Angioni S, Minerba L, Melis GB. Obesity-related lipid profile and altered insulin secretion in adolescents with polycystic ovary

syndrome. *J Adolesc Health*. 2010 May;46(5):474-81. Available from: PubMed; PMID 20413084

Fusco A, Bianchi A, Mancini A, Milardi D, Giampietro A, Cimino V, Porcelli T, Romualdi D, Guido M, Lanzone A, Pontecorvi A, De Marinis L. Effects of ghrelin administration on endocrine and metabolic parameters in obese women with polycystic ovary syndrome. *J Endocrinol Invest*. 2007 Dec;30(11):948-56. Available from: PubMed; PMID 18250617

Futterweit W. Polycystic ovary syndrome: a common reproductive and metabolic disorder necessitating early recognition and treatment. *Prim Care*. 2007 Dec;34(4):761-89, vi. Available from: PubMed; PMID 18061817

Galazis N, Galazi M, Atiomo W. D-Chiro-inositol and its significance in polycystic ovary syndrome: a systematic review. *Gynecol Endocrinol*. 2011 Apr;27(4):256-62. Available from: PubMed; PMID 21142777

Galletly C, Moran L, Noakes M, Clifton P, Tomlinson L, Norman R. Psychological benefits of a high-protein, low-carbohydrate diet in obese women with polycystic ovary syndrome--a pilot study. *Appetite*. 2007 Nov;49(3):590-3. Available from: PubMed; PMID 17509728

Galluzzo A, Amato MC, Giordano C. Insulin resistance and polycystic ovary syndrome. *Nutr Metab Cardiovasc Dis*. 2008 Sep;18(7):511-8. Available from: PubMed; PMID 18657405

Gambineri A, Pelusi C, Vicennati V, Pagotto U, Pasquali R. Obesity and the polycystic ovary syndrome. *Int J Obes Relat Metab Disord*. 2002 Jul;26(7):883-96. Available from: PubMed; PMID 12080440

Gambineri A, Pagotto U, Tschop M, Vicennati V, Manicardi E, Carcello A, Cacciari M, De Iasio R, Pasquali R. Anti-androgen treatment increases circulating ghrelin levels in obese women with polycystic ovary syndrome. *J Endocrinol Invest*. 2003 Jul;26(7):629-34. Available from: PubMed; PMID 14594113

Gambineri A, Pelusi C, Genghini S, Morselli-Labate AM, Cacciari M, Pagotto U, Pasquali R. Effect of flutamide and metformin administered alone or in combination in dieting obese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2004 Feb;60(2):241-9. Available from: PubMed; PMID 14725687

Gambineri A, Pelusi C, Manicardi E, Vicennati V, Cacciari M, Morselli-Labate AM, Pagotto U, Pasquali R. Glucose intolerance in a large cohort of mediterranean women with polycystic ovary syndrome: phenotype and associated factors. *Diabetes*. 2004 Sep;53(9):2353-8. Available from: PubMed; PMID 15331545

Gambineri A, Patton L, De Iasio R, Cantelli B, Cognini GE, Filicori M, Barreca A, Diamanti-Kandarakis E, Pagotto U, Pasquali R. Efficacy of octreotide-LAR in dieting women with abdominal obesity and polycystic

ovary syndrome. *J Clin Endocrinol Metab*. 2005 Jul;90(7):3854-62. Available from: PubMed; PMID 15827099

Gambineri A, Patton L, Vaccina A, Cacciari M, Morselli-Labate AM, Cavazza C, Pagotto U, Pasquali R. Treatment with flutamide, metformin, and their combination added to a hypocaloric diet in overweight-obese women with polycystic ovary syndrome: a randomized, 12-month, placebo-controlled study. *J Clin Endocrinol Metab*. 2006 Oct;91(10):3970-80. Available from: PubMed; PMID 16868063

Gambineri A, Patton L, De Iasio R, Palladoro F, Pagotto U, Pasquali R. Insulin-like factor 3: a new circulating hormone related to luteinizing hormone-dependent ovarian hyperandrogenism in the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jun;92(6):2066-73. Available from: PubMed; PMID 17356050

Gambineri A, Semple RK, Forlani G, Genghini S, Grassi I, Hyden CS, Pagotto U, O'Rahilly S, Pasquali R. Monogenic polycystic ovary syndrome due to a mutation in the lamin A/C gene is sensitive to thiazolidinediones but not to metformin. *Eur J Endocrinol*. 2008 Sep;159(3):347-53. Available from: PubMed; PMID 18728124

Gambineri A, Tomassoni F, Gasparini DI, Di Rocco A, Mantovani V, Pagotto U, Altieri P, Sanna S, Fulghesu AM, Pasquali R. Organic cation transporter 1 polymorphisms predict the metabolic response to metformin in women with the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2010 Oct;95(10):E204-8. Available from: PubMed; PMID 20660041

Gangale MF, Miele L, Lanzone A, Sagnella F, Martinez D, Tropea A, Moro F, Morciano A, Ciardulli A, Palla C, Pompili M, Cefalo C, Grieco A, Apa R. Long-term metformin treatment is able to reduce the prevalence of metabolic syndrome and its hepatic involvement in young hyperinsulinaemic overweight patients with polycystic ovarian syndrome. *Clin Endocrinol (Oxf)*. 2011 Oct;75(4):520-7. Available from: PubMed; PMID 21569072

Ganie MA, Kalra S. Polycystic ovary syndrome - A metabolic malady, the mother of all lifestyle disorders in women - Can Indian health budget tackle it in future? *Indian J Endocrinol Metab*. 2011 Oct;15(4):239-41. Available from: PubMed; PMID 22028993

Garnes HM, Tambascia MA, Zantut-Wittmann DE. Endocrine-metabolic effects of the treatment with pioglitazone in obese patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 Dec;21(6):317-23. Available from: PubMed; PMID 16390779

Garruti G, Depalo R, Vita MG, Lorusso F, Giampetruzzi F, Damato AB, Giorgino F. Adipose tissue, metabolic syndrome and polycystic ovary syndrome: from pathophysiology to treatment. *Reprod Biomed Online*.



2009 Oct;19(4):552-63. Available from: PubMed; PMID 19909598

Garry R. Is insulin resistance an essential component of PCOS?: The endometriosis syndromes: a clinical classification in the presence of aetiological confusion and therapeutic anarchy. *Hum Reprod.* 2004 Apr;19(4):760-8. Available from: PubMed; PMID 15033944

Ge HS, Huang XF, Zhang W, Zhao JZ, Lin JJ, Zhou W. Exposure to human chorionic gonadotropin during in vitro maturation does not improve the maturation rate and developmental potential of immature oocytes from patients with polycystic ovary syndrome. *Fertil Steril.* 2008 Jan;89(1):98-103. Available from: PubMed; PMID 17524398

Geberhiwot T, Jones AF. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med.* 2007 May 10;356(19):2000; author reply 1999-2001. Available from: PubMed; PMID 17506158

Geller DH, Pacaud D, Gordon CM, Misra M. State of the Art Review: Emerging Therapies: The Use of Insulin Sensitizers in the Treatment of Adolescents with Polycystic Ovary Syndrome (PCOS). *Int J Pediatr Endocrinol.* 2011;2011:9. Available from: PubMed; PMID 21899727

Genazzani AD, Strucchi C, Luisi M, Casarosa E, Lanzoni C, Baraldi E, Ricchieri F, Mehmeti H, Genazzani AR. Metformin administration modulates neurosteroids secretion in non-obese amenorrhoeic patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2006 Jan;22(1):36-43. Available from: PubMed; PMID 16522532

Genazzani AD, Lanzoni C, Ricchieri F, Baraldi E, Casarosa E, Jasonni VM. Metformin administration is more effective when non-obese patients with polycystic ovary syndrome show both hyperandrogenism and hyperinsulinemia. *Gynecol Endocrinol.* 2007 Mar;23(3):146-52. Available from: PubMed; PMID 17454168

Genazzani AD, Lanzoni C, Ricchieri F, Jasonni VM. Myo-inositol administration positively affects hyperinsulinemia and hormonal parameters in overweight patients with polycystic ovary syndrome. *Gynecol Endocrinol.* 2008 Mar;24(3):139-44. Available from: PubMed; PMID 18335328

Genazzani AD, Chierchia E, Rattighieri E, Santagni S, Casarosa E, Luisi M, Genazzani AR. Metformin administration restores allopregnanolone response to adrenocorticotrophic hormone (ACTH) stimulation in overweight hyperinsulinemic patients with PCOS. *Gynecol Endocrinol.* 2010 Sep;26(9):684-9. Available from: PubMed; PMID 20624011

Genazzani AD, Prati A, Santagni S, Ricchieri F, Chierchia E, Rattighieri E, Campedelli A, Simoncini T, Artini PG. Differential insulin response to myo-inositol administration in obese polycystic ovary syndrome patients. *Gynecol*

*Endocrinol.* 2012 May 21. Available from: PubMed; PMID 22612517

Genton P, Bauer J, Duncan S, Taylor AE, Balen AH, Eberle A, Pedersen B, Salas-Puig X, Sauer MV. On the association between valproate and polycystic ovary syndrome. *Epilepsia.* 2001 Mar;42(3):295-304. Available from: PubMed; PMID 11442143

Georgopoulos NA, Katsikis I, Florakis D, Panidis D, Kandarakis ED. Effect of sibutramine on weight reduction and insulin resistance in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Jun;91(6):e1. Available from: PubMed; PMID 19362719

Gerli S, Mignosa M, Di Renzo GC. Effects of inositol on ovarian function and metabolic factors in women with PCOS: a randomized double blind placebo-controlled trial. *Eur Rev Med Pharmacol Sci.* 2003 Nov-Dec;7(6):151-9. Available from: PubMed; PMID 15206484

Gerli S, Papaleo E, Ferrari A, Di Renzo GC. Randomized, double blind placebo-controlled trial: effects of myo-inositol on ovarian function and metabolic factors in women with PCOS. *Eur Rev Med Pharmacol Sci.* 2007 Sep-Oct;11(5):347-54. Available from: PubMed; PMID 18074942

Ghandi S, Aflatoonian A, Tabibnejad N, Moghaddam MH. The effects of metformin or orlistat on obese women with polycystic ovary syndrome: a prospective randomized open-label study. *J Assist Reprod Genet.* 2011 Jul;28(7):591-6. Available from: PubMed; PMID 21484319

Ghazeeri G, Kutteh WH, Bryer-Ash M, Haas D, Ke RW. Effect of rosiglitazone on spontaneous and clomiphene citrate-induced ovulation in women with polycystic ovary syndrome. *Fertil Steril.* 2003 Mar;79(3):562-6. Available from: PubMed; PMID 12620440

Ghazeeri GS, Nassar AH, Younes Z, Awwad JT. Pregnancy outcomes and the effect of metformin treatment in women with polycystic ovary syndrome: an overview. *Acta Obstet Gynecol Scand.* 2012 Jun;91(6):658-78. Available from: PubMed; PMID 22375613

Ghobadi C, Mirhosseini N, Shiran MR, Moghadamnia A, Lennard MS, Ledger WL, Rostami-Hodjegan A. Single-dose pharmacokinetic study of clomiphene citrate isomers in anovular patients with polycystic ovary disease. *J Clin Pharmacol.* 2009 Feb;49(2):147-54. Available from: PubMed; PMID 19033451

Giallauria F, Orio F, Palomba S, Lombardi G, Colao A, Vigorito C. Cardiovascular risk in women with polycystic ovary syndrome. *J Cardiovasc Med (Hagerstown).* 2008 Oct;9(10):987-92. Available from: PubMed; PMID 18799960

Giallauria F, Palomba S, Vigorito C, Tafuri MG, Colao A, Lombardi G, Orio F. Androgens in polycystic ovary syndrome: the role of exercise and diet. *Semin Reprod*

Med. 2009 Jul;27(4):306-15. Available from: PubMed; PMID 19530064

Gill S, Taylor AE, Martin KA, Welt CK, Adams JM, Hall JE. Specific factors predict the response to pulsatile gonadotropin-releasing hormone therapy in polycystic ovarian syndrome. *J Clin Endocrinol Metab.* 2001 Jun;86(6):2428-36. Available from: PubMed; PMID 11397835

Gillett MJ, Burnett JR, Yeap D. Clomiphene-associated combined hyperlipidemia: a case report. *J Reprod Med.* 2006 Jul;51(7):587-90. Available from: PubMed; PMID 16913553

Glintborg D, Hermann AP, Andersen M, Hagen C, Beck-Nielsen H, Veldhuis JD, Henriksen JE. Effect of pioglitazone on glucose metabolism and luteinizing hormone secretion in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Aug;86(2):385-97. Available from: PubMed; PMID 16782094

Glintborg D, Andersen M, Hagen C, Heickendorff L, Hermann AP. Association of pioglitazone treatment with decreased bone mineral density in obese premenopausal patients with polycystic ovary syndrome: a randomized, placebo-controlled trial. *J Clin Endocrinol Metab.* 2008 May;93(5):1696-701. Available from: PubMed; PMID 18285411

Glintborg D, Hojlund K, Andersen M, Henriksen JE, Beck-Nielsen H, Handberg A. Soluble CD36 and risk markers of insulin resistance and atherosclerosis are elevated in polycystic ovary syndrome and significantly reduced during pioglitazone treatment. *Diabetes Care.* 2008 Feb;31(2):328-34. Available from: PubMed; PMID 18000176

Glintborg D, Hojlund K, Andersen NR, Hansen BF, Beck-Nielsen H, Wojtaszewski JF. Impaired insulin activation and dephosphorylation of glycogen synthase in skeletal muscle of women with polycystic ovary syndrome is reversed by pioglitazone treatment. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3618-26. Available from: PubMed; PMID 18544618

Glintborg D, Andersen M, Richelsen B, Bruun JM. Plasma monocyte chemoattractant protein-1 (MCP-1) and macrophage inflammatory protein-1alpha are increased in patients with polycystic ovary syndrome (PCOS) and associated with adiposity, but unaffected by pioglitazone treatment. *Clin Endocrinol (Oxf).* 2009 Nov;71(5):652-8. Available from: PubMed; PMID 19170716

Glintborg D, Hermann AP, Hagen C, Jensen LT, Frystyk J, Bennett P, Flyvbjerg A, Andersen M. A randomized placebo-controlled study on the effects of pioglitazone on cortisol metabolism in polycystic ovary syndrome. *Fertil Steril.* 2009 Mar;91(3):842-50. Available from: PubMed; PMID 18402944

Glintborg D, Andersen M. Thiazolidinedione treatment in PCOS--an update. *Gynecol Endocrinol.* 2010 Nov;26(11):791-803. Available from: PubMed; PMID 20528570

Glueck CJ, Awadalla SG, Phillips H, Cameron D, Wang P, Fontaine RN. Polycystic ovary syndrome, infertility, familial thrombophilia, familial hypofibrinolysis, recurrent loss of in vitro fertilized embryos, and miscarriage. *Fertil Steril.* 2000 Aug;74(2):394-7. Available from: PubMed; PMID 10927066

Glueck CJ, Streicher P, Wang P. Treatment of polycystic ovary syndrome with insulin-lowering agents. *Expert Opin Pharmacother.* 2002 Aug;3(8):1177-89. Available from: PubMed; PMID 12150695

Glueck CJ, Wang P, Kobayashi S, Phillips H, Sieve-Smith L. Metformin therapy throughout pregnancy reduces the development of gestational diabetes in women with polycystic ovary syndrome. *Fertil Steril.* 2002 Mar;77(3):520-5. Available from: PubMed; PMID 11872206

Glueck CJ, Iyengar S, Goldenberg N, Smith LS, Wang P. Idiopathic intracranial hypertension: associations with coagulation disorders and polycystic-ovary syndrome. *J Lab Clin Med.* 2003 Jul;142(1):35-45. Available from: PubMed; PMID 12878984

Glueck CJ, Moreira A, Goldenberg N, Sieve L, Wang P. Pioglitazone and metformin in obese women with polycystic ovary syndrome not optimally responsive to metformin. *Hum Reprod.* 2003 Aug;18(8):1618-25. Available from: PubMed; PMID 12871871

Glueck CJ, Bornovali S, Pranikoff J, Goldenberg N, Dharashivkar S, Wang P. Metformin, pre-eclampsia, and pregnancy outcomes in women with polycystic ovary syndrome. *Diabet Med.* 2004 Aug;21(8):829-36. Available from: PubMed; PMID 15270785

Glueck CJ, Goldenberg N, Wang P, Loftspring M, Sherman A. Metformin during pregnancy reduces insulin, insulin resistance, insulin secretion, weight, testosterone and development of gestational diabetes: prospective longitudinal assessment of women with polycystic ovary syndrome from preconception throughout pregnancy. *Hum Reprod.* 2004 Mar;19(3):510-21. Available from: PubMed; PMID 14998944

Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. *MedGenMed.* 2005;7(4):41. Available from: PubMed; PMID 16614663

Glueck CJ, Aregawi D, Agloria M, Winiarska M, Sieve L, Wang P. Sustainability of 8% weight loss, reduction of insulin resistance, and amelioration of atherogenic-metabolic risk factors over 4 years by metformin-diet in

- women with polycystic ovary syndrome. *Metabolism*. 2006 Dec;55(12):1582-9. Available from: PubMed; PMID 17142128
- Glueck CJ, Golnik KC, Aregawi D, Goldenberg N, Sieve L, Wang P. Changes in weight, papilledema, headache, visual field, and life status in response to diet and metformin in women with idiopathic intracranial hypertension with and without concurrent polycystic ovary syndrome or hyperinsulinemia. *Transl Res*. 2006 Nov;148(5):215-22. Available from: PubMed; PMID 17145568
- Glueck CJ, Sieve L, Zhu B, Wang P. Plasminogen activator inhibitor activity, 4G5G polymorphism of the plasminogen activator inhibitor 1 gene, and first-trimester miscarriage in women with polycystic ovary syndrome. *Metabolism*. 2006 Mar;55(3):345-52. Available from: PubMed; PMID 16483878
- Glueck CJ, Goldenberg N, Sieve L, Wang P. An observational study of reduction of insulin resistance and prevention of development of type 2 diabetes mellitus in women with polycystic ovary syndrome treated with metformin and diet. *Metabolism*. 2008 Jul;57(7):954-60. Available from: PubMed; PMID 18555837
- Glueck CJ, Prankoff J, Aregawi D, Wang P. Prevention of gestational diabetes by metformin plus diet in patients with polycystic ovary syndrome. *Fertil Steril*. 2008 Mar;89(3):625-34. Available from: PubMed; PMID 17678910
- Golbahar J, Al-Ayadhi M, Das NM, Gumaa K. Sensitive and specific markers for insulin resistance, hyperandrogenemia, and inappropriate gonadotrophin secretion in women with polycystic ovary syndrome: a case-control study from Bahrain. *Int J Womens Health*. 2012;4:201-6. Available from: PubMed; PMID 22654525
- Goldenberg N, Glueck CJ, Loftspring M, Sherman A, Wang P. Metformin-diet benefits in women with polycystic ovary syndrome in the bottom and top quintiles for insulin resistance. *Metabolism*. 2005 Jan;54(1):113-21. Available from: PubMed; PMID 15562389
- Goldenberg N, Glueck C. Medical therapy in women with polycystic ovarian syndrome before and during pregnancy and lactation. *Minerva Ginecol*. 2008 Feb;60(1):63-75. Available from: PubMed; PMID 18277353
- Gomel V, Yarali H. Surgical treatment of polycystic ovary syndrome associated with infertility. *Reprod Biomed Online*. 2004 Jul;9(1):35-42. Available from: PubMed; PMID 15257815
- Gonzalez F. Inflammation in Polycystic Ovary Syndrome: underpinning of insulin resistance and ovarian dysfunction. *Steroids*. 2012 Mar 10;77(4):300-5. Available from: PubMed; PMID 22178787
- Gonzalez F, Sia CL, Stanczyk FZ, Blair HE, Krupa ME. Hyperandrogenism exerts an anti-inflammatory effect in obese women with polycystic ovary syndrome. *Endocrine*. 2012 Jul 1. Available from: PubMed; PMID 22752961
- Goodarzi MO, Erickson S, Port SC, Jennrich RI, Korenman SG. Relative impact of insulin resistance and obesity on cardiovascular risk factors in polycystic ovary syndrome. *Metabolism*. 2003 Jun;52(6):713-9. Available from: PubMed; PMID 12800096
- Goodarzi MO, Korenman SG. The importance of insulin resistance in polycystic ovary syndrome. *Fertil Steril*. 2003 Aug;80(2):255-8. Available from: PubMed; PMID 12909480
- Goodarzi MO, Azziz R. Metformin use in polycystic ovary syndrome: metabolic benefits and diabetes prevention. *Am J Med*. 2008 Aug;121(8):e9; author reply e11. Available from: PubMed; PMID 18691471
- Gorry A, White DM, Franks S. Infertility in polycystic ovary syndrome: focus on low-dose gonadotropin treatment. *Endocrine*. 2006 Aug;30(1):27-33. Available from: PubMed; PMID 17185789
- Griesinger G, Diedrich K, Tarlatzis BC, Kolibianakis EM. GnRH-antagonists in ovarian stimulation for IVF in patients with poor response to gonadotrophins, polycystic ovary syndrome, and risk of ovarian hyperstimulation: a meta-analysis. *Reprod Biomed Online*. 2006 Nov;13(5):628-38. Available from: PubMed; PMID 17169171
- Guido M, Romualdi D, Mancini A, Lattanzi F, Villa P, Barini A, Lanzone A, De Marinis L. Effect of the opioid blockade on the feeding-induced growth hormone response to growth hormone-releasing hormone in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Nov;78(5):994-1000. Available from: PubMed; PMID 12413983
- Guido M, Belosi C, Selvaggi L, Lattanzi F, Apa R, Fulghesu AM, Lanzone A. The effect of age on the ovarian response to gonadotropin and on pregnancy rate in polycystic ovary syndrome. *Gynecol Endocrinol*. 2003 Jun;17(3):215-21. Available from: PubMed; PMID 12857429
- Guido M, Romualdi D, Belosi C, Selvaggi L, Lanzone A. Longitudinal metabolic observation of metformin effects during pregnancy in hyperinsulinemic women with polycystic ovary syndrome: a case report. *J Endocrinol Invest*. 2004 Jan;27(1):70-5. Available from: PubMed; PMID 15053248
- Guido M, Romualdi D, Giuliani M, Suriano R, Selvaggi L, Apa R, Lanzone A. Drospirenone for the treatment of hirsute women with polycystic ovary syndrome: a clinical, endocrinological, metabolic pilot study. *J Clin Endocrinol Metab*. 2004 Jun;89(6):2817-23. Available from: PubMed; PMID 15181063

Guido M, Romualdi D, Suriano R, Giuliani M, Costantini B, Apa R, Lanzone A. Effect of pioglitazone treatment on the adrenal androgen response to corticotrophin in obese patients with polycystic ovary syndrome. *Hum Reprod*. 2004 Mar;19(3):534-9. Available from: PubMed; PMID 14998947

Guido M, Romualdi D, Giuliani M, Suriano R, Tienforti D, Costantini B, Lanzone A. Effect of metformin on the growth hormone response to growth hormone-releasing hormone in obese women with polycystic ovary syndrome. *Fertil Steril*. 2005 Nov;84(5):1470-6. Available from: PubMed; PMID 16275246

Guido M, Romualdi D, Lanzone A. Role of opioid antagonists in the treatment of women with glucoregulation abnormalities. *Curr Pharm Des*. 2006;12(8):1001-12. Available from: PubMed; PMID 16533167

Guido M, Romualdi D, De Marinis L, Porcelli T, Giuliani M, Costantini B, Lanzone A. Administration of exogenous ghrelin in obese patients with polycystic ovary syndrome: effects on plasma levels of growth hormone, glucose, and insulin. *Fertil Steril*. 2007 Jul;88(1):125-30. Available from: PubMed; PMID 17276431

Guido M, Romualdi D, Campagna G, Ricciardi L, Bompiani A, Lanzone A. Ethinylestradiol-chlormadinone acetate combination for the treatment of hirsutism and hormonal alterations of normal-weight women with polycystic ovary syndrome: evaluation of the metabolic impact. *Reprod Sci*. 2010 Aug;17(8):767-75. Available from: PubMed; PMID 20595709

Gulekli B, Buckett WM, Chian RC, Child TJ, Abdul-Jalil AK, Tan SL. Randomized, controlled trial of priming with 10,000 IU versus 20,000 IU of human chorionic gonadotropin in women with polycystic ovary syndrome who are undergoing in vitro maturation. *Fertil Steril*. 2004 Nov;82(5):1458-9. Available from: PubMed; PMID 15533381

Gurusinghe D, Gill S, Almario RU, Lee J, Horn WF, Keim NL, Kim K, Karakas SE. In polycystic ovary syndrome, adrenal steroids are regulated differently in the morning versus in response to nutrient intake. *Fertil Steril*. 2010 Mar 1;93(4):1192-9. Available from: PubMed; PMID 19342030

Guttmann-Bauman I. Approach to adolescent polycystic ovary syndrome (PCOS) in the pediatric endocrine community in the U.S.A. *J Pediatr Endocrinol Metab*. 2005 May;18(5):499-506. Available from: PubMed; PMID 15921180

Guzelmeric K, Alkan N, Pirimoglu M, Unal O, Turan C. Chronic inflammation and elevated homocysteine levels are associated with increased body mass index in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2007 Sep;23(9):505-10. Available from: PubMed; PMID 17852421

Guzick DS. Ovulation induction management of PCOS. *Clin Obstet Gynecol*. 2007 Mar;50(1):255-67. Available from: PubMed; PMID 17304040

Guzick DS. Treating the polycystic ovary syndrome the old-fashioned way. *N Engl J Med*. 2007 Feb 8;356(6):622-4. Available from: PubMed; PMID 17287483

Hacihanefioglu B, Seyisoglu H, Karsidag K, Elter K, Aksu F, Yilmaz T, Gurol AO. Influence of insulin resistance on total renin level in normotensive women with polycystic ovary syndrome. *Fertil Steril*. 2000 Feb;73(2):261-5. Available from: PubMed; PMID 10685525

Hacihanefioglu B, Somunkiran A, Mahmutoglu I, Sercelik A, Toptani S, Kervancioglu E. Effect of hypertension therapy with the angiotensin-converting enzyme inhibitor lisinopril on hyperandrogenism in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Mar;77(3):526-8. Available from: PubMed; PMID 11872207

Hadziomerovic-Pekic D, Wildt L, Weiss JM, Moeller K, Mattle V, Seeber BE. Metformin, naltrexone, or the combination of prednisolone and antiandrogenic oral contraceptives as first-line therapy in hyperinsulinemic women with polycystic ovary syndrome. *Fertil Steril*. 2010 Nov;94(6):2385-8. Available from: PubMed; PMID 20356587

Hagag P, Ben-Shlomo A, Herzianu I, Weiss M. Diagnosis of polycystic ovary disease in obese women with a 24-hour hormone profile after buserelin stimulation. *J Reprod Med*. 2000 Mar;45(3):171-8. Available from: PubMed; PMID 10756492

Hahn S, Bering van Halteren W, Roesler S, Schmidt M, Kimmig R, Tan S, Mann K, Janssen OE. The combination of increased ovarian volume and follicle number is associated with more severe hyperandrogenism in German women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes*. 2006 Apr;114(4):175-81. Available from: PubMed; PMID 16705549

Hahn S, Frey UH, Siffert W, Tan S, Mann K, Janssen OE. The CC genotype of the GNAS T393C polymorphism is associated with obesity and insulin resistance in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Nov;155(5):763-70. Available from: PubMed; PMID 17062894

Halperin IJ, Kumar SS, Stroup DF, Laredo SE. The association between the combined oral contraceptive pill and insulin resistance, dysglycemia and dyslipidemia in women with polycystic ovary syndrome: a systematic review and meta-analysis of observational studies. *Hum Reprod*. 2011 Jan;26(1):191-201. Available from: PubMed; PMID 21059754

Hamed HO, Hasan AF, Ahmed OG, Ahmed MA. Metformin versus laparoscopic ovarian drilling in clomiphene- and insulin-resistant women with polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2010

Feb;108(2):143-7. Available from: PubMed; PMID 19892338

Hara S, Takahashi T, Amita M, Igarashi H, Kurachi H. Usefulness of bezafibrate for ovulation induction in clomiphene citrate-resistant polycystic ovary syndrome patients with dyslipidemia: a prospective pilot study of seven cases. *Gynecol Obstet Invest.* 2010;70(3):166-72. Available from: PubMed; PMID 20558990

Harborne LR, Sattar N, Norman JE, Fleming R. Metformin and weight loss in obese women with polycystic ovary syndrome: comparison of doses. *J Clin Endocrinol Metab.* 2005 Aug;90(8):4593-8. Available from: PubMed; PMID 15886247

Harmani A, Cinar N, Bayraktar M, Yildiz BO. Oral Contraceptive Plus Anti-Androgen Therapy And Cardiometabolic Risk In Polycystic Ovary Syndrome. *Clin Endocrinol (Oxf).* 2012 Jun 15. Available from: PubMed; PMID 22702394

Harris-Glocker M, Davidson K, Kochman L, Guzick D, Hoeger K. Improvement in quality-of-life questionnaire measures in obese adolescent females with polycystic ovary syndrome treated with lifestyle changes and oral contraceptives, with or without metformin. *Fertil Steril.* 2010 Feb;93(3):1016-9. Available from: PubMed; PMID 19781696

Harrison CL, Stepto NK, Hutchison SK, Teede HJ. The impact of intensified exercise training on insulin resistance and fitness in overweight and obese women with and without polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2012 Mar;76(3):351-7. Available from: PubMed; PMID 21711376

Hart R. Polycystic ovarian syndrome--prognosis and treatment outcomes. *Curr Opin Obstet Gynecol.* 2007 Dec;19(6):529-35. Available from: PubMed; PMID 18007129

Hart R. PCOS and infertility. *Panminerva Med.* 2008 Dec;50(4):305-14. Available from: PubMed; PMID 19078871

Harwood K, Vuguin P, DiMartino-Nardi J. Current approaches to the diagnosis and treatment of polycystic ovarian syndrome in youth. *Horm Res.* 2007;68(5):209-17. Available from: PubMed; PMID 17426408

Hasan JA, Memon GU. Impact of metformin therapy in patients with polycystic ovarian syndrome. *J Coll Physicians Surg Pak.* 2005 Nov;15(11):712-5. Available from: PubMed; PMID 16300709

Hashimoto S, Yatabe J, Midorikawa S, Sanada H, Watanabe T. Inhibition of growth hormone excess reduces insulin resistance and ovarian dysfunction in a lean case of polycystic ovary syndrome with a growth-hormone-producing pituitary adenoma. *Horm Res.* 2003;59(3):149-55. Available from: PubMed; PMID 12637795

Hassan MA, Killick SR. Ultrasound diagnosis of polycystic ovaries in women who have no symptoms of polycystic ovary syndrome is not associated with subfecundity or subfertility. *Fertil Steril.* 2003 Oct;80(4):966-75. Available from: PubMed; PMID 14556819

Hassan A, Gordon CM. Polycystic ovary syndrome update in adolescence. *Curr Opin Pediatr.* 2007 Aug;19(4):389-97. Available from: PubMed; PMID 17630601

Haydardedeoglu B, Simsek E, Kilicdag EB, Bagis T. Metabolic and endocrine effects of metformin and metformin plus cyclic medroxyprogesterone acetate in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2009 Apr;105(1):32-5. Available from: PubMed; PMID 19155004

Heard MJ, Pierce A, Carson SA, Buster JE. Pregnancies following use of metformin for ovulation induction in patients with polycystic ovary syndrome. *Fertil Steril.* 2002 Apr;77(4):669-73. Available from: PubMed; PMID 11937113

Heijnen EM, Eijkemans MJ, Hughes EG, Laven JS, Macklon NS, Fauser BC. A meta-analysis of outcomes of conventional IVF in women with polycystic ovary syndrome. *Hum Reprod Update.* 2006 Jan-Feb;12(1):13-21. Available from: PubMed; PMID 16123051

Hendriks ML, Brouwer J, Hompes PG, Homburg R, Lambalk CB. LH as a diagnostic criterion for polycystic ovary syndrome in patients with WHO II oligo/amenorrhoea. *Reprod Biomed Online.* 2008 Jun;16(6):765-71. Available from: PubMed; PMID 18549684

Hernandez I, Parra A, Mendez I, Cabrera V, Cravioto MC, Mercado M, Diaz-Sanchez V, Larrea F. Hypothalamic dopaminergic tone and prolactin bioactivity in women with polycystic ovary syndrome. *Arch Med Res.* 2000 Mar-Apr;31(2):216-22. Available from: PubMed; PMID 10880731

Hernandez-Yero A, Santana Perez F, Ovies Carballo G, Cabrera-Rode E. Diamel therapy in polycystic ovary syndrome reduces hyperinsulinaemia, insulin resistance, and hyperandrogenaemia. *Int J Endocrinol.* 2012;2012:382719. Available from: PubMed; PMID 22778733

Heutling D, Schulz H, Nickel I, Kleinstein J, Kaltwasser P, Westphal S, Mittermayer F, Wolzt M, Krzyzanowska K, Randevo H, Scherthaner G, Lehnert H. Asymmetrical dimethylarginine, inflammatory and metabolic parameters in women with polycystic ovary syndrome before and after metformin treatment. *J Clin Endocrinol Metab.* 2008 Jan;93(1):82-90. Available from: PubMed; PMID 17986642

Hillard PJ. Oral contraceptives and the management of hyperandrogenism-polycystic ovary syndrome in

- adolescents. *Endocrinol Metab Clin North Am*. 2005 Sep;34(3):707-23, x. Available from: PubMed; PMID 16085167
- Hirschberg AL. Polycystic ovary syndrome, obesity and reproductive implications. *Womens Health (Lond Engl)*. 2009 Sep;5(5):529-40; quiz 41-2. Available from: PubMed; PMID 19702452
- Hoeger K. Obesity and weight loss in polycystic ovary syndrome. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):85-97, vi-vii. Available from: PubMed; PMID 11293006
- Hoeger KM, Kochman L, Wixom N, Craig K, Miller RK, Guzick DS. A randomized, 48-week, placebo-controlled trial of intensive lifestyle modification and/or metformin therapy in overweight women with polycystic ovary syndrome: a pilot study. *Fertil Steril*. 2004 Aug;82(2):421-9. Available from: PubMed; PMID 15302293
- Hoeger KM. Role of lifestyle modification in the management of polycystic ovary syndrome. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):293-310. Available from: PubMed; PMID 16772159
- Hoeger KM. Obesity and lifestyle management in polycystic ovary syndrome. *Clin Obstet Gynecol*. 2007 Mar;50(1):277-94. Available from: PubMed; PMID 17304042
- Hoeger K, Davidson K, Kochman L, Cherry T, Kopin L, Guzick DS. The impact of metformin, oral contraceptives, and lifestyle modification on polycystic ovary syndrome in obese adolescent women in two randomized, placebo-controlled clinical trials. *J Clin Endocrinol Metab*. 2008 Nov;93(11):4299-306. Available from: PubMed; PMID 18728175
- Hoeger KM. Exercise therapy in polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):93-100. Available from: PubMed; PMID 18181087
- Hoeger KM, Oberfield SE. Do women with PCOS have a unique predisposition to obesity? *Fertil Steril*. 2012 Jan;97(1):13-7. Available from: PubMed; PMID 22192136
- Hogg K, Young JM, Oliver EM, Souza CJ, McNeilly AS, Duncan WC. Enhanced thecal androgen production is prenatally programmed in an ovine model of polycystic ovary syndrome. *Endocrinology*. 2012 Jan;153(1):450-61. Available from: PubMed; PMID 22087026
- Homburg R. Should patients with polycystic ovarian syndrome be treated with metformin? A note of cautious optimism. *Hum Reprod*. 2002 Apr;17(4):853-6. Available from: PubMed; PMID 11925372
- Homburg R. The management of infertility associated with polycystic ovary syndrome. *Reprod Biol Endocrinol*. 2003 Nov 14;1:109. Available from: PubMed; PMID 14617367
- Homburg R. Management of infertility and prevention of ovarian hyperstimulation in women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2004 Oct;18(5):773-88. Available from: PubMed; PMID 15380146
- Homburg R. Pregnancy complications in PCOS. *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):281-92. Available from: PubMed; PMID 16772158
- Homburg R, Pap H, Brandes M, Huirne J, Hompes P, Lambalk CB. Endometrial biopsy during induction of ovulation with clomiphene citrate in polycystic ovary syndrome. *Gynecol Endocrinol*. 2006 Sep;22(9):506-10. Available from: PubMed; PMID 17071535
- Homburg R. Polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol*. 2008 Apr;22(2):261-74. Available from: PubMed; PMID 17804299
- Homburg R, Hendriks ML, Konig TE, Anderson RA, Balen AH, Brincat M, Child T, Davies M, D'Hooghe T, Martinez A, Rajkhowa M, Rueda-Saenz R, Hompes P, Lambalk CB. Clomifene citrate or low-dose FSH for the first-line treatment of infertile women with anovulation associated with polycystic ovary syndrome: a prospective randomized multinational study. *Hum Reprod*. 2012 Feb;27(2):468-73. Available from: PubMed; PMID 22128296
- Hoyt KL, Schmidt MC. Polycystic ovary (Stein-Leventhal) syndrome: etiology, complications, and treatment. *Clin Lab Sci*. 2004 Summer;17(3):155-63. Available from: PubMed; PMID 15314890
- Hsia Y, Dawoud D, Sutcliffe AG, Viner RM, Kinra S, Wong IC. Unlicensed use of metformin in children and adolescents in the UK. *Br J Clin Pharmacol*. 2012 Jan;73(1):135-9. Available from: PubMed; PMID 21762204
- Huang G, Coviello A. Clinical update on screening, diagnosis and management of metabolic disorders and cardiovascular risk factors associated with polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2012 Dec;19(6):512-9. Available from: PubMed; PMID 23108199
- Hughes E, Collins J, Vandekerckhove P. Ovulation induction with urinary follicle stimulating hormone versus human menopausal gonadotropin for clomiphene-resistant polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2000 (2):CD000087. Available from: PubMed; PMID 10796690
- Hunter MH, Sterrett JJ. Polycystic ovary syndrome: it's not just infertility. *Am Fam Physician*. 2000 Sep 1;62(5):1079-88, 90. Available from: PubMed; PMID 10997532
- Hurst BS, Hickman JM, Matthews ML, Usadi RS, Marshburn PB. Novel clomiphene "stair-step" protocol reduces time to ovulation in women with polycystic ovarian

- syndrome. *Am J Obstet Gynecol.* 2009 May;200(5):510 e1-4. Available from: PubMed; PMID 19114272
- Hutchison SK, Zoungas S, Teede HJ. Insulin levels, insulin resistance and the use of metformin in polycystic ovary syndrome. *Med J Aust.* 2007 Mar 5;186(5):268-9; author reply 71-2. Available from: PubMed; PMID 17391092
- Hutchison SK, Harrison C, Stepto N, Meyer C, Teede HJ. Retinol-binding protein 4 and insulin resistance in polycystic ovary syndrome. *Diabetes Care.* 2008 Jul;31(7):1427-32. Available from: PubMed; PMID 18390799
- Hutchison SK, Stepto NK, Harrison CL, Moran LJ, Strauss BJ, Teede HJ. Effects of exercise on insulin resistance and body composition in overweight and obese women with and without polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2011 Jan;96(1):E48-56. Available from: PubMed; PMID 20926534
- Hutchison SK, Teede HJ, Rachon D, Harrison CL, Strauss BJ, Stepto NK. Effect of exercise training on insulin sensitivity, mitochondria and computed tomography muscle attenuation in overweight women with and without polycystic ovary syndrome. *Diabetologia.* 2012 May;55(5):1424-34. Available from: PubMed; PMID 22246378
- Hwang JL, Seow KM, Lin YH, Huang LW, Hsieh BC, Tsai YL, Wu GJ, Huang SC, Chen CY, Chen PH, Tzeng CR. Ovarian stimulation by concomitant administration of cetrorelix acetate and HMG following Diane-35 pre-treatment for patients with polycystic ovary syndrome: a prospective randomized study. *Hum Reprod.* 2004 Sep;19(9):1993-2000. Available from: PubMed; PMID 15284212
- Ibanez L, de Zegher F. Low-dose combination of flutamide, metformin and an oral contraceptive for non-obese, young women with polycystic ovary syndrome. *Hum Reprod.* 2003 Jan;18(1):57-60. Available from: PubMed; PMID 12525441
- Ibanez L, Ong K, Ferrer A, Amin R, Dunger D, de Zegher F. Low-dose flutamide-metformin therapy reverses insulin resistance and reduces fat mass in nonobese adolescents with ovarian hyperandrogenism. *J Clin Endocrinol Metab.* 2003 Jun;88(6):2600-6. Available from: PubMed; PMID 12788862
- Ibanez L, De Zegher F. Flutamide-metformin plus an oral contraceptive (OC) for young women with polycystic ovary syndrome: switch from third- to fourth-generation OC reduces body adiposity. *Hum Reprod.* 2004 Aug;19(8):1725-7. Available from: PubMed; PMID 15229206
- Ibanez L, Valls C, Cabre S, De Zegher F. Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of early, low-dose flutamide. *J Clin Endocrinol Metab.* 2004 Sep;89(9):4716-20. Available from: PubMed; PMID 15356085
- Ibanez L, de Zegher F. Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of metformin at the start and after more than one year of therapy. *J Clin Endocrinol Metab.* 2005 Jan;90(1):39-43. Available from: PubMed; PMID 15483105
- Ibanez L, de Zegher F. Low-dose flutamide-metformin therapy for hyperinsulinemic hyperandrogenism in non-obese adolescents and women. *Hum Reprod Update.* 2006 May-Jun;12(3):243-52. Available from: PubMed; PMID 16407452
- Ibanez L, Lopez-Bermejo A, Diaz M, Enriquez G, Del Rio L, De Zegher F. Low-dose pioglitazone, flutamide, metformin plus an estrogen-progestagen for non-obese young women with polycystic ovary syndrome: increasing efficacy and persistent safety over 30 months. *Gynecol Endocrinol.* 2010 Dec;26(12):869-73. Available from: PubMed; PMID 20500100
- Ibanez L, Lopez-Bermejo A, Diaz M, Marcos MV, de Zegher F. Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. *J Clin Endocrinol Metab.* 2011 Aug;96(8):E1262-7. Available from: PubMed; PMID 21632811
- Ikechebelu JI, Mbamara SU, Okeke CA. Pregnancy following laparoscopic ovarian drilling for clomiphene resistant polycystic ovarian syndrome. *Niger J Clin Pract.* 2010 Jun;13(2):235-7. Available from: PubMed; PMID 20499766
- Ilie IR, Marian I, Mocan T, Ilie R, Mocan L, Duncea I, Pepene CE. Ethinylestradiol30mg-drospirenone and metformin: could this combination improve endothelial dysfunction in polycystic ovary syndrome? *BMC Endocr Disord.* 2012;12:9. Available from: PubMed; PMID 22713099
- Iuorno MJ, Nestler JE. Insulin-lowering drugs in polycystic ovary syndrome. *Obstet Gynecol Clin North Am.* 2001 Mar;28(1):153-64. Available from: PubMed; PMID 11293000
- Iwasa T, Matsuzaki T, Murakami M, Shimizu F, Kuwahara A, Yasui T, Irahara M. Reproducibility of luteinizing hormone hypersecretion in different phases of the menstrual cycle in polycystic ovary syndrome. *J Obstet Gynaecol Res.* 2009 Jun;35(3):514-9. Available from: PubMed; PMID 19527392
- Jakubowicz DJ, Seppala M, Jakubowicz S, Rodriguez-Armas O, Rivas-Santiago A, Koistinen H, Koistinen R, Nestler JE. Insulin reduction with metformin increases luteal phase serum glycodelin and insulin-like growth factor-binding protein 1 concentrations and enhances

uterine vascularity and blood flow in the polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2001 Mar;86(3):1126-33. Available from: PubMed; PMID 11238496

Jakubowska J, Bohdanowicz-Pawlak A, Milewicz A, Szymczak J, Bednarek-Tupikowska G, Demissie M. Plasma cytokines in obese women with polycystic ovary syndrome, before and after metformin treatment. *Gynecol Endocrinol.* 2008 Jul;24(7):378-84. Available from: PubMed; PMID 18645710

Jayaraman M, Subrahmanya HK, Modi K. Type 1 diabetes mellitus and polycystic ovary syndrome. *Endocr Pract.* 2009 Jan-Feb;15(1):80-1. Available from: PubMed; PMID 19211406

Jedel E, Labrie F, Oden A, Holm G, Nilsson L, Janson PO, Lind AK, Ohlsson C, Stener-Victorin E. Impact of electroacupuncture and physical exercise on hyperandrogenism and oligo/amenorrhea in women with polycystic ovary syndrome: a randomized controlled trial. *Am J Physiol Endocrinol Metab.* 2011 Jan;300(1):E37-45. Available from: PubMed; PMID 20943753

Jensterle M, Janez A, Vrtovec B, Meden-Vrtovec H, Pfeifer M, Prezelj J, Kocjan T. Decreased androgen levels and improved menstrual pattern after angiotensin II receptor antagonist telmisartan treatment in four hypertensive patients with polycystic ovary syndrome: case series. *Croat Med J.* 2007 Dec;48(6):864-70. Available from: PubMed; PMID 18074422

Jinno M, Kondou K, Teruya K. Low-dose metformin improves pregnancy rate in in vitro fertilization repeaters without polycystic ovary syndrome: prediction of effectiveness by multiple parameters related to insulin resistance. *Hormones (Athens).* 2010 Apr-Jun;9(2):161-70. Available from: PubMed; PMID 20687400

Joham AE, Teede HJ, Hutchison SK, Stepto NK, Harrison CL, Paul E, Watt MJ. PIGMENT EPITHELIUM-DERIVED FACTOR, INSULIN SENSITIVITY AND ADIPOSITY IN POLYCYSTIC OVARY SYNDROME: IMPACT OF EXERCISE TRAINING. *Obesity (Silver Spring).* 2012 May 29. Available from: PubMed; PMID 22641183

Johnsen S, Dolan SE, Fitch KV, Killilea KM, Shifren JL, Grinspoon SK. Absence of polycystic ovary syndrome features in human immunodeficiency virus-infected women despite significant hyperinsulinemia and truncal adiposity. *J Clin Endocrinol Metab.* 2005 Oct;90(10):5596-604. Available from: PubMed; PMID 16076939

Johnson NP. No more surrogate end-points in randomised trials: the PCOSMIC trial protocol for women with polycystic ovary syndrome using metformin for infertility with clomiphene. *Aust N Z J Obstet Gynaecol.* 2006 Apr;46(2):141-5. Available from: PubMed; PMID 16638037

Johnson NP, Stewart AW, Falkiner J, Farquhar CM, Milsom S, Singh VP, Okonkwo QL, Buckingham KL. PCOSMIC: a multi-centre randomized trial in women with Polycystic Ovary Syndrome evaluating Metformin for Infertility with Clomiphene. *Hum Reprod.* 2010 Jul;25(7):1675-83. Available from: PubMed; PMID 20435692

Johnson N. Metformin is a reasonable first-line treatment option for non-obese women with infertility related to anovulatory polycystic ovary syndrome--a meta-analysis of randomised trials. *Aust N Z J Obstet Gynaecol.* 2011 Apr;51(2):125-9. Available from: PubMed; PMID 21466513

Johnson NP, Bontekoe S, Stewart AW. Analysis of factors predicting success of metformin and clomiphene treatment for women with infertility owing to PCOS-related ovulation dysfunction in a randomised controlled trial. *Aust N Z J Obstet Gynaecol.* 2011 Jun;51(3):252-6. Available from: PubMed; PMID 21631446

Jungheim ES, Odibo AO. Fertility treatment in women with polycystic ovary syndrome: a decision analysis of different oral ovulation induction agents. *Fertil Steril.* 2010 Dec;94(7):2659-64. Available from: PubMed; PMID 20451181

Junk SM, Yeap D. Improved implantation and ongoing pregnancy rates after single-embryo transfer with an optimized protocol for in vitro oocyte maturation in women with polycystic ovaries and polycystic ovary syndrome. *Fertil Steril.* 2012 Oct;98(4):888-92. Available from: PubMed; PMID 22835445

Kahal H, Atkin SL, Sathyapalan T. Pharmacological treatment of obesity in patients with polycystic ovary syndrome. *J Obes.* 2011;2011:402052. Available from: PubMed; PMID 21197149

Kalgaonkar S, Almaro RU, Gurusinge D, Garamendi EM, Buchan W, Kim K, Karakas SE. Differential effects of walnuts vs almonds on improving metabolic and endocrine parameters in PCOS. *Eur J Clin Nutr.* 2011 Mar;65(3):386-93. Available from: PubMed; PMID 21157477

Kandil M, Selim M. Hormonal and sonographic assessment of ovarian reserve before and after laparoscopic ovarian drilling in polycystic ovary syndrome. *BJOG.* 2005 Oct;112(10):1427-30. Available from: PubMed; PMID 16167950

Kapoor S. Rimonabant: a rapidly expanding role in the management of metabolic and systemic disorders besides polycystic ovarian syndrome. *Clin Endocrinol (Oxf).* 2009 Feb;70(2):339. Available from: PubMed; PMID 18625002

Karabacak IY, Karabacak O, Toruner FB, Akdemir O, Arslan M. Treatment effect of sibutramine compared to fluoxetine on leptin levels in polycystic ovary disease. *Gynecol Endocrinol.* 2004 Oct;19(4):196-201. Available from: PubMed; PMID 15724802



Karakas S, Mortada R, Fellow C. In search of the "LINK": Acute Phase Serum Amyloid A. Atherosclerosis. 2011 Jun;216(2):266-8. Available from: PubMed; PMID 21450291

Kasim-Karakas SE, Almario RU, Gregory L, Wong R, Todd H, Lasley BL. Metabolic and endocrine effects of a polyunsaturated fatty acid-rich diet in polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2004 Feb;89(2):615-20. Available from: PubMed; PMID 14764771

Kassi EN, Diamanti-Kandarakis E, Papavassiliou AG. Correlates between hyperinsulinism and hyperandrogenemia? *Fertil Steril.* 2008 Apr;89(4):1033-4; author reply 4. Available from: PubMed; PMID 18339386

Katcher HI, Kunselman AR, Dmitrovic R, Demers LM, Gnatuk CL, Kris-Etherton PM, Legro RS. Comparison of hormonal and metabolic markers after a high-fat, Western meal versus a low-fat, high-fiber meal in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Apr;91(4):1175-82. Available from: PubMed; PMID 18331737

Katsiki N, Hatzitolios AI. Insulin-sensitizing agents in the treatment of polycystic ovary syndrome: an update. *Curr Opin Obstet Gynecol.* 2010 Dec;22(6):466-76. Available from: PubMed; PMID 20724929

Katsikis I, Karkanaki A, Misichronis G, Delkos D, Kandaraki EA, Panidis D. Phenotypic expression, body mass index and insulin resistance in relation to LH levels in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jun;156(2):181-5. Available from: PubMed; PMID 21353371

Kauffman RP, Baker TE, Baker VM, DiMarino P, Castracane VD. Endocrine and metabolic differences among phenotypic expressions of polycystic ovary syndrome according to the 2003 Rotterdam consensus criteria. *Am J Obstet Gynecol.* 2008 Jun;198(6):670 e1-7; discussion e7-10. Available from: PubMed; PMID 18355776

Kaya H, Sezik M, Ozkaya O. Evaluation of a new surgical approach for the treatment of clomiphene citrate-resistant infertility in polycystic ovary syndrome: laparoscopic ovarian multi-needle intervention. *J Minim Invasive Gynecol.* 2005 Jul-Aug;12(4):355-8. Available from: PubMed; PMID 16036198

Kaya C, Cengiz SD, Berker B, Demirtas S, Cesur M, Erdogan G. Comparative effects of atorvastatin and simvastatin on the plasma total homocysteine levels in women with polycystic ovary syndrome: a prospective randomized study. *Fertil Steril.* 2009 Aug;92(2):635-42. Available from: PubMed; PMID 18692805

Kazerooni T, Asadi N, Dehbashi S, Zolghadri J. Effect of folic acid in women with and without insulin resistance who have hyperhomocysteinemic polycystic ovary

syndrome. *Int J Gynaecol Obstet.* 2008 May;101(2):156-60. Available from: PubMed; PMID 18313674

Kazerooni T, Ghaffaripasand F, Kazerooni Y, Kazerooni M, Setoodeh S. Short-term metformin treatment for clomiphene citrate-resistant women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2009 Oct;107(1):50-3. Available from: PubMed; PMID 19552904

Kebapcilar L, Taner CE, Kebapcilar AG, Alacacioglu A, Sari I. Comparison of four different treatment regimens on coagulation parameters, hormonal and metabolic changes in women with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2010 Jan;281(1):35-42. Available from: PubMed; PMID 19330342

Kelestimur F, Unluhizarci K, Baybuga H, Atmaca H, Bayram F, Sahin Y. Prevalence of polycystic ovarian changes and polycystic ovary syndrome in premenopausal women with treated type 2 diabetes mellitus. *Fertil Steril.* 2006 Aug;86(2):405-10. Available from: PubMed; PMID 16762349

Kent SC, Legro RS. Polycystic ovary syndrome in adolescents. *Adolesc Med.* 2002 Feb;13(1):73-88, vi. Available from: PubMed; PMID 11841956

Ketel IJ, Stehouwer CD, Serne EH, Korsen TJ, Hompes PG, Smulders YM, de Jongh RT, Homburg R, Lambalk CB. Obese but not normal-weight women with polycystic ovary syndrome are characterized by metabolic and microvascular insulin resistance. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3365-72. Available from: PubMed; PMID 18593766

Kevenaar ME, Laven JS, Fong SL, Uitterlinden AG, de Jong FH, Themmen AP, Visser JA. A functional anti-mullerian hormone gene polymorphism is associated with follicle number and androgen levels in polycystic ovary syndrome patients. *J Clin Endocrinol Metab.* 2008 Apr;93(4):1310-6. Available from: PubMed; PMID 18230658

Khademi A, Alleyassin A, Aghahosseini M, Tabatabaefar L, Amini M. The Effect of Exercise in PCOS Women Who Exercise Regularly. *Asian J Sports Med.* 2010 Mar;1(1):35-40. Available from: PubMed; PMID 22375190

Khani B, Mehrabian F, Khalesi E, Eshraghi A. Effect of soy phytoestrogen on metabolic and hormonal disturbance of women with polycystic ovary syndrome. *J Res Med Sci.* 2011 Mar;16(3):297-302. Available from: PubMed; PMID 22091248

Khattab S, Mohsen IA, Aboul Foutouh I, Ashmawi HS, Mohsen MN, van Wely M, van der Veen F, Youssef MA. Can metformin reduce the incidence of gestational diabetes mellitus in pregnant women with polycystic ovary syndrome? Prospective cohort study. *Gynecol Endocrinol.* 2011 Oct;27(10):789-93. Available from: PubMed; PMID 21247239

- Khorram O, Helliwell JP, Katz S, Bonpane CM, Jaramillo L. Two weeks of metformin improves clomiphene citrate-induced ovulation and metabolic profiles in women with polycystic ovary syndrome. *Fertil Steril.* 2006 May;85(5):1448-51. Available from: PubMed; PMID 16579997
- Kilic S, Yilmaz N, Zulfikaroglu E, Erdogan G, Aydin M, Batioglu S. Inflammatory-metabolic parameters in obese and nonobese normoandrogenemic polycystic ovary syndrome during metformin and oral contraceptive treatment. *Gynecol Endocrinol.* 2011 Sep;27(9):622-9. Available from: PubMed; PMID 21105835
- Kilic-Okman T, Guldiken S, Kucuk M. Relationship between homocysteine and insulin resistance in women with polycystic ovary syndrome. *Endocr J.* 2004 Oct;51(5):505-8. Available from: PubMed; PMID 15516786
- Kim LH, Taylor AE, Barbieri RL. Insulin sensitizers and polycystic ovary syndrome: can a diabetes medication treat infertility? *Fertil Steril.* 2000 Jun;73(6):1097-8. Available from: PubMed; PMID 10856463
- Kim SH, Lee HJ, Kim JS, Moon C, Kim JC, Bae CS, Park HR, Jung U, Jo SK. HemoHIM improves ovarian morphology and decreases expression of nerve growth factor in rats with steroid-induced polycystic ovaries. *J Med Food.* 2009 Dec;12(6):1348-52. Available from: PubMed; PMID 20041792
- Kim CH, Jeon GH, Kim SR, Kim SH, Chae HD, Kang BM. Effects of pioglitazone on ovarian stromal blood flow, ovarian stimulation, and in vitro fertilization outcome in patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Jun;94(1):236-41. Available from: PubMed; PMID 19324344
- Kim CH, Moon JW, Kang HJ, Ahn JW, Kim SH, Chae HD, Kang BM. Effectiveness of GnRH antagonist multiple dose protocol applied during early and late follicular phase compared with GnRH agonist long protocol in non-obese and obese patients with polycystic ovary syndrome undergoing IVF/ICSI. *Clin Exp Reprod Med.* 2012 Mar;39(1):22-7. Available from: PubMed; PMID 22563547
- Kircher C, Smith KP. Acarbose for polycystic ovary syndrome. *Ann Pharmacother.* 2008 Jun;42(6):847-51. Available from: PubMed; PMID 18460589
- Kjotrod SB, Romundstad P, von During V, Sunde A, Carlsen SM. C-reactive protein levels are unaffected by metformin during pretreatment and an IVF cycle in women with polycystic ovary syndrome. *Fertil Steril.* 2008 Mar;89(3):635-41. Available from: PubMed; PMID 17548076
- Kjotrod SB, Sunde A, von During V, Carlsen SM. Possible metformin effect on adrenal androgens during pretreatment and IVF cycle in women with polycystic ovary syndrome. *Fertil Steril.* 2009 Feb;91(2):500-8. Available from: PubMed; PMID 18304542
- Kjotrod SB, Carlsen SM, Rasmussen PE, Holst-Larsen T, Mellembakken J, Thurin-Kjellberg A, Haapaniemikouru K, Morin-Papunen L, Humaidan P, Sunde A, von During V. Use of metformin before and during assisted reproductive technology in non-obese young infertile women with polycystic ovary syndrome: a prospective, randomized, double-blind, multi-centre study. *Hum Reprod.* 2011 Aug;26(8):2045-53. Available from: PubMed; PMID 21606131
- Kocak I, Ustun C. Effects of metformin on insulin resistance, androgen concentration, ovulation and pregnancy rates in women with polycystic ovary syndrome following laparoscopic ovarian drilling. *J Obstet Gynaecol Res.* 2006 Jun;32(3):292-8. Available from: PubMed; PMID 16764619
- Kodaman PH, Duleba AJ. HMG-CoA reductase inhibitors: do they have potential in the treatment of polycystic ovary syndrome? *Drugs.* 2008;68(13):1771-85. Available from: PubMed; PMID 18729532
- Koiou E, Tziomalos K, Dinas K, Katsikis I, Kalaitzakis E, Delkos D, Kandaraki EA, Panidis D. The effect of weight loss and treatment with metformin on serum vaspin levels in women with polycystic ovary syndrome. *Endocr J.* 2011;58(4):237-46. Available from: PubMed; PMID 21325745
- Koiou E, Tziomalos K, Katsikis I, Kandaraki EA, Kalaitzakis E, Delkos D, Vosnakis C, Panidis D. Weight loss significantly reduces serum lipocalin-2 levels in overweight and obese women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Jan;28(1):20-4. Available from: PubMed; PMID 21756081
- Koivunen RM, Morin-Papunen LC, Ruokonen A, Tapanainen JS, Martikainen HK. Ovarian steroidogenic response to human chorionic gonadotrophin in obese women with polycystic ovary syndrome: effect of metformin. *Hum Reprod.* 2001 Dec;16(12):2546-51. Available from: PubMed; PMID 11726572
- Kolibianakis E, Zikopoulos K, Albano C, Camus M, Tournaye H, Van Steirteghem A, Devroey P. Reproductive outcome of polycystic ovarian syndrome patients treated with GnRH antagonists and recombinant FSH for IVF/ICSI. *Reprod Biomed Online.* 2003 Oct;7(3):313-8. Available from: PubMed; PMID 14653891
- Kolodziejczyk B, Duleba AJ, Spaczynski RZ, Pawelczyk L. Metformin therapy decreases hyperandrogenism and hyperinsulinemia in women with polycystic ovary syndrome. *Fertil Steril.* 2000 Jun;73(6):1149-54. Available from: PubMed; PMID 10856473
- Koo YA, Shin SY, Yoon BK, Choi D. Pioglitazone for treating polycystic ovary syndrome in non-obese women of reproductive age with different clinical presentations.

- Gynecol Endocrinol. 2007;23(8):461-7. Available from: PubMed; PMID 17852414
- Kos-Kudla B, Malecka-Mikosz O, Foltyn W, Ostrowska Z, Kudla M, Mazur B. Plasma ghrelin concentrations in patients with polycystic ovary syndrome before and after 6months therapy: correlation with androgen levels. *Neuro Endocrinol Lett.* 2006 Dec;27(6):763-7. Available from: PubMed; PMID 17187005
- Kostev K, Richter H. Unlicensed use of metformin in children and adolescents in Germany and France. *Br J Clin Pharmacol.* 2012 Feb;73(2):307-8. Available from: PubMed; PMID 22023105
- Kosus A, Kosus N, Duran M, Turhan NO. Does assisted reproductive technology itself or polycystic ovary syndrome as a cause of infertility have any effect on first trimester serum screening results? *J Reprod Med.* 2012 Mar-Apr;57(3-4):129-35. Available from: PubMed; PMID 22523872
- Kotsa K, Yavropoulou MP, Anastasiou O, Yovos JG. Role of vitamin D treatment in glucose metabolism in polycystic ovary syndrome. *Fertil Steril.* 2009 Sep;92(3):1053-8. Available from: PubMed; PMID 18930208
- Kowalska I, Kinalski M, Straczkowski M, Wolczynski S, Kinalska I. Insulin, leptin, IGF-I and insulin-dependent protein concentrations after insulin-sensitizing therapy in obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2001 May;144(5):509-15. Available from: PubMed; PMID 11331217
- Krotkiewski M, Landin K, Dahlgren E, Janson PO, Holm G. Effect of two modes of antiandrogen treatment on insulin sensitivity and serum leptin in women with PCOS. *Gynecol Obstet Invest.* 2003;55(2):88-95. Available from: PubMed; PMID 12771455
- Krstevska B, Dimitrovski C, Pemovska G, Misevska S, Dimova Z, Simeonova S, Ahmeti I. Metformin improves menstrual patterns, endocrine and metabolic profile in obese hyperinsulinemic women with a polycystic ovary syndrome. *Prilozi.* 2006 Jul;27(1):57-66. Available from: PubMed; PMID 16862066
- Kuchenbecker WK, Groen H, van Asselt SJ, Bolster JH, Zwerver J, Slart RH, Vd Jagt EJ, Muller Kobold AC, Wolffenbittel BH, Land JA, Hoek A. In women with polycystic ovary syndrome and obesity, loss of intra-abdominal fat is associated with resumption of ovulation. *Hum Reprod.* 2011 Sep;26(9):2505-12. Available from: PubMed; PMID 21771766
- Kucuk M, Kilic-Okman T. Hormone profiles and clinical outcome after laparoscopic ovarian drilling in women with polycystic ovary syndrome. *Med Sci Monit.* 2005 Jan;11(1):CR29-34. Available from: PubMed; PMID 15614192
- Kumar HK. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovarian syndrome. *Saudi Med J.* 2008 Apr;29(4):625. Available from: PubMed; PMID 18382816
- Kumari AS, Haq A, Jayasundaram R, Abdel-Wareth LO, Al Haija SA, Alvares M. Metformin monotherapy in lean women with polycystic ovary syndrome. *Reprod Biomed Online.* 2005 Jan;10(1):100-4. Available from: PubMed; PMID 15705302
- Kumbak B, Kahraman S. Efficacy of metformin supplementation during ovarian stimulation of lean PCOS patients undergoing in vitro fertilization. *Acta Obstet Gynecol Scand.* 2009;88(5):563-8. Available from: PubMed; PMID 19306135
- Kurdoglu Z, Ozkol H, Tuluca Y, Koyuncu I. Oxidative status and its relation with insulin resistance in young non-obese women with polycystic ovary syndrome. *J Endocrinol Invest.* 2012 Mar;35(3):317-21. Available from: PubMed; PMID 21521935
- Kurioka H, Takahashi K, Miyazaki K. Glucose intolerance in Japanese patients with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2007 Mar;275(3):169-73. Available from: PubMed; PMID 16972071
- Kurzawa R, Ciepela P, Baczkowski T, Safranow K, Brelik P. Comparison of embryological and clinical outcome in GnRH antagonist vs. GnRH agonist protocols for in vitro fertilization in PCOS non-obese patients. A prospective randomized study. *J Assist Reprod Genet.* 2008 Aug;25(8):365-74. Available from: PubMed; PMID 18802744
- la Marca A, Egbe TO, Morgante G, Paglia T, Cianci A, De Leo V. Metformin treatment reduces ovarian cytochrome P-450c17alpha response to human chorionic gonadotrophin in women with insulin resistance-related polycystic ovary syndrome. *Hum Reprod.* 2000 Jan;15(1):21-3. Available from: PubMed; PMID 10611182
- La Marca A, Artensio AC, Stabile G, Volpe A. Metformin treatment of PCOS during adolescence and the reproductive period. *Eur J Obstet Gynecol Reprod Biol.* 2005 Jul 1;121(1):3-7. Available from: PubMed; PMID 15941616
- Lagace DC, Nachtigal MW. Valproic acid fails to induce polycystic ovary syndrome in female rats. *Prog Neuropsychopharmacol Biol Psychiatry.* 2003 Jun;27(4):587-94. Available from: PubMed; PMID 12787843
- Lam PM, Tam WH, Ma RC, Cheung LP, Tsui MH, Tong PC, Chow FC, Lam CW, Chan MH, Chan JC, Haines CJ. The reproductive and metabolic effect of rosiglitazone on Chinese women with polycystic ovarian syndrome--a double-blind randomized placebo-controlled study. *Fertil Steril.* 2011 Aug;96(2):445-51 e1. Available from: PubMed; PMID 21722894

Lan VT, Norman RJ, Nhu GH, Tuan PH, Tuong HM. Ovulation induction using low-dose step-up rFSH in Vietnamese women with polycystic ovary syndrome. *Reprod Biomed Online*. 2009 Apr;18(4):516-21. Available from: PubMed; PMID 19400993

Lanham MS, Lebovic DI, Domino SE. Contemporary medical therapy for polycystic ovary syndrome. *Int J Gynaecol Obstet*. 2006 Dec;95(3):236-41. Available from: PubMed; PMID 17010975

Lansdown A, Rees DA. The sympathetic nervous system in polycystic ovary syndrome: a novel therapeutic target? *Clin Endocrinol (Oxf)*. 2012 Dec;77(6):791-801. Available from: PubMed; PMID 22882204

Lass A. Recombinant FSH in alternative doses or versus urinary gonadotrophins for ovulation induction in subfertility associated with polycystic ovary syndrome. *Hum Reprod*. 2004 Jan;19(1):217-8; author reply 8. Available from: PubMed; PMID 14688189

Lass N, Kleber M, Winkel K, Wunsch R, Reinehr T. Effect of lifestyle intervention on features of polycystic ovarian syndrome, metabolic syndrome, and intima-media thickness in obese adolescent girls. *J Clin Endocrinol Metab*. 2011 Nov;96(11):3533-40. Available from: PubMed; PMID 21880803

Laven JS, Imani B, Eijkemans MJ, de Jong FH, Fauser BC. Absent biologically relevant associations between serum inhibin B concentrations and characteristics of polycystic ovary syndrome in normogonadotrophic anovulatory infertility. *Hum Reprod*. 2001 Jul;16(7):1359-64. Available from: PubMed; PMID 11425813

Laven JS, Imani B, Eijkemans MJ, Fauser BC. New approach to polycystic ovary syndrome and other forms of anovulatory infertility. *Obstet Gynecol Surv*. 2002 Nov;57(11):755-67. Available from: PubMed; PMID 12447098

Lazaro I, Diaz M, Cabre A, Masana L, Ibanez L. Fatty acid-binding protein-4 plasma levels are associated to metabolic abnormalities and response to therapy in girls and young women with androgen excess. *Gynecol Endocrinol*. 2011 Nov;27(11):935-9. Available from: PubMed; PMID 21605000

LaZovic G, Radivojevic U, Milicevic S, Spremovic S. Influence of adiposity on leptin, LH and androgen levels in lean, overweight and obese PCOS patients. *Int J Fertil Womens Med*. 2007 Mar-Jun;52(2-3):82-8. Available from: PubMed; PMID 18320865

Lebinger TG. Metformin and polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2007 Apr;14(2):132-40. Available from: PubMed; PMID 17940431

Ledger W. What to do about the polycystic ovary 'epidemic'. *Curr Opin Obstet Gynecol*. 2002 Jun;14(3):293-4. Available from: PubMed; PMID 12032385

Lee JW, Im JA, Lee DC, Lee HR, Shim JY. Retinol-binding protein in nonobese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2008 May;68(5):786-90. Available from: PubMed; PMID 17986278

Lee HJ, Ku SY, Kim SH, Choi YM, Kim JG, Moon SY. A comparative study on the impact of fresh variables on the success of frozen-thawed embryo transfer cycles using 2PN sibling embryos in women with/without polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 May;28(5):351-5. Available from: PubMed; PMID 22103769

Leeman L, Acharya U. The use of metformin in the management of polycystic ovary syndrome and associated anovulatory infertility: the current evidence. *J Obstet Gynaecol*. 2009 Aug;29(6):467-72. Available from: PubMed; PMID 19697191

Legro RS. Detection of insulin resistance and its treatment in adolescents with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2002 Dec;15 Suppl 5:1367-78. Available from: PubMed; PMID 12510993

Legro RS. Polycystic ovary syndrome. Long term sequelae and management. *Minerva Ginecol*. 2002 Apr;54(2):97-114. Available from: PubMed; PMID 12032449

Legro RS, Azziz R, Ehrmann D, Fereshetian AG, O'Keefe M, Ghazzi MN. Minimal response of circulating lipids in women with polycystic ovary syndrome to improvement in insulin sensitivity with troglitazone. *J Clin Endocrinol Metab*. 2003 Nov;88(11):5137-44. Available from: PubMed; PMID 14602740

Legro RS. Long-term, low-dose flutamide does not cause hepatotoxicity in hyperandrogenic women. *Nat Clin Pract Endocrinol Metab*. 2006 Apr;2(4):188-9. Available from: PubMed; PMID 16932279

Legro RS, Myers ER, Barnhart HX, Carson SA, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, McGovern PG, Cataldo NA, Steinkampf MP, Nestler JE, Gosman G, Guidice LC, Leppert PC. The Pregnancy in Polycystic Ovary Syndrome study: baseline characteristics of the randomized cohort including racial effects. *Fertil Steril*. 2006 Oct;86(4):914-33. Available from: PubMed; PMID 16963034

Legro RS, Barnhart HX, Schlaff WD, Carr BR, Diamond MP, Carson SA, Steinkampf MP, Coutifaris C, McGovern PG, Cataldo NA, Gosman GG, Nestler JE, Giudice LC, Leppert PC, Myers ER. Clomiphene, metformin, or both for infertility in the polycystic ovary syndrome. *N Engl J Med*. 2007 Feb 8;356(6):551-66. Available from: PubMed; PMID 17287476

Legro RS, Zaino RJ, Demers LM, Kunselman AR, Gnatuk CL, Williams NI, Dodson WC. The effects of metformin

and rosiglitazone, alone and in combination, on the ovary and endometrium in polycystic ovary syndrome. *Am J Obstet Gynecol.* 2007 Apr;196(4):402 e1-10; discussion e10-1. Available from: PubMed; PMID 17403436

Legro RS. Impact of metformin, oral contraceptives, and lifestyle modification on polycystic ovary syndrome in obese adolescent women: do we need a new drug? *J Clin Endocrinol Metab.* 2008 Nov;93(11):4218-20. Available from: PubMed; PMID 18987279

Legro RS. Metformin as adjuvant therapy to IVF in women with PCOS: when is intention-to-treat unintentional? *Hum Reprod.* 2011 Aug;26(8):2043-4. Available from: PubMed; PMID 21606132

Legro RS. Obesity and PCOS: Implications for Diagnosis and Treatment. *Semin Reprod Med.* 2012 Dec;30(6):496-506. Available from: PubMed; PMID 23074008

Legro RS, Kunselman AR, Brzyski RG, Casson PR, Diamond MP, Schlaff WD, Christman GM, Coutifaris C, Taylor HS, Eisenberg E, Santoro N, Zhang H. The Pregnancy in Polycystic Ovary Syndrome II (PPCOS II) trial: rationale and design of a double-blind randomized trial of clomiphene citrate and letrozole for the treatment of infertility in women with polycystic ovary syndrome. *Contemp Clin Trials.* 2012 May;33(3):470-81. Available from: PubMed; PMID 22265923

Lemay A, Dodin S, Turcot L, Dechene F, Forest JC. Rosiglitazone and ethinyl estradiol/cyproterone acetate as single and combined treatment of overweight women with polycystic ovary syndrome and insulin resistance. *Hum Reprod.* 2006 Jan;21(1):121-8. Available from: PubMed; PMID 16199428

Lewandowski KC, Cajdler-Luba A, Salata I, Bienkiewicz M, Lewinski A. The utility of the gonadotrophin releasing hormone (GnRH) test in the diagnosis of polycystic ovary syndrome (PCOS). *Endokrynol Pol.* 2011;62(2):120-8. Available from: PubMed; PMID 21528473

Li Q, Huang DM, Lu FE, Xie Y, Xu LJ, Zou X, Gong D, Wang ZS. Effects of Bushen Tongmai Recipe on protein kinase Balpha expression in polycystic ovary rats with insulin resistance. *Chin J Integr Med.* 2010 Aug;16(4):324-30. Available from: PubMed; PMID 20697943

Li C, Cheng J, Wang J, Xue Y, Huang Z, Zhang S, Lv J. Prognostic value of total testosterone for pregnancy during treatment in patients with clomiphene-citrate-resistant polycystic ovary syndrome: a pilot study. *Arch Gynecol Obstet.* 2011 Sep;284(3):757-64. Available from: PubMed; PMID 21614496

Li S, He A, Yang J, Yin T, Xu W. A logistic regression analysis of factors related to the treatment compliance of infertile patients with polycystic ovary syndrome. *J Reprod Med.* 2011 Jul-Aug;56(7-8):325-32. Available from: PubMed; PMID 21838163

Li XJ, Yu YX, Liu CQ, Zhang W, Zhang HJ, Yan B, Wang LY, Yang SY, Zhang SH. Metformin vs thiazolidinediones for treatment of clinical, hormonal and metabolic characteristics of polycystic ovary syndrome: a meta-analysis. *Clin Endocrinol (Oxf).* 2011 Mar;74(3):332-9. Available from: PubMed; PMID 21050251

Li L, Chen X, He Z, Zhao X, Huang L, Yang D. Clinical and Metabolic Features of Polycystic Ovary Syndrome among Chinese Adolescents. *J Pediatr Adolesc Gynecol.* 2012 Oct 19. Available from: PubMed; PMID 23089573

Liao CC, Lin SY, Lin HW, Chen KH, Chang LH, Chen ST, Wang J. Menstrual abnormalities in a woman with ACTH-dependent pituitary macroadenoma mimicking polycystic ovary syndrome. *Taiwan J Obstet Gynecol.* 2006 Jun;45(2):176-9. Available from: PubMed; PMID 17197364

Liao LM, Nestic J, Chadwick PM, Brooke-Wavell K, Prelevic GM. Exercise and body image distress in overweight and obese women with polycystic ovary syndrome: a pilot investigation. *Gynecol Endocrinol.* 2008 Oct;24(10):555-61. Available from: PubMed; PMID 19012098

Liao L, Tian YJ, Zhao JJ, Xin Y, Xing HY, Dong JJ. Metformin versus metformin plus rosiglitazone in women with polycystic ovary syndrome. *Chin Med J (Engl).* 2011 Mar;124(5):714-8. Available from: PubMed; PMID 21518564

Liberty G, Hyman JH, Eldar-Geva T, Latinsky B, Gal M, Margalioth EJ. Ovarian hemorrhage after transvaginal ultrasonographically guided oocyte aspiration: a potentially catastrophic and not so rare complication among lean patients with polycystic ovary syndrome. *Fertil Steril.* 2010 Feb;93(3):874-9. Available from: PubMed; PMID 19064264

Lidor AL, Goldenberg M, Cohen SB, Seidman DS, Mashiach S, Rabinovici J. Management of women with polycystic ovary syndrome who experienced premature luteinization during clomiphene citrate treatment. *Fertil Steril.* 2000 Oct;74(4):749-52. Available from: PubMed; PMID 11020518

Liepa GU, Sengupta A, Karsies D. Polycystic ovary syndrome (PCOS) and other androgen excess-related conditions: can changes in dietary intake make a difference? *Nutr Clin Pract.* 2008 Feb;23(1):63-71. Available from: PubMed; PMID 18203965

Lim SS, Clifton PM, Noakes M, Norman RJ. Obesity management in women with polycystic ovary syndrome. *Womens Health (Lond Engl).* 2007 Jan;3(1):73-86. Available from: PubMed; PMID 19803867

Lindholm A, Bixo M, Bjorn I, Wolner-Hanssen P, Eliasson M, Larsson A, Johnson O, Poromaa IS. Effect of sibutramine on weight reduction in women with polycystic ovary syndrome: a randomized, double-blind, placebo-

- controlled trial. *Fertil Steril*. 2008 May;89(5):1221-8. Available from: PubMed; PMID 17603048
- Liu KE, Tataryn IV, Sagle M. Use of metformin for ovulation induction in women who have polycystic ovary syndrome with or without evidence of insulin resistance. *J Obstet Gynaecol Can*. 2006 Jul;28(7):595-9. Available from: PubMed; PMID 16916482
- Livadas S, Boutzios G, Economou F, Alexandraki K, Xyrafis X, Christou M, Zerva A, Karachalios A, Tantalaki E, Diamanti-Kandarakis E. The effect of oral micronized progesterone on hormonal and metabolic parameters in anovulatory patients with polycystic ovary syndrome. *Fertil Steril*. 2010 Jun;94(1):242-6. Available from: PubMed; PMID 19409554
- Lord J, Wilkin T. Polycystic ovary syndrome and fat distribution: the central issue? *Hum Fertil (Camb)*. 2002 May;5(2):67-71. Available from: PubMed; PMID 12082210
- Lord JM, Flight IH, Norman RJ. Insulin-sensitising drugs (metformin, troglitazone, rosiglitazone, pioglitazone, D-chiro-inositol) for polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2003 (3):CD003053. Available from: PubMed; PMID 12917943
- Lord J, Wilkin T. Metformin in polycystic ovary syndrome. *Curr Opin Obstet Gynecol*. 2004 Dec;16(6):481-6. Available from: PubMed; PMID 15534444
- Lord J, Thomas R, Fox B, Acharya U, Wilkin T. The effect of metformin on fat distribution and the metabolic syndrome in women with polycystic ovary syndrome--a randomised, double-blind, placebo-controlled trial. *BJOG*. 2006 Jul;113(7):817-24. Available from: PubMed; PMID 16827766
- Lord JM, Norman R. Obesity, polycystic ovary syndrome, infertility treatment: lifestyle modification is paramount. *BMJ*. 2006 Mar 11;332(7541):609. Available from: PubMed; PMID 16528093
- Loucks TL, Talbott EO, McHugh KP, Keelan M, Berga SL, Guzick DS. Do polycystic-appearing ovaries affect the risk of cardiovascular disease among women with polycystic ovary syndrome? *Fertil Steril*. 2000 Sep;74(3):547-52. Available from: PubMed; PMID 10973653
- Loverro G, Vicino M, Lorusso F, Vimercati A, Greco P, Selvaggi L. Polycystic ovary syndrome: relationship between insulin sensitivity, sex hormone levels and ovarian stromal blood flow. *Gynecol Endocrinol*. 2001 Apr;15(2):142-9. Available from: PubMed; PMID 11379011
- Loverro G, Lorusso F, De Pergola G, Nicolardi V, Mei L, Selvaggi L. Clinical and endocrinological effects of 6 months of metformin treatment in young hyperinsulinemic patients affected by polycystic ovary syndrome. *Gynecol Endocrinol*. 2002 Jun;16(3):217-24. Available from: PubMed; PMID 12192894
- Lowenstein EJ. Diagnosis and management of the dermatologic manifestations of the polycystic ovary syndrome. *Dermatol Ther*. 2006 Jul-Aug;19(4):210-23. Available from: PubMed; PMID 17004997
- Lu XE, Huang HF, Li MG, Zhu YM, Qiang YL, Dong MY. Resistin levels of serum and follicular fluid in non-obese patients with polycystic ovary syndrome during IVF cycles. *J Zhejiang Univ Sci B*. 2005 Sep;6(9):897-902. Available from: PubMed; PMID 16130192
- Luboshitzky R, Ishai A, Shen-Or Z, Herer P. Evaluation of the pituitary-adrenal axis in hyperandrogenic women with polycystic ovary syndrome. *Neuro Endocrinol Lett*. 2003 Jun-Aug;24(3-4):249-54. Available from: PubMed; PMID 14523365
- Lucidi RS, Thyer AC, Easton CA, Holden AE, Schenken RS, Brzyski RG. Effect of chromium supplementation on insulin resistance and ovarian and menstrual cyclicality in women with polycystic ovary syndrome. *Fertil Steril*. 2005 Dec;84(6):1755-7. Available from: PubMed; PMID 16359984
- Luef G, Abraham I, Trinkla E, Alge A, Windisch J, Daxenbichler G, Unterberger I, Seppi K, Lechleitner M, Kramer G, Bauer G. Hyperandrogenism, postprandial hyperinsulinism and the risk of PCOS in a cross sectional study of women with epilepsy treated with valproate. *Epilepsy Res*. 2002 Jan;48(1-2):91-102. Available from: PubMed; PMID 11823113
- Lujan ME, Podolski AJ, Chizen DR, Lehotay DC, Pierson RA. Digit ratios by computer-assisted analysis confirm lack of anatomical evidence of prenatal androgen exposure in clinical phenotypes of polycystic ovary syndrome. *Reprod Biol Endocrinol*. 2010;8:156. Available from: PubMed; PMID 21189149
- Luque-Ramirez M, San Millan JL, Escobar-Morreale HF. Genomic variants in polycystic ovary syndrome. *Clin Chim Acta*. 2006 Apr;366(1-2):14-26. Available from: PubMed; PMID 16337616
- Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JJ, Martinez-Bermejo E, Lasuncion MA, Escobar-Morreale HF. Comparison of ethinyl-estradiol plus cyproterone acetate versus metformin effects on classic metabolic cardiovascular risk factors in women with the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jul;92(7):2453-61. Available from: PubMed; PMID 17426085
- Luque-Ramirez M, Alvarez-Blasco F, Botella-Carretero JJ, Sanchon R, San Millan JL, Escobar-Morreale HF. Increased body iron stores of obese women with polycystic ovary syndrome are a consequence of insulin resistance and hyperinsulinism and are not a result of reduced menstrual

losses. *Diabetes Care*. 2007 Sep;30(9):2309-13. Available from: PubMed; PMID 17536071

Luque-Ramirez M, Alvarez-Blasco F, Uriol Rivera MG, Escobar-Morreale HF. Serum uric acid concentration as non-classic cardiovascular risk factor in women with polycystic ovary syndrome: effect of treatment with ethinyl-estradiol plus cyproterone acetate versus metformin. *Hum Reprod*. 2008 Jul;23(7):1594-601. Available from: PubMed; PMID 18375410

Luque-Ramirez M, Alvarez-Blasco F, Escobar-Morreale HF. Antiandrogenic contraceptives increase serum adiponectin in obese polycystic ovary syndrome patients. *Obesity (Silver Spring)*. 2009 Jan;17(1):3-9. Available from: PubMed; PMID 18997670

Luque-Ramirez M, Mendieta-Azcona C, del Rey Sanchez JM, Maties M, Escobar-Morreale HF. Effects of an antiandrogenic oral contraceptive pill compared with metformin on blood coagulation tests and endothelial function in women with the polycystic ovary syndrome: influence of obesity and smoking. *Eur J Endocrinol*. 2009 Mar;160(3):469-80. Available from: PubMed; PMID 19139031

Luque-Ramirez M, Escobar-Morreale HF. Treatment of polycystic ovary syndrome (PCOS) with metformin ameliorates insulin resistance in parallel with the decrease of serum interleukin-6 concentrations. *Horm Metab Res*. 2010 Oct;42(11):815-20. Available from: PubMed; PMID 20730705

Lv L, Liu Y. Effect of rosiglitazone on endocrine, metabolism and ovulatory performance in patients with polycystic ovary syndrome and insulin resistance. *J Huazhong Univ Sci Technolog Med Sci*. 2004;24(5):480-2. Available from: PubMed; PMID 15641698

Lv L, Liu Y, Sun Y, Tan K. Effects of metformin combined with cyproterone acetate on clinical features, endocrine and metabolism of non-obese women with polycystic ovarian syndrome. *J Huazhong Univ Sci Technolog Med Sci*. 2005;25(2):194-7. Available from: PubMed; PMID 16116971

Lydic ML, McNurlan M, Bembo S, Mitchell L, Komaroff E, Gelato M. Chromium picolinate improves insulin sensitivity in obese subjects with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86(1):243-6. Available from: PubMed; PMID 16730719

Ma F, Qiao L, Yue H, Xie S, Zhou X, Jiang M, Zhang W, Qi J, Wang L, Xu K. Homeostasis model assessment-insulin resistance (HOMA-IR), a key role for assessing the ovulation function in polycystic ovary syndrome (PCOS) patients with insulin resistance. *Endocr J*. 2008 Oct;55(5):943-5. Available from: PubMed; PMID 18552461

Maciel GA, Soares Junior JM, Alves da Motta EL, Abi Haidar M, de Lima GR, Baracat EC. Nonobese women

with polycystic ovary syndrome respond better than obese women to treatment with metformin. *Fertil Steril*. 2004 Feb;81(2):355-60. Available from: PubMed; PMID 14967373

Mahde A, Shaker M, Al-Mashhadani Z. Study of Omentin1 and Other Adipokines and Hormones in PCOS Patients. *Oman Med J*. 2009 Apr;24(2):108-18. Available from: PubMed; PMID 22334855

Mai K, Bobbert T, Reinecke F, Andres J, Maser-Gluth C, Wudy SA, Mohlig M, Weickert MO, Hartmann MF, Schulte HM, Diederich S, Pfeiffer AF, Spranger J. Intravenous lipid and heparin infusion-induced elevation in free fatty acids and triglycerides modifies circulating androgen levels in women: a randomized, controlled trial. *J Clin Endocrinol Metab*. 2008 Oct;93(10):3900-6. Available from: PubMed; PMID 18664538

Maier PS, Mattiello SS, Lages L, Spritzer PM. 17-hydroxysteroid dehydrogenase type 5 gene polymorphism (-71A/G HSD17B5 SNP) and treatment with oral contraceptive pills in PCOS women without metabolic comorbidities. *Gynecol Endocrinol*. 2012 Aug;28(8):606-10. Available from: PubMed; PMID 22329763

Majuri A, Santaniemi M, Rautio K, Kunnari A, Vartiainen J, Ruokonen A, Kesaniemi YA, Tapanainen JS, Ukkola O, Morin-Papunen L. Rosiglitazone treatment increases plasma levels of adiponectin and decreases levels of resistin in overweight women with PCOS: a randomized placebo-controlled study. *Eur J Endocrinol*. 2007 Feb;156(2):263-9. Available from: PubMed; PMID 17287417

Malkawi HY, Qublan HS. Laparoscopic ovarian drilling in the treatment of polycystic ovary syndrome: how many punctures per ovary are needed to improve the reproductive outcome? *J Obstet Gynaecol Res*. 2005 Apr;31(2):115-9. Available from: PubMed; PMID 15771636

Manneras L, Cajander S, Holmang A, Seleskovic Z, Lystig T, Lonn M, Stener-Victorin E. A new rat model exhibiting both ovarian and metabolic characteristics of polycystic ovary syndrome. *Endocrinology*. 2007 Aug;148(8):3781-91. Available from: PubMed; PMID 17495003

Manneras L, Jonsdottir IH, Holmang A, Lonn M, Stener-Victorin E. Low-frequency electro-acupuncture and physical exercise improve metabolic disturbances and modulate gene expression in adipose tissue in rats with dihydrotestosterone-induced polycystic ovary syndrome. *Endocrinology*. 2008 Jul;149(7):3559-68. Available from: PubMed; PMID 18388196

Manneras L, Cajander S, Lonn M, Stener-Victorin E. Acupuncture and exercise restore adipose tissue expression of sympathetic markers and improve ovarian morphology in rats with dihydrotestosterone-induced PCOS. *Am J Physiol Regul Integr Comp Physiol*. 2009 Apr;296(4):R1124-31. Available from: PubMed; PMID 19158405

- Manneras L, Fazliana M, Wan Nazaimoon WM, Lonn M, Gu HF, Ostenson CG, Stener-Victorin E. Beneficial metabolic effects of the Malaysian herb *Labisia pumila* var. *alata* in a rat model of polycystic ovary syndrome. *J Ethnopharmacol*. 2010 Feb 3;127(2):346-51. Available from: PubMed; PMID 19883744
- Marciniak A, Nawrocka-Rutkowska J, Brodowska A, Sienkiewicz R, Szydłowska I, Starczewski A. Leptin concentrations in patients with polycystic ovary syndrome before and after met-formin treatment depending on insulin resistance, body mass index and androgen concentrations--introductory report. *Folia Histochem Cytobiol*. 2009;47(2):323-8. Available from: PubMed; PMID 19995720
- Mario FM, do Amarante F, Toscani MK, Spritzer PM. Lean Muscle Mass in Classic or Ovulatory PCOS: Association with Central Obesity and Insulin Resistance. *Exp Clin Endocrinol Diabetes*. 2012 Oct;120(9):511-6. Available from: PubMed; PMID 22576259
- Marouliss GB, Triantafyllidis IK. Polycystic ovarian disease: the adrenal connection. *Pediatr Endocrinol Rev*. 2006 Jan;3 Suppl 1:205-7. Available from: PubMed; PMID 16641861
- Marsh KA, Steinbeck KS, Atkinson FS, Petocz P, Brand-Miller JC. Effect of a low glycemic index compared with a conventional healthy diet on polycystic ovary syndrome. *Am J Clin Nutr*. 2010 Jul;92(1):83-92. Available from: PubMed; PMID 20484445
- Marshall JC, Dunaif A. Should all women with PCOS be treated for insulin resistance? *Fertil Steril*. 2012 Jan;97(1):18-22. Available from: PubMed; PMID 22192137
- Martinez-Bermejo E, Luque-Ramirez M, Escobar-Morreale HF. Obesity and the polycystic ovary syndrome. *Minerva Endocrinol*. 2007 Sep;32(3):129-40. Available from: PubMed; PMID 17912153
- Martinez-Guisasola J, Guerrero M, Alonso F, Diaz F, Cordero J, Ferrer J. Plasma beta-endorphin levels in obese and non-obese patients with polycystic ovary disease. *Gynecol Endocrinol*. 2001 Feb;15(1):14-22. Available from: PubMed; PMID 11293919
- Martins WP, Nastro CO, Reis RM, Ferriani RA. Endometrial preparation for in vitro maturation treatment. *Fertil Steril*. 2010 Jan;93(1):e6; author reply e7. Available from: PubMed; PMID 20004372
- Martins Wde P, dos Reis RM, Ferriani RA, de Araujo CH, Nastro CO, Filho FM. Endometrial preparation for in vitro oocyte maturation: early use of estrogen increases endometrial tissue and requires lower daily dosage: a cross over trial in 'mock' cycles. *J Assist Reprod Genet*. 2006 May;23(5):241-6. Available from: PubMed; PMID 16710750
- Mason H, Colao A, Blume-Peytavi U, Rice S, Qureshi A, Pellatt L, Orio F, Atkin SL. Polycystic ovary syndrome (PCOS) trilogy: a translational and clinical review. *Clin Endocrinol (Oxf)*. 2008 Dec;69(6):831-44. Available from: PubMed; PMID 18616705
- Mastorakos G, Koliopoulos C, Creatsas G. Androgen and lipid profiles in adolescents with polycystic ovary syndrome who were treated with two forms of combined oral contraceptives. *Fertil Steril*. 2002 May;77(5):919-27. Available from: PubMed; PMID 12009344
- Matalliotakis I, Kourtis A, Koukoura O, Panidis D. Polycystic ovary syndrome: etiology and pathogenesis. *Arch Gynecol Obstet*. 2006 Jul;274(4):187-97. Available from: PubMed; PMID 16685527
- Mathur R, Alexander CJ, Yano J, Trivax B, Azziz R. Use of metformin in polycystic ovary syndrome. *Am J Obstet Gynecol*. 2008 Dec;199(6):596-609. Available from: PubMed; PMID 19084097
- Mattle V, Bilgicildirim A, Hadziomerovic D, Ott HW, Zervomanolakis I, Leyendecker G, Wildt L. Polycystic ovarian disease unmasked by pulsatile GnRH therapy in a subgroup of women with hypothalamic amenorrhea. *Fertil Steril*. 2008 Feb;89(2):404-9. Available from: PubMed; PMID 17583701
- Mavropoulos JC, Yancy WS, Hepburn J, Westman EC. The effects of a low-carbohydrate, ketogenic diet on the polycystic ovary syndrome: a pilot study. *Nutr Metab (Lond)*. 2005;2:35. Available from: PubMed; PMID 16359551
- McFarland C. Treating polycystic ovary syndrome and infertility. *MCN Am J Matern Child Nurs*. 2012 Mar-Apr;37(2):116-21. Available from: PubMed; PMID 22357073
- McGee WK, Bishop CV, Bahar A, Pohl CR, Chang RJ, Marshall JC, Pau FK, Stouffer RL, Cameron JL. Elevated androgens during puberty in female rhesus monkeys lead to increased neuronal drive to the reproductive axis: a possible component of polycystic ovary syndrome. *Hum Reprod*. 2012 Feb;27(2):531-40. Available from: PubMed; PMID 22114112
- McGovern PG, Carson SA, Barnhart HX, Myers ER, Legro RS, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, Cataldo NA, Steinkampf MP, Nestler JE, Gosman G, Leppert PC, Giudice LC. Medication adherence and treatment success in the National Institute of Child Health and Human Development-Reproductive Medicine Network's Pregnancy in Polycystic Ovary Syndrome Trial. *Fertil Steril*. 2008 Oct;90(4):1283-6. Available from: PubMed; PMID 18082737
- McKittrick M. Diet and Polycystic Ovary Syndrome. *Nutr Today*. 2002 Mar-Apr;37(2):63-9. Available from: PubMed; PMID 11984435



- Mehrabani HH, Salehpour S, Amiri Z, Farahani SJ, Meyer BJ, Tahbaz F. Beneficial effects of a high-protein, low-glycemic-load hypocaloric diet in overweight and obese women with polycystic ovary syndrome: a randomized controlled intervention study. *J Am Coll Nutr.* 2012 Apr;31(2):117-25. Available from: PubMed; PMID 22855917
- Mehrabian F, Essaei F. The laparoscopic ovarian electrocautery versus gonadotropin therapy in infertile women with clomiphene citrate-resistant polycystic ovary syndrome; a randomized controlled trial. *J Pak Med Assoc.* 2012 Mar;62(3 Suppl 2):S42-4. Available from: PubMed; PMID 22768457
- Mehta RV, Malcom PJ, Chang RJ. The effect of androgen blockade on granulosa cell estradiol production after follicle-stimulating hormone stimulation in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2006 Sep;91(9):3503-6. Available from: PubMed; PMID 16804036
- Mercorio F, Mercorio A, Di Spiezio Sardo A, Barba GV, Pellicano M, Nappi C. Evaluation of ovarian adhesion formation after laparoscopic ovarian drilling by second-look minilaparoscopy. *Fertil Steril.* 2008 May;89(5):1229-33. Available from: PubMed; PMID 17681339
- Meyer C, Talbot M, Teede H. Effect of Implanon on insulin resistance in women with Polycystic Ovary Syndrome. *Aust N Z J Obstet Gynaecol.* 2005 Apr;45(2):155-8. Available from: PubMed; PMID 15760320
- Meyer C, McGrath BP, Teede HJ. Effects of medical therapy on insulin resistance and the cardiovascular system in polycystic ovary syndrome. *Diabetes Care.* 2007 Mar;30(3):471-8. Available from: PubMed; PMID 17327307
- Miao ZL, Guo L, Wang YX, Cui R, Yang N, Huang MQ, Qin WB, Chen J, Li HM, Wang ZN, Wei XC. The intervention effect of Rosiglitazone in ovarian fibrosis of PCOS rats. *Biomed Environ Sci.* 2012 Feb;25(1):46-52. Available from: PubMed; PMID 22424626
- Micic D, Sumarac-Dumanovic M, Macut D, Kendereski A, Zoric S, Popovic V, Cvijovic G, Dieguez C, Casanueva FF. Growth-hormone response to combined stimulation with GHRH plus GH-releasing peptide-6 in obese patients with polycystic ovary syndrome before and after short-term fasting. *J Endocrinol Invest.* 2003 Apr;26(4):333-40. Available from: PubMed; PMID 12841541
- Micic D, Sumarac-Dumanovic M, Kendereski A, Cvijovic G, Zoric S, Pejkoic D, Micic J, Milic N, Dieguez C, Casanueva FF. Total ghrelin levels during acute insulin infusion in patients with polycystic ovary syndrome. *J Endocrinol Invest.* 2007 Nov;30(10):820-7. Available from: PubMed; PMID 18075283
- Minozzi M, Costantino D, Guaraldi C, Unfer V. The effect of a combination therapy with myo-inositol and a combined oral contraceptive pill versus a combined oral contraceptive pill alone on metabolic, endocrine, and clinical parameters in polycystic ovary syndrome. *Gynecol Endocrinol.* 2011 Nov;27(11):920-4. Available from: PubMed; PMID 21417594
- Misso ML, Costello MF, Garrubba M, Wong J, Hart R, Rombauts L, Melder AM, Norman RJ, Teede HJ. Metformin versus clomiphene citrate for infertility in non-obese women with polycystic ovary syndrome: a systematic review and meta-analysis. *Hum Reprod Update.* 2012 Sep 6. Available from: PubMed; PMID 22956412
- Misso ML, Teede HJ, Hart R, Wong J, Rombauts L, Melder AM, Norman RJ, Costello MF. Status of clomiphene citrate and metformin for infertility in PCOS. *Trends Endocrinol Metab.* 2012 Oct;23(10):533-43. Available from: PubMed; PMID 22939889
- Mitkov M, Pehlivanov B, Terzieva D. Metformin versus rosiglitazone in the treatment of polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2006 May 1;126(1):93-8. Available from: PubMed; PMID 16360262
- Mitkov M, Pehlivanov B, Orbetzova M. Serum ghrelin level in women with polycystic ovary syndrome and its relationship with endocrine and metabolic parameters. *Gynecol Endocrinol.* 2008 Nov;24(11):625-30. Available from: PubMed; PMID 19031219
- Moggetti P, Castello R, Negri C, Tosi F, Perrone F, Caputo M, Zanolin E, Muggeo M. Metformin effects on clinical features, endocrine and metabolic profiles, and insulin sensitivity in polycystic ovary syndrome: a randomized, double-blind, placebo-controlled 6-month trial, followed by open, long-term clinical evaluation. *J Clin Endocrinol Metab.* 2000 Jan;85(1):139-46. Available from: PubMed; PMID 10634377
- Moggetti P. Use of antiandrogens as therapy for women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S30-1. Available from: PubMed; PMID 16798285
- Mohlig M, Weickert MO, Ghadamgadai E, Machlitt A, Pfuller B, Arafat AM, Pfeiffer AF, Schofl C. Adipocyte fatty acid-binding protein is associated with markers of obesity, but is an unlikely link between obesity, insulin resistance, and hyperandrogenism in polycystic ovary syndrome women. *Eur J Endocrinol.* 2007 Aug;157(2):195-200. Available from: PubMed; PMID 17656598
- Mohsen IA. A randomized controlled trial of the effect of rosiglitazone and clomiphene citrate versus clomiphene citrate alone in overweight/obese women with polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Apr;28(4):269-72. Available from: PubMed; PMID 21970545
- Moll E, Korevaar JC, Bossuyt PM, van der Veen F. Does adding metformin to clomifene citrate lead to higher pregnancy rates in a subset of women with polycystic ovary

syndrome? *Hum Reprod.* 2008 Aug;23(8):1830-4. Available from: PubMed; PMID 18487613

Moncayo R, Moncayo H. Inadequate description of an acupuncture treatment study for polycystic ovaries. *Fertil Steril.* 2012 May;97(5):e20; author reply e1. Available from: PubMed; PMID 22445321

Montville CP, Khabbaz M, Aubuchon M, Williams DB, Thomas MA. Luteal support with intravaginal progesterone increases clinical pregnancy rates in women with polycystic ovary syndrome using letrozole for ovulation induction. *Fertil Steril.* 2010 Jul;94(2):678-83. Available from: PubMed; PMID 19515366

Mor E, Zograbyan A, Saadat P, Bayrak A, Tourgeman DE, Zhang C, Stanczyk FZ, Paulson RJ. The insulin resistant subphenotype of polycystic ovary syndrome: clinical parameters and pathogenesis. *Am J Obstet Gynecol.* 2004 Jun;190(6):1654-60. Available from: PubMed; PMID 15284763

Moran C, Garcia-Hernandez E, Barahona E, Gonzalez S, Bermudez JA. Relationship between insulin resistance and gonadotropin dissociation in obese and nonobese women with polycystic ovary syndrome. *Fertil Steril.* 2003 Dec;80(6):1466-72. Available from: PubMed; PMID 14667885

Moran LJ, Noakes M, Clifton PM, Tomlinson L, Galletly C, Norman RJ. Dietary composition in restoring reproductive and metabolic physiology in overweight women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Feb;88(2):812-9. Available from: PubMed; PMID 12574218

Moran L, Norman RJ. Understanding and managing disturbances in insulin metabolism and body weight in women with polycystic ovary syndrome. *Best Pract Res Clin Obstet Gynaecol.* 2004 Oct;18(5):719-36. Available from: PubMed; PMID 15380143

Moran LJ, Noakes M, Clifton PM, Wittert GA, Tomlinson L, Galletly C, Luscombe ND, Norman RJ. Ghrelin and measures of satiety are altered in polycystic ovary syndrome but not differentially affected by diet composition. *J Clin Endocrinol Metab.* 2004 Jul;89(7):3337-44. Available from: PubMed; PMID 15240612

Moran LJ, Noakes M, Clifton PM, Wittert GA, Williams G, Norman RJ. Short-term meal replacements followed by dietary macronutrient restriction enhance weight loss in polycystic ovary syndrome. *Am J Clin Nutr.* 2006 Jul;84(1):77-87. Available from: PubMed; PMID 16825684

Moran C, Renteria JL, Moran S, Herrera J, Gonzalez S, Bermudez JA. Obesity differentially affects serum levels of androstenedione and testosterone in polycystic ovary syndrome. *Fertil Steril.* 2008 Dec;90(6):2310-7. Available from: PubMed; PMID 18163993

Moran LJ, Brinkworth GD, Norman RJ. Dietary therapy in polycystic ovary syndrome. *Semin Reprod Med.* 2008 Jan;26(1):85-92. Available from: PubMed; PMID 18181086

Moran LJ, Pasquali R, Teede HJ, Hoeger KM, Norman RJ. Treatment of obesity in polycystic ovary syndrome: a position statement of the Androgen Excess and Polycystic Ovary Syndrome Society. *Fertil Steril.* 2009 Dec;92(6):1966-82. Available from: PubMed; PMID 19062007

Moran LJ, Lombard CB, Lim S, Noakes M, Teede HJ. Polycystic ovary syndrome and weight management. *Womens Health (Lond Engl).* 2010 Mar;6(2):271-83. Available from: PubMed; PMID 20187731

Moran LJ, Harrison CL, Hutchison SK, Stepto NK, Strauss BJ, Teede HJ. Exercise decreases anti-mullerian hormone in anovulatory overweight women with polycystic ovary syndrome: a pilot study. *Horm Metab Res.* 2011 Dec;43(13):977-9. Available from: PubMed; PMID 21989557

Moran LJ, Hutchison SK, Norman RJ, Teede HJ. Lifestyle changes in women with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2011 (7):CD007506. Available from: PubMed; PMID 21735412

Moran LJ, Hutchison SK, Norman RJ, Teede HJ. Lifestyle changes in women with polycystic ovary syndrome. *Cochrane Database Syst Rev.* 2011 (2):CD007506. Available from: PubMed; PMID 21328294

Morgante G, Orvieto R, Di Sabatino A, Musacchio MC, De Leo V. The role of inositol supplementation in patients with polycystic ovary syndrome, with insulin resistance, undergoing the low-dose gonadotropin ovulation induction regimen. *Fertil Steril.* 2011 Jun 30;95(8):2642-4. Available from: PubMed; PMID 21300338

Morin-Papunen LC, Vauhkonen I, Koivunen RM, Ruokonen A, Martikainen HK, Tapanainen JS. Endocrine and metabolic effects of metformin versus ethinyl estradiol-cyproterone acetate in obese women with polycystic ovary syndrome: a randomized study. *J Clin Endocrinol Metab.* 2000 Sep;85(9):3161-8. Available from: PubMed; PMID 10999803

Morin-Papunen L, Rautio K, Ruokonen A, Hedberg P, Puukka M, Tapanainen JS. Metformin reduces serum C-reactive protein levels in women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 Oct;88(10):4649-54. Available from: PubMed; PMID 14557435

Morin-Papunen L, Vauhkonen I, Koivunen R, Ruokonen A, Martikainen H, Tapanainen JS. Metformin versus ethinyl estradiol-cyproterone acetate in the treatment of nonobese women with polycystic ovary syndrome: a randomized study. *J Clin Endocrinol Metab.* 2003

- Jan;88(1):148-56. Available from: PubMed; PMID 12519844
- Morin-Papunen L, Rantala AS, Unkila-Kallio L, Tiitinen A, Hippelainen M, Perheentupa A, Tinkanen H, Bloigu R, Puukka K, Ruokonen A, Tapanainen JS. Metformin improves pregnancy and live-birth rates in women with polycystic ovary syndrome (PCOS): a multicenter, double-blind, placebo-controlled randomized trial. *J Clin Endocrinol Metab.* 2012 May;97(5):1492-500. Available from: PubMed; PMID 22419702
- Moro C, Pasarica M, Elkind-Hirsch K, Redman LM. Aerobic exercise training improves atrial natriuretic peptide and catecholamine-mediated lipolysis in obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Jul;94(7):2579-86. Available from: PubMed; PMID 19366845
- Morrell MJ, Hayes FJ, Sluss PM, Adams JM, Bhatt M, Ozkara C, Warnock CR, Isojarvi J. Hyperandrogenism, ovulatory dysfunction, and polycystic ovary syndrome with valproate versus lamotrigine. *Ann Neurol.* 2008 Aug;64(2):200-11. Available from: PubMed; PMID 18756476
- Morteza Taghavi S, Rokni H, Fatemi S. Metformin decreases thyrotropin in overweight women with polycystic ovarian syndrome and hypothyroidism. *Diab Vasc Dis Res.* 2011 Jan;8(1):47-8. Available from: PubMed; PMID 21262871
- Motta AB. Dehydroepiandrosterone to induce murine models for the study of polycystic ovary syndrome. *J Steroid Biochem Mol Biol.* 2010 Apr;119(3-5):105-11. Available from: PubMed; PMID 20188831
- Motta AB. The role of obesity in the development of polycystic ovary syndrome. *Curr Pharm Des.* 2012;18(17):2482-91. Available from: PubMed; PMID 22376149
- Mulders AG, Laven JS, Imani B, Eijkemans MJ, Fauser BC. IVF outcome in anovulatory infertility (WHO group 2)--including polycystic ovary syndrome--following previous unsuccessful ovulation induction. *Reprod Biomed Online.* 2003 Jul-Aug;7(1):50-8. Available from: PubMed; PMID 12930574
- Mulders AG, ten Kate-Booij M, Pal R, De Kruif M, Nekrui L, Oostra BA, Fauser BC, Laven JS. Influence of oral contraceptive pills on phenotype expression in women with polycystic ovary syndrome. *Reprod Biomed Online.* 2005 Dec;11(6):690-6. Available from: PubMed; PMID 16417732
- Murray R. Polycystic ovary syndrome, obesity and insulin resistance: the new female triad. *Adv Nurse Pract.* 2004 Aug;12(8):22-35; quiz 6. Available from: PubMed; PMID 15354503
- Myers ER, Silva SG, Hafley G, Kunselman AR, Nestler JE, Legro RS. Estimating live birth rates after ovulation induction in polycystic ovary syndrome: sample size calculations for the pregnancy in polycystic ovary syndrome trial. *Contemp Clin Trials.* 2005 Jun;26(3):271-80. Available from: PubMed; PMID 15911461
- Nader S, Diamanti-Kandarakis E. Polycystic ovary syndrome, oral contraceptives and metabolic issues: new perspectives and a unifying hypothesis. *Hum Reprod.* 2007 Feb;22(2):317-22. Available from: PubMed; PMID 17099212
- Nader S. Infertility and pregnancy in women with polycystic ovary syndrome. *Minerva Endocrinol.* 2010 Dec;35(4):211-25. Available from: PubMed; PMID 21178917
- Nader S. Reproductive endocrinology: live birth prediction in polycystic ovary syndrome. *Nat Rev Endocrinol.* 2010 Feb;6(2):64-6. Available from: PubMed; PMID 20098444
- Nahid L, Sirous K. Comparison of the effects of letrozole and clomiphene citrate for ovulation induction in infertile women with polycystic ovary syndrome. *Minerva Ginecol.* 2012 Jun;64(3):253-8. Available from: PubMed; PMID 22635021
- Nahuis MJ, Kose N, Bayram N, van Dessel HJ, Braat DD, Hamilton CJ, Hompes PG, Bossuyt PM, Mol BW, van der Veen F, van Wely M. Long-term outcomes in women with polycystic ovary syndrome initially randomized to receive laparoscopic electrocautery of the ovaries or ovulation induction with gonadotrophins. *Hum Reprod.* 2011 Jul;26(7):1899-904. Available from: PubMed; PMID 21576081
- Naka KK, Kalantaridou SN, Bechlioulis A, Kravariti M, Kazakos N, Katsouras CS, Tsatsoulis A, Michalis LK. Effect of ethinylestradiol/cyproterone acetate on endothelial function in young non-obese women with polycystic ovary syndrome: a pilot study. *Gynecol Endocrinol.* 2011 Sep;27(9):615-21. Available from: PubMed; PMID 21329419
- Nardo LG, Rai R. Metformin therapy in the management of polycystic ovary syndrome: endocrine, metabolic and reproductive effects. *Gynecol Endocrinol.* 2001 Oct;15(5):373-80. Available from: PubMed; PMID 11727360
- Nardo LG, Buckett WM, White D, Digesu AG, Franks S, Khullar V. Three-dimensional assessment of ultrasound features in women with clomiphene citrate-resistant polycystic ovarian syndrome (PCOS): ovarian stromal volume does not correlate with biochemical indices. *Hum Reprod.* 2002 Apr;17(4):1052-5. Available from: PubMed; PMID 11925404
- Nardo LG. Management of anovulatory infertility associated with polycystic ovary syndrome: tamoxifen citrate an effective alternative compound to clomiphene

- citrate. *Gynecol Endocrinol*. 2004 Nov;19(5):235-8. Available from: PubMed; PMID 15726910
- Narsing Rao L, Jacob JJ, Paul TV, Rajarathinam S, Thomas N, Seshadri MS. Effects of pioglitazone on menstrual frequency, hyperandrogenism and insulin resistance in adolescents and young adults with polycystic ovary syndrome. *J Pediatr Adolesc Gynecol*. 2009 Apr;22(2):91-5. Available from: PubMed; PMID 19345914
- Nawaz FH, Rizvi J. Continuation of metformin reduces early pregnancy loss in obese Pakistani women with polycystic ovarian syndrome. *Gynecol Obstet Invest*. 2010;69(3):184-9. Available from: PubMed; PMID 20029224
- Nawrocka J, Starczewski A. Effects of metformin treatment in women with polycystic ovary syndrome depends on insulin resistance. *Gynecol Endocrinol*. 2007 Apr;23(4):231-7. Available from: PubMed; PMID 17505944
- Nectaria X, Leandros L, Ioannis G, Agathocles T. The importance of ERalpha and ERbeta gene polymorphisms in PCOS. *Gynecol Endocrinol*. 2012 Jul;28(7):505-8. Available from: PubMed; PMID 22296324
- Nejad ES, Saedi T, Saedi S, Rashidi BH, Nekoo ZA, Jahangiri N. Comparison of in vitro fertilisation success in patients with polycystic ovary syndrome and tubal factor. *Gynecol Endocrinol*. 2011 Feb;27(2):117-20. Available from: PubMed; PMID 20636232
- Nestler JE, Stovall D, Akhter N, Luomo MJ, Jakubowicz DJ. Strategies for the use of insulin-sensitizing drugs to treat infertility in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Feb;77(2):209-15. Available from: PubMed; PMID 11821072
- Nestler JE. Metformin in the treatment of infertility in polycystic ovarian syndrome: an alternative perspective. *Fertil Steril*. 2008 Jul;90(1):14-6. Available from: PubMed; PMID 18550055
- Neveu N, Granger L, St-Michel P, Lavoie HB. Comparison of clomiphene citrate, metformin, or the combination of both for first-line ovulation induction and achievement of pregnancy in 154 women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jan;87(1):113-20. Available from: PubMed; PMID 17081535
- Ng EH, Wat NM, Ho PC. Effects of metformin on ovulation rate, hormonal and metabolic profiles in women with clomiphene-resistant polycystic ovaries: a randomized, double-blinded placebo-controlled trial. *Hum Reprod*. 2001 Aug;16(8):1625-31. Available from: PubMed; PMID 11473953
- Ng EH, Chan CC, Yeung WS, Ho PC. Comparison of ovarian stromal blood flow between fertile women with normal ovaries and infertile women with polycystic ovary syndrome. *Hum Reprod*. 2005 Jul;20(7):1881-6. Available from: PubMed; PMID 15845598
- Nicholson F, Rolland C, Broom J, Love J. Effectiveness of long-term (twelve months) nonsurgical weight loss interventions for obese women with polycystic ovary syndrome: a systematic review. *Int J Womens Health*. 2010;2:393-9. Available from: PubMed; PMID 21151687
- Nordio M, Proietti E. The combined therapy with myo-inositol and D-chiro-inositol reduces the risk of metabolic disease in PCOS overweight patients compared to myo-inositol supplementation alone. *Eur Rev Med Pharmacol Sci*. 2012 May;16(5):575-81. Available from: PubMed; PMID 22774396
- Norman RJ, Kidson WJ, Cuneo RC, Zacharin MR. Metformin and intervention in polycystic ovary syndrome. Endocrine Society of Australia, the Australian Diabetes Society and the Australian Paediatric Endocrine Group. *Med J Aust*. 2001 Jun 4;174(11):580-3. Available from: PubMed; PMID 11453331
- Norman RJ, Davies MJ, Lord J, Moran LJ. The role of lifestyle modification in polycystic ovary syndrome. *Trends Endocrinol Metab*. 2002 Aug;13(6):251-7. Available from: PubMed; PMID 12128286
- Norman RJ, Wu R, Stankiewicz MT. 4: Polycystic ovary syndrome. *Med J Aust*. 2004 Feb 2;180(3):132-7. Available from: PubMed; PMID 14748678
- Norman RJ, Homan G, Moran L, Noakes M. Lifestyle choices, diet, and insulin sensitizers in polycystic ovary syndrome. *Endocrine*. 2006 Aug;30(1):35-43. Available from: PubMed; PMID 17185790
- Norman RJ, Dewailly D, Legro RS, Hickey TE. Polycystic ovary syndrome. *Lancet*. 2007 Aug 25;370(9588):685-97. Available from: PubMed; PMID 17720020
- Noyan V, Yucel A, Sagsoz N. The association of bone mineral density with insulin resistance in patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2004 Aug 10;115(2):200-5. Available from: PubMed; PMID 15262356
- Nugent D, Vandekerckhove P, Hughes E, Arnot M, Lilford R. Gonadotrophin therapy for ovulation induction in subfertility associated with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2000 (4):CD000410. Available from: PubMed; PMID 11034687
- Nybacka A, Carlstrom K, Stahle A, Nyren S, Hellstrom PM, Hirschberg AL. Randomized comparison of the influence of dietary management and/or physical exercise on ovarian function and metabolic parameters in overweight women with polycystic ovary syndrome. *Fertil Steril*. 2011 Dec;96(6):1508-13. Available from: PubMed; PMID 21962963

- O'Connor A, Gibney J, Roche HM. Metabolic and hormonal aspects of polycystic ovary syndrome: the impact of diet. *Proc Nutr Soc.* 2010 Nov;69(4):628-35. Available from: PubMed; PMID 20696094
- Oghan F, Coksuer H. Does hyperandrogenism have an effect on hearing loss in patients with polycystic ovary syndrome? *Auris Nasus Larynx.* 2012 Aug;39(4):365-8. Available from: PubMed; PMID 21862266
- Ojaniemi M, Tapanainen P, Morin-Papunen L. Management of polycystic ovary syndrome in childhood and adolescence. *Horm Res Paediatr.* 2010;74(5):372-5. Available from: PubMed; PMID 20861609
- Okoroafor UC, Jungheim ES. Incorporating patient preference into the management of infertility in women with polycystic ovary syndrome. *Patient Prefer Adherence.* 2012;6:407-15. Available from: PubMed; PMID 22723725
- Oktenli C, Ozgurtas T, Dede M, Sanisoglu YS, Yenen MC, Yesilova Z, Kenar L, Kurt YG, Baser I, Smith J, Cianflone K. Metformin decreases circulating acylation-stimulating protein levels in polycystic ovary syndrome. *Gynecol Endocrinol.* 2007 Dec;23(12):710-5. Available from: PubMed; PMID 18075846
- Olszanecka-Glinianowicz M, Banas M, Zahorska-Markiewicz B, Janowska J, Kocelak P, Madej P, Klimek K. Is the polycystic ovary syndrome associated with chronic inflammation per se? *Eur J Obstet Gynecol Reprod Biol.* 2007 Aug;133(2):197-202. Available from: PubMed; PMID 17224231
- Olszanecka-Glinianowicz M, Zahorska-Markiewicz B, Kocelak P, Janowska J, Semik-Grabarczyk E. The effect of weight loss on inflammation in obese women with polycystic ovary syndrome. *Endokrynol Pol.* 2008 Jan-Feb;59(1):13-7. Available from: PubMed; PMID 18335395
- Olszanecka-Glinianowicz M, Kuglin D, Dabkowska-Huc A, Skalba P. Serum adiponectin and resistin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Jan;154(1):51-6. Available from: PubMed; PMID 20889251
- Olszanecka-Glinianowicz M, Madej P, Zdun D, Bozentowicz-Wikarek M, Sikora J, Chudek J, Skalba P. Are plasma levels of visfatin and retinol-binding protein 4 (RBP4) associated with body mass, metabolic and hormonal disturbances in women with polycystic ovary syndrome? *Eur J Obstet Gynecol Reprod Biol.* 2012 May;162(1):55-61. Available from: PubMed; PMID 22397743
- Onalan G, Goktolga U, Ceyhan T, Bagis T, Onalan R, Pabuccu R. Predictive value of glucose-insulin ratio in PCOS and profile of women who will benefit from metformin therapy: obese, lean, hyper or normoinsulinemic? *Eur J Obstet Gynecol Reprod Biol.* 2005 Dec 1;123(2):204-11. Available from: PubMed; PMID 16316811
- Onalan G, Selam B, Baran Y, Cincik M, Onalan R, Gunduz U, Ural AU, Pabuccu R. Serum and follicular fluid levels of soluble Fas, soluble Fas ligand and apoptosis of luteinized granulosa cells in PCOS patients undergoing IVF. *Hum Reprod.* 2005 Sep;20(9):2391-5. Available from: PubMed; PMID 15932917
- Oner G, Muderris, II. Clinical, endocrine and metabolic effects of metformin vs N-acetyl-cysteine in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol.* 2011 Nov;159(1):127-31. Available from: PubMed; PMID 21831508
- Oppelt PG, Mueller A, Jentsch K, Kronawitter D, Reissmann C, Dittrich R, Beckmann MW, Cupisti S. The effect of metformin treatment for 2 years without caloric restriction on endocrine and metabolic parameters in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2010 Oct;118(9):633-7. Available from: PubMed; PMID 19998243
- Orbetzova MM, Pehlivanov BK, Mitkov MM, Atanassova IB, Kamenov ZA, Kolarov GB, Genchev GD. Effect of short-term standard therapeutic regimens on neuropeptide Y and adipose tissue hormones in overweight insulin-resistant women with polycystic ovary syndrome. *Folia Med (Plovdiv).* 2011 Jul-Sep;53(3):15-24. Available from: PubMed; PMID 22359978
- Orio F, Jr., Palomba S, Colao A, Russo T, Dentico C, Tauchmanova L, Savastano S, Nappi C, Sultan C, Zullo F, Lombardi G. GH release after GHRH plus arginine administration in obese and overweight women with polycystic ovary syndrome. *J Endocrinol Invest.* 2003 Feb;26(2):117-22. Available from: PubMed; PMID 12739737
- Orio F, Giallauria F, Palomba S, Manguso F, Orio M, Tafuri D, Lombardi G, Carmina E, Colao A, Vigorito C. Metabolic and cardiopulmonary effects of detraining after a structured exercise training programme in young PCOS women. *Clin Endocrinol (Oxf).* 2008 Jun;68(6):976-81. Available from: PubMed; PMID 17980005
- Orsino A, Van Eyk N, Hamilton J. Clinical features, investigations and management of adolescents with polycystic ovary syndrome. *Paediatr Child Health.* 2005 Dec;10(10):602-8. Available from: PubMed; PMID 19668673
- Ortega-Gonzalez C, Cardoza L, Coutino B, Hidalgo R, Arteaga-Troncoso G, Parra A. Insulin sensitizing drugs increase the endogenous dopaminergic tone in obese insulin-resistant women with polycystic ovary syndrome. *J Endocrinol.* 2005 Jan;184(1):233-9. Available from: PubMed; PMID 15642799
- Ortega-Gonzalez C, Luna S, Hernandez L, Crespo G, Aguayo P, Arteaga-Troncoso G, Parra A. Responses of

- serum androgen and insulin resistance to metformin and pioglitazone in obese, insulin-resistant women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Mar;90(3):1360-5. Available from: PubMed; PMID 15598674
- Orvieto R, Meltzer S, Liberty G, Rabinson J, Anteby EY, Nahum R. Does day-3 LH/FSH ratio influence in vitro fertilization outcome in PCOS patients undergoing controlled ovarian hyperstimulation with different GnRH-analogue? *Gynecol Endocrinol.* 2012 Jun;28(6):422-4. Available from: PubMed; PMID 22578028
- Ota H, Goto T, Yoshioka T, Ohyama N. Successful pregnancies treated with pioglitazone in infertile patients with polycystic ovary syndrome. *Fertil Steril.* 2008 Sep;90(3):709-13. Available from: PubMed; PMID 18423625
- Ott J, Aust S, Kurz C, Nouri K, Wirth S, Huber JC, Mayerhofer K. Elevated antithyroid peroxidase antibodies indicating Hashimoto's thyroiditis are associated with the treatment response in infertile women with polycystic ovary syndrome. *Fertil Steril.* 2010 Dec;94(7):2895-7. Available from: PubMed; PMID 20638057
- Ott J, Wattar L, Kurz C, Seemann R, Huber JC, Mayerhofer K, Vytiska-Binstorfer E. Parameters for calcium metabolism in women with polycystic ovary syndrome who undergo clomiphene citrate stimulation: a prospective cohort study. *Eur J Endocrinol.* 2012 May;166(5):897-902. Available from: PubMed; PMID 22330149
- Otta CF, Wior M, Iraci GS, Kaplan R, Torres D, Gaido MI, Wyse EP. Clinical, metabolic, and endocrine parameters in response to metformin and lifestyle intervention in women with polycystic ovary syndrome: a randomized, double-blind, and placebo control trial. *Gynecol Endocrinol.* 2010 Mar;26(3):173-8. Available from: PubMed; PMID 20148739
- Owj M, Tehrani-Nejad ES, Amirchaghmaghi E, Baghestani AR, Ahmadi J. The role of ketoconazole in the prevention of ovarian hyperstimulation syndrome in patients with polycystic ovary syndrome during assisted reproductive technology cycles. *Saudi Med J.* 2005 Oct;26(10):1584-7. Available from: PubMed; PMID 16228060
- Ozcimen EE, Uckuyu A, Ciftci FC, Zeyneloglu HB. The effect of metformin treatment on ovarian stromal blood flow in women with polycystic ovary syndrome. *Arch Gynecol Obstet.* 2009 Aug;280(2):263-9. Available from: PubMed; PMID 19125266
- Ozdemir S, Gorkemli H, Gezgin K, Ozdemir M, Kiyici A. Clinical and metabolic effects of medroxyprogesterone acetate and ethinyl estradiol plus drospirenone in women with polycystic ovary syndrome. *Int J Gynaecol Obstet.* 2008 Oct;103(1):44-9. Available from: PubMed; PMID 18635183
- Ozgun MT, Uludag S, Oner G, Batukan C, Aygen EM, Sahin Y. The influence of obesity on ICSI outcomes in women with polycystic ovary syndrome. *J Obstet Gynaecol.* 2011;31(3):245-9. Available from: PubMed; PMID 21417650
- Ozgurtas T, Oktenli C, Dede M, Tapan S, Kenar L, Sanisoglu SY, Yesilova Z, Yenen MC, Erbil MK, Baser I. Metformin and oral contraceptive treatments reduced circulating asymmetric dimethylarginine (ADMA) levels in patients with polycystic ovary syndrome (PCOS). *Atherosclerosis.* 2008 Oct;200(2):336-44. Available from: PubMed; PMID 18281049
- Ozkan S, Vural B, Caliskan E, Bodur H, Turkoz E, Vural F. Color Doppler sonographic analysis of uterine and ovarian artery blood flow in women with polycystic ovary syndrome. *J Clin Ultrasound.* 2007 Jul-Aug;35(6):305-13. Available from: PubMed; PMID 17471581
- Ozkaya E, Cakir E, Cinar M, Kara F, Baser E, Cakir C, Kucukozkan T. Is hyperandrogenemia protective for fibrocystic breast disease in PCOS? *Gynecol Endocrinol.* 2012 Jun;28(6):468-71. Available from: PubMed; PMID 22103710
- Pagidas K, Carson SA, McGovern PG, Barnhart HX, Myers ER, Legro RS, Diamond MP, Carr BR, Schlaff WD, Coutifaris C, Steinkampf MP, Cataldo NA, Nestler JE, Gosman G, Giudice LC. Intercourse compliance, ovulation, and treatment success in the National Institute of Child Health and Human Development-Reproductive Medicine Network's Pregnancy in Polycystic Ovary Syndrome (PPCOS) Trial. *Fertil Steril.* 2010 Sep;94(4):1444-6. Available from: PubMed; PMID 19540477
- Pagotto U, Gambineri A, Vicennati V, Heiman ML, Tschop M, Pasquali R. Plasma ghrelin, obesity, and the polycystic ovary syndrome: correlation with insulin resistance and androgen levels. *J Clin Endocrinol Metab.* 2002 Dec;87(12):5625-9. Available from: PubMed; PMID 12466363
- Palep-Singh M, Mook K, Barth J, Balen A. An observational study of Yasmin in the management of women with polycystic ovary syndrome. *J Fam Plann Reprod Health Care.* 2004 Jul;30(3):163-5. Available from: PubMed; PMID 15222920
- Palep-Singh M, Picton HM, Vrotsou K, Maruthini D, Balen AH. South Asian women with polycystic ovary syndrome exhibit greater sensitivity to gonadotropin stimulation with reduced fertilization and ongoing pregnancy rates than their Caucasian counterparts. *Eur J Obstet Gynecol Reprod Biol.* 2007 Oct;134(2):202-7. Available from: PubMed; PMID 17367914
- Pall M, Azziz R, Beires J, Pignatelli D. The phenotype of hirsute women: a comparison of polycystic ovary syndrome and 21-hydroxylase-deficient nonclassic adrenal hyperplasia. *Fertil Steril.* 2010 Jul;94(2):684-9. Available from: PubMed; PMID 19726039

Palمرت MR, Gordon CM, Kartashov AI, Legro RS, Emans SJ, Dunaif A. Screening for abnormal glucose tolerance in adolescents with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Mar;87(3):1017-23. Available from: PubMed; PMID 11889155

Palomba S, Falbo A, Orio F, Jr., Manguso F, Russo T, Tolino A, Annamaria C, Dale B, Zullo F. A randomized controlled trial evaluating metformin pre-treatment and co-administration in non-obese insulin-resistant women with polycystic ovary syndrome treated with controlled ovarian stimulation plus timed intercourse or intrauterine insemination. *Hum Reprod.* 2005 Oct;20(10):2879-86. Available from: PubMed; PMID 15958399

Palomba S, Orio F, Jr., Falbo A, Manguso F, Russo T, Cascella T, Tolino A, Carmina E, Colao A, Zullo F. Prospective parallel randomized, double-blind, double-dummy controlled clinical trial comparing clomiphene citrate and metformin as the first-line treatment for ovulation induction in nonobese anovulatory women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Jul;90(7):4068-74. Available from: PubMed; PMID 15840746

Palomba S, Falbo A, Orio F, Jr., Russo T, Sbano F, D'Alessandro P, Cariati F, Tolino A, Colao A, Zullo F. Efficacy of laparoscopic ovarian diathermy in clomiphene citrate-resistant women with polycystic ovary syndrome: relationships with chronological and ovarian age. *Gynecol Endocrinol.* 2006 Jun;22(6):329-35. Available from: PubMed; PMID 16785158

Palomba S, Falbo A, Orio F, Jr., Russo T, Tolino A, Zullo F. Metformin hydrochloride and recurrent miscarriage in a woman with polycystic ovary syndrome. *Fertil Steril.* 2006 May;85(5):1511 e3-5. Available from: PubMed; PMID 16647382

Palomba S, Orio F, Jr., Falbo A, Russo T, Tolino A, Zullo F. Effects of metformin and clomiphene citrate on ovarian vascularity in patients with polycystic ovary syndrome. *Fertil Steril.* 2006 Dec;86(6):1694-701. Available from: PubMed; PMID 17074337

Palomba S, Orio F, Zullo F. Ovulation induction in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jul;86 Suppl 1:S26-7. Available from: PubMed; PMID 16798282

Palomba S, Russo T, Orio F, Jr., Falbo A, Manguso F, Cascella T, Tolino A, Carmina E, Colao A, Zullo F. Uterine effects of metformin administration in anovulatory women with polycystic ovary syndrome. *Hum Reprod.* 2006 Feb;21(2):457-65. Available from: PubMed; PMID 16253975

Palomba S, Russo T, Orio F, Jr., Falbo A, Manguso F, Sammartino A, Tolino A, Colao A, Carmina E, Zullo F. Uterine effects of clomiphene citrate in women with polycystic ovary syndrome: a prospective controlled study.

*Hum Reprod.* 2006 Nov;21(11):2823-9. Available from: PubMed; PMID 16835214

Palomba S, Zullo F. Ovulation induction in infertile patients with polycystic ovary syndrome. *Minerva Ginecol.* 2006 Apr;58(2):115-35. Available from: PubMed; PMID 16582868

Palomba S, Falbo A, Russo T, Manguso F, Tolino A, Zullo F, De Feo P, Orio F, Jr. Insulin sensitivity after metformin suspension in normal-weight women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Aug;92(8):3128-35. Available from: PubMed; PMID 17519312

Palomba S, Orio F, Jr., Falbo A, Russo T, Tolino A, Zullo F. Clomiphene citrate versus metformin as first-line approach for the treatment of anovulation in infertile patients with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Sep;92(9):3498-503. Available from: PubMed; PMID 17595241

Palomba S, Orio F, Jr., Zullo F. What is the best first-step therapeutic approach in treating anovulatory infertility in patients with polycystic ovary syndrome? Questions that are still unanswered. *Gynecol Endocrinol.* 2007 May;23(5):245-7. Available from: PubMed; PMID 17558680

Palomba S, Falbo A, Orio F, Jr., Russo T, Tolino A, Zullo F. Pretreatment with oral contraceptives in infertile anovulatory patients with polycystic ovary syndrome who receive gonadotropins for controlled ovarian stimulation. *Fertil Steril.* 2008 Jun;89(6):1838-42. Available from: PubMed; PMID 17980363

Palomba S, Falbo A, Orio F, Zullo F. Insulin-sensitizing agents and reproductive function in polycystic ovary syndrome patients. *Curr Opin Obstet Gynecol.* 2008 Aug;20(4):364-73. Available from: PubMed; PMID 18660688

Palomba S, Falbo A, Russo T, Orio F, Tolino A, Zullo F. Role of metformin in patients with polycystic ovary syndrome: the state of the art. *Minerva Ginecol.* 2008 Feb;60(1):77-82. Available from: PubMed; PMID 18277354

Palomba S, Giallauria F, Falbo A, Russo T, Oppedisano R, Tolino A, Colao A, Vigorito C, Zullo F, Orio F. Structured exercise training programme versus hypocaloric hyperproteic diet in obese polycystic ovary syndrome patients with anovulatory infertility: a 24-week pilot study. *Hum Reprod.* 2008 Mar;23(3):642-50. Available from: PubMed; PMID 18158291

Palomba S, Oppedisano R, Tolino A, Orio F, Zullo F. Outlook: metformin use in infertile patients with polycystic ovary syndrome: an evidence-based overview. *Reprod Biomed Online.* 2008 Mar;16(3):327-35. Available from: PubMed; PMID 18339252

- Palomba S, Falbo A, Orio F, Jr., Tolino A, Zullo F. Efficacy predictors for metformin and clomiphene citrate treatment in anovulatory infertile patients with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):2557-67. Available from: PubMed; PMID 18440534
- Palomba S, Falbo A, Zullo F. Management strategies for ovulation induction in women with polycystic ovary syndrome and known clomifene citrate resistance. *Curr Opin Obstet Gynecol*. 2009 Dec;21(6):465-73. Available from: PubMed; PMID 19809318
- Palomba S, Falbo A, Zullo F, Orio F, Jr. Evidence-based and potential benefits of metformin in the polycystic ovary syndrome: a comprehensive review. *Endocr Rev*. 2009 Feb;30(1):1-50. Available from: PubMed; PMID 19056992
- Palomba S, Pasquali R, Orio F, Jr., Nestler JE. Clomiphene citrate, metformin or both as first-step approach in treating anovulatory infertility in patients with polycystic ovary syndrome (PCOS): a systematic review of head-to-head randomized controlled studies and meta-analysis. *Clin Endocrinol (Oxf)*. 2009 Feb;70(2):311-21. Available from: PubMed; PMID 18691273
- Palomba S, Falbo A, Battista L, Russo T, Venturella R, Tolino A, Orio F, Zullo F. Laparoscopic ovarian diathermy vs clomiphene citrate plus metformin as second-line strategy for infertile anovulatory patients with polycystic ovary syndrome: a randomized controlled trial. *Am J Obstet Gynecol*. 2010 Jun;202(6):577 e1-8. Available from: PubMed; PMID 20096821
- Palomba S, Falbo A, Giallauria F, Russo T, Rocca M, Tolino A, Zullo F, Orio F. Six weeks of structured exercise training and hypocaloric diet increases the probability of ovulation after clomiphene citrate in overweight and obese patients with polycystic ovary syndrome: a randomized controlled trial. *Hum Reprod*. 2010 Nov;25(11):2783-91. Available from: PubMed; PMID 20858697
- Palomba S, Falbo A, Russo T, Orio F, Tolino A, Zullo F. Systemic and local effects of metformin administration in patients with polycystic ovary syndrome (PCOS): relationship to the ovulatory response. *Hum Reprod*. 2010 Apr;25(4):1005-13. Available from: PubMed; PMID 20106839
- Palomba S, Falbo A, Di Cello A, Cappiello F, Tolino A, Zullo F. Does metformin affect the ovarian response to gonadotropins for in vitro fertilization treatment in patients with polycystic ovary syndrome and reduced ovarian reserve? A randomized controlled trial. *Fertil Steril*. 2011 Nov;96(5):1128-33. Available from: PubMed; PMID 21917254
- Palomba S, Falbo A, Russo T, Di Cello A, Morelli M, Orio F, Cappiello F, Tolino A, Zullo F. Metformin administration in patients with polycystic ovary syndrome who receive gonadotropins for in vitro fertilization cycles: 10-year experience in a large infertile population. *Gynecol Endocrinol*. 2012 Feb;28(2):81-6. Available from: PubMed; PMID 21770836
- Pamuk BO, Torun AN, Kulaksizoglu M, Ertugrul D, Ciftci O, Kulaksizoglu S, Yildirim E, Demirag NG. Asymmetric dimethylarginine levels and carotid intima-media thickness in obese patients with polycystic ovary syndrome and their relationship to metabolic parameters. *Fertil Steril*. 2010 Mar 1;93(4):1227-33. Available from: PubMed; PMID 19108830
- Pangaribuan B, Yusuf I, Mansyur M, Wijaya A. Serum adiponectin and resistin in relation to insulin resistance and markers of hyperandrogenism in lean and obese women with polycystic ovary syndrome. *Ther Adv Endocrinol Metab*. 2011 Dec;2(6):235-45. Available from: PubMed; PMID 23148188
- Panidis DK, Rousso DH, Matalliotakis IM, Kourtis AI, Stamatopoulos P, Koumantakis E. The influence of long-term administration of conjugated estrogens and antiandrogens to serum leptin levels in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2000 Jun;14(3):169-72. Available from: PubMed; PMID 10923277
- Panidis D, Kourtis A, Farmakiotis D, Mouslech T, Rousso D, Koliakos G. Serum adiponectin levels in women with polycystic ovary syndrome. *Hum Reprod*. 2003 Sep;18(9):1790-6. Available from: PubMed; PMID 12923129
- Panidis D, Rousso D, Kourtis A, Tsimas V, Papatheanasiou K, Makedos G. Serum leptin levels in normal-weight and overweight women with polycystic ovary syndrome. *Clin Exp Obstet Gynecol*. 2003;30(4):207-10. Available from: PubMed; PMID 14664414
- Panidis D, Balaris C, Farmakiotis D, Rousso D, Kourtis A, Balaris V, Katsikis I, Zournatzi V, Diamanti-Kandarakis E. Serum parathyroid hormone concentrations are increased in women with polycystic ovary syndrome. *Clin Chem*. 2005 Sep;51(9):1691-7. Available from: PubMed; PMID 16037412
- Panidis D, Macut D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Spanos N, Petakov M, Bjekic J, Damjanovic S. Indices of insulin sensitivity, beta cell function and serum proinsulin levels in the polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2006 Jul;127(1):99-105. Available from: PubMed; PMID 16460870
- Panidis D, Rousso D, Koliakos G, Kourtis A, Katsikis I, Farmakiotis D, Votsi E, Diamanti-Kandarakis E. Plasma metastatin levels are negatively correlated with insulin resistance and free androgens in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jun;85(6):1778-83. Available from: PubMed; PMID 16650418
- Panidis D, Farmakiotis D. Treatment of infertility in the polycystic ovary syndrome. *N Engl J Med*. 2007 May



10;356(19):1999; author reply 2000-1. Available from: PubMed; PMID 17494937

Panidis D, Farmakiotis D, Rousso D, Katsikis I, Delkos D, Piouka A, Gerou S, Diamanti-Kandarakis E. Plasma visfatin levels in normal weight women with polycystic ovary syndrome. *Eur J Intern Med*. 2008 Oct;19(6):406-12. Available from: PubMed; PMID 18848173

Panidis D, Farmakiotis D, Rousso D, Kourtis A, Katsikis I, Krassas G. Obesity, weight loss, and the polycystic ovary syndrome: effect of treatment with diet and orlistat for 24 weeks on insulin resistance and androgen levels. *Fertil Steril*. 2008 Apr;89(4):899-906. Available from: PubMed; PMID 17980364

Panidis D, Georgopoulos NA, Piouka A, Katsikis I, Saltamavros AD, Decavalas G, Diamanti-Kandarakis E. The impact of oral contraceptives and metformin on anti-Mullerian hormone serum levels in women with polycystic ovary syndrome and biochemical hyperandrogenemia. *Gynecol Endocrinol*. 2011 Aug;27(8):587-92. Available from: PubMed; PMID 20836726

Papaleo E. Inositol effects on ovulation induction in patients with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):e47; author reply e9. Available from: PubMed; PMID 21496806

Paradisi G, Steinberg HO, Shepard MK, Hook G, Baron AD. Troglitazone therapy improves endothelial function to near normal levels in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 Feb;88(2):576-80. Available from: PubMed; PMID 12574183

Park E, Cockrem JF, Han KH, Kim DH, Jung MH, Chu JP. Stress-induced activation of ovarian heat shock protein 90 in a rat model of polycystic ovary syndrome. *J Obstet Gynaecol Res*. 2012 Feb;38(2):396-407. Available from: PubMed; PMID 22176470

Parsanezhad ME, Alborzi S, Zarei A, Dehbashi S, Omrani G. Insulin resistance in clomiphene responders and non-responders with polycystic ovarian disease and therapeutic effects of metformin. *Int J Gynaecol Obstet*. 2001 Oct;75(1):43-50. Available from: PubMed; PMID 11597618

Parsanezhad ME, Alborzi S, Jahromi BN. A prospective, double-blind, randomized, placebo-controlled clinical trial of bromocriptine in clomiphene-resistant patients with polycystic ovary syndrome and normal prolactin level. *Int J Fertil Womens Med*. 2002 Nov-Dec;47(6):272-7. Available from: PubMed; PMID 12570169

Parsanezhad ME, Bagheri MH, Alborzi S, Schmidt EH. Ovarian stromal blood flow changes after laparoscopic ovarian cauterization in women with polycystic ovary syndrome. *Hum Reprod*. 2003 Jul;18(7):1432-7. Available from: PubMed; PMID 12832368

Pasquali R, Gambineri A, Biscotti D, Vicennati V, Gagliardi L, Colitta D, Fiorini S, Cognigni GE, Filicori M, Morselli-Labate AM. Effect of long-term treatment with metformin added to hypocaloric diet on body composition, fat distribution, and androgen and insulin levels in abdominally obese women with and without the polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2000 Aug;85(8):2767-74. Available from: PubMed; PMID 10946879

Pasquali R, Pelusi C, Ragazzini C, Hasanaj R, Gambineri A. Glucose tolerance, insulin secretion and insulin sensitivity in polycystic ovary syndrome. *JOP*. 2002 Jan;3(1):1-7. Available from: PubMed; PMID 11884761

Pasquali R, Gambineri A. Role of changes in dietary habits in polycystic ovary syndrome. *Reprod Biomed Online*. 2004 Apr;8(4):431-9. Available from: PubMed; PMID 15149567

Pasquali R, Patton L, Pagotto U, Gambineri A. Metabolic alterations and cardiovascular risk factors in the polycystic ovary syndrome. *Minerva Ginecol*. 2005 Feb;57(1):79-85. Available from: PubMed; PMID 15758867

Pasquali R, Gambineri A. Insulin-sensitizing agents in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Jul;86 Suppl 1:S28-9. Available from: PubMed; PMID 16798283

Pasquali R, Gambineri A. Insulin-sensitizing agents in polycystic ovary syndrome. *Eur J Endocrinol*. 2006 Jun;154(6):763-75. Available from: PubMed; PMID 16728533

Pasquali R, Gambineri A, Pagotto U. The impact of obesity on reproduction in women with polycystic ovary syndrome. *BJOG*. 2006 Oct;113(10):1148-59. Available from: PubMed; PMID 16827825

Pasquali R, Patton L, Pocognoli P, Cognigni GE, Gambineri A. 17-hydroxyprogesterone responses to gonadotropin-releasing hormone disclose distinct phenotypes of functional ovarian hyperandrogenism and polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Nov;92(11):4208-17. Available from: PubMed; PMID 17785360

Pasquali R, Gambineri A. Targeting insulin sensitivity in the treatment of polycystic ovary syndrome. *Expert Opin Ther Targets*. 2009 Oct;13(10):1205-26. Available from: PubMed; PMID 19650762

Pasquali R, Gambineri A, Cavazza C, Ibarra Gasparini D, Ciampaglia W, Cognigni GE, Pagotto U. Heterogeneity in the responsiveness to long-term lifestyle intervention and predictability in obese women with polycystic ovary syndrome. *Eur J Endocrinol*. 2011 Jan;164(1):53-60. Available from: PubMed; PMID 20956435

Patel K, Coffler MS, Dahan MH, Malcom PJ, Deutsch R, Chang RJ. Relationship of GnRH-stimulated LH release to

- episodic LH secretion and baseline endocrine-metabolic measures in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2004 Jan;60(1):67-74. Available from: PubMed; PMID 14678290
- Pauli JM, Raja-Khan N, Wu X, Legro RS. Current perspectives of insulin resistance and polycystic ovary syndrome. *Diabet Med*. 2011 Dec;28(12):1445-54. Available from: PubMed; PMID 21950959
- Pawelczyk L, Spaczynski RZ, Banaszewska B, Duleba AJ. Metformin therapy increases insulin-like growth factor binding protein-1 in hyperinsulinemic women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2004 Apr 15;113(2):209-13. Available from: PubMed; PMID 15063962
- Peacock A, Alvi NS, Mushtaq T. Period problems: disorders of menstruation in adolescents. *Arch Dis Child*. 2012 Jun;97(6):554-60. Available from: PubMed; PMID 20576661
- Pehlivanov B, Mitkov M. Serum leptin levels correlate with clinical and biochemical indices of insulin resistance in women with polycystic ovary syndrome. *Eur J Contracept Reprod Health Care*. 2009 Apr;14(2):153-9. Available from: PubMed; PMID 19340711
- Pelusi C, Pasquali R. Polycystic ovary syndrome in adolescents: pathophysiology and treatment implications. *Treat Endocrinol*. 2003;2(4):215-30. Available from: PubMed; PMID 15966558
- Penna IA, Canella PR, Reis RM, Silva de Sa MF, Ferriani RA. Acarbose in obese patients with polycystic ovarian syndrome: a double-blind, randomized, placebo-controlled study. *Hum Reprod*. 2005 Sep;20(9):2396-401. Available from: PubMed; PMID 16006454
- Phelan N, O'Connor A, Kyaw Tun T, Correia N, Boran G, Roche HM, Gibney J. Hormonal and metabolic effects of polyunsaturated fatty acids in young women with polycystic ovary syndrome: results from a cross-sectional analysis and a randomized, placebo-controlled, crossover trial. *Am J Clin Nutr*. 2011 Mar;93(3):652-62. Available from: PubMed; PMID 21270384
- Phipps WR. Polycystic ovary syndrome and ovulation induction. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):165-82. Available from: PubMed; PMID 11293001
- Pigny P, Cortet-Rudelli C, Decanter C, Deroubaix D, Soudan B, Duhamel A, Dewailly D. Serum levels of inhibins are differentially altered in patients with polycystic ovary syndrome: effects of being overweight and relevance to hyperandrogenism. *Fertil Steril*. 2000 May;73(5):972-7. Available from: PubMed; PMID 10785223
- Piltonen T, Morin-Papunen L, Koivunen R, Perheentupa A, Ruokonen A, Tapanainen JS. Serum anti-Mullerian hormone levels remain high until late reproductive age and decrease during metformin therapy in women with polycystic ovary syndrome. *Hum Reprod*. 2005 Jul;20(7):1820-6. Available from: PubMed; PMID 15802325
- Pinhas-Hamiel O, Singer S, Pilpel N, Koren I, Boyko V, Hemi R, Pariente C, Kanety H. Adiponectin levels in adolescent girls with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2009 Dec;71(6):823-7. Available from: PubMed; PMID 19389110
- Piouka A, Farmakiotis D, Katsikis I, Macut D, Gerou S, Panidis D. Anti-Mullerian hormone levels reflect severity of PCOS but are negatively influenced by obesity: relationship with increased luteinizing hormone levels. *Am J Physiol Endocrinol Metab*. 2009 Feb;296(2):E238-43. Available from: PubMed; PMID 18957615
- Plosker SM. Polycystic ovary syndrome and insulin resistance. *Med Health R I*. 2003 Jan;86(1):12-5. Available from: PubMed; PMID 12633015
- Polyzos NP, Tsappi M, Mauri D, Atay V, Cortinovis I, Casazza G. Aromatase inhibitors for infertility in polycystic ovary syndrome. The beginning or the end of a new era? *Fertil Steril*. 2008 Feb;89(2):278-80. Available from: PubMed; PMID 18275882
- Poujade O, Gervaise A, Faivre E, Deffieux X, Fernandez H. Surgical management of infertility due to polycystic ovarian syndrome after failure of medical management. *Eur J Obstet Gynecol Reprod Biol*. 2011 Oct;158(2):242-7. Available from: PubMed; PMID 21641713
- Prata Lima MF, Baracat EC, Simoes MJ. Effects of melatonin on the ovarian response to pinealectomy or continuous light in female rats: similarity with polycystic ovary syndrome. *Braz J Med Biol Res*. 2004 Jul;37(7):987-95. Available from: PubMed; PMID 15264005
- Pritts EA. Treatment of the infertile patient with polycystic ovarian syndrome. *Obstet Gynecol Surv*. 2002 Sep;57(9):587-97. Available from: PubMed; PMID 12218667
- Priyadarshani A. Relevance of an opioid, nospapine in reducing cystogeneses in rat experimental model of polycystic ovary syndrome. *J Endocrinol Invest*. 2009 Nov;32(10):837-43. Available from: PubMed; PMID 19609106
- Puurunen J, Piltonen T, Morin-Papunen L, Perheentupa A, Jarvela I, Ruokonen A, Tapanainen JS. Unfavorable hormonal, metabolic, and inflammatory alterations persist after menopause in women with PCOS. *J Clin Endocrinol Metab*. 2011 Jun;96(6):1827-34. Available from: PubMed; PMID 21450988
- Qiu S, Wu C, Lin F, Chen L, Huang Z, Jiang Z. Exercise training improved insulin sensitivity and ovarian morphology in rats with polycystic ovary syndrome. *Horm*

- Metab Res. 2009 Dec;41(12):880-5. Available from: PubMed; PMID 19693748
- Qu F, Wang FF, Lu XE, Dong MY, Sheng JZ, Lv PP, Ding GL, Shi BW, Zhang D, Huang HF. Altered aquaporin expression in women with polycystic ovary syndrome: hyperandrogenism in follicular fluid inhibits aquaporin-9 in granulosa cells through the phosphatidylinositol 3-kinase pathway. *Hum Reprod.* 2010 Jun;25(6):1441-50. Available from: PubMed; PMID 20378617
- Qublan HS, Yannakoula EK, Al-Qudah MA, El-Uri FI. Dietary intervention versus metformin to improve the reproductive outcome in women with polycystic ovary syndrome. A prospective comparative study. *Saudi Med J.* 2007 Nov;28(11):1694-9. Available from: PubMed; PMID 17965792
- Rachon D. Differential diagnosis of hyperandrogenism in women with polycystic ovary syndrome. *Exp Clin Endocrinol Diabetes.* 2012 Apr;120(4):205-9. Available from: PubMed; PMID 22421986
- Radosh L. Drug treatments for polycystic ovary syndrome. *Am Fam Physician.* 2009 Apr 15;79(8):671-6. Available from: PubMed; PMID 19405411
- Raffone E, Rizzo P, Benedetto V. Insulin sensitiser agents alone and in co-treatment with r-FSH for ovulation induction in PCOS women. *Gynecol Endocrinol.* 2010 Apr;26(4):275-80. Available from: PubMed; PMID 20222840
- Rajagopal G, Reddy AP, Venkata Harinarayan C, Suresh V, Bitla A, S PVLNR, Sachan A. Effect of lifestyle modification and metformin therapy on emerging cardiovascular risk factors in overweight Indian women with polycystic ovary syndrome. *Metab Syndr Relat Disord.* 2012 Aug;10(4):273-9. Available from: PubMed; PMID 22468948
- Raja-Khan N, Kunselman AR, Hogeman CS, Stetter CM, Demers LM, Legro RS. Effects of atorvastatin on vascular function, inflammation, and androgens in women with polycystic ovary syndrome: a double-blind, randomized, placebo-controlled trial. *Fertil Steril.* 2011 Apr;95(5):1849-52. Available from: PubMed; PMID 21144505
- Raja-Khan N, Stener-Victorin E, Wu X, Legro RS. The physiological basis of complementary and alternative medicines for polycystic ovary syndrome. *Am J Physiol Endocrinol Metab.* 2011 Jul;301(1):E1-E10. Available from: PubMed; PMID 21487075
- Randeva HS, Lewandowski KC, Drzewoski J, Brooke-Wavell K, O'Callaghan C, Czupryniak L, Hillhouse EW, Prelevic GM. Exercise decreases plasma total homocysteine in overweight young women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2002 Oct;87(10):4496-501. Available from: PubMed; PMID 12364425
- Rasgon NL, Altshuler LL, Gudeman D, Burt VK, Tanavoli S, Hendrick V, Korenman S. Medication status and polycystic ovary syndrome in women with bipolar disorder: a preliminary report. *J Clin Psychiatry.* 2000 Mar;61(3):173-8. Available from: PubMed; PMID 10817101
- Rasgon NL, Carter MS, Elman S, Bauer M, Love M, Korenman SG. Common treatment of polycystic ovarian syndrome and major depressive disorder: case report and review. *Curr Drug Targets Immune Endocr Metabol Disord.* 2002 Apr;2(1):97-102. Available from: PubMed; PMID 12477299
- Rasgon NL, Altshuler LL, Fairbanks L, Elman S, Bitran J, Labarca R, Saad M, Kupka R, Nolen WA, Frye MA, Suppes T, McElroy SL, Keck PE, Jr., Leverich G, Grunze H, Walden J, Post R, Mintz J. Reproductive function and risk for PCOS in women treated for bipolar disorder. *Bipolar Disord.* 2005 Jun;7(3):246-59. Available from: PubMed; PMID 15898962
- Rashidi B, Haghollahi F, Shariat M, Zayerii F. The effects of calcium-vitamin D and metformin on polycystic ovary syndrome: a pilot study. *Taiwan J Obstet Gynecol.* 2009 Jun;48(2):142-7. Available from: PubMed; PMID 19574176
- Rashidi B, Abediasl J, Tehraninejad E, Rahmanpour H, Sills ES. Simvastatin effects on androgens, inflammatory mediators, and endogenous pituitary gonadotropins among patients with PCOS undergoing IVF: results from a prospective, randomized, placebo-controlled clinical trial. *J Investig Med.* 2011 Aug;59(6):912-6. Available from: PubMed; PMID 21527854
- Ratts VS, Pauls RN, Pinto AB, Kraja A, Williams DB, Odem RR. Risk of multiple gestation after ovulation induction in polycystic ovary syndrome. *J Reprod Med.* 2007 Oct;52(10):896-900. Available from: PubMed; PMID 17977162
- Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Effects of metformin and ethinyl estradiol-cyproterone acetate on lipid levels in obese and non-obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2005 Feb;152(2):269-75. Available from: PubMed; PMID 15745936
- Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Endocrine and metabolic effects of rosiglitazone in overweight women with PCOS: a randomized placebo-controlled study. *Hum Reprod.* 2006 Jun;21(6):1400-7. Available from: PubMed; PMID 16501039
- Rautio K, Tapanainen JS, Ruokonen A, Morin-Papunen LC. Rosiglitazone treatment alleviates inflammation and improves liver function in overweight women with polycystic ovary syndrome: a randomized placebo-controlled study. *Fertil Steril.* 2007 Jan;87(1):202-6. Available from: PubMed; PMID 17074328

- Reckelhoff JF. Polycystic ovary syndrome: androgens and hypertension. *Hypertension*. 2007 Jun;49(6):1220-1. Available from: PubMed; PMID 17389256
- Redman LM, Elkind-Hirsch K, Ravussin E. Aerobic exercise in women with polycystic ovary syndrome improves ovarian morphology independent of changes in body composition. *Fertil Steril*. 2011 Jun 30;95(8):2696-9. Available from: PubMed; PMID 21324452
- Reinblatt SL, Buckett W. In vitro maturation for patients with polycystic ovary syndrome. *Semin Reprod Med*. 2008 Jan;26(1):121-6. Available from: PubMed; PMID 18181090
- Repaci A, Gambineri A, Pasquali R. The role of low-grade inflammation in the polycystic ovary syndrome. *Mol Cell Endocrinol*. 2011 Mar 15;335(1):30-41. Available from: PubMed; PMID 20708064
- Resende AV, Mendes MC, Dias de Moura M, Mendonca HC, Gomes Premoli AC, Reis RM, Berezowski AT. Doppler study of the uterine arteries and ovarian stroma in patients with polycystic ovary syndrome. *Gynecol Obstet Invest*. 2001;52(3):153-7. Available from: PubMed; PMID 11598355
- Rezvanfar MA, Rezvanfar MA, Ahmadi A, Shojaei-Saadi HA, Baeeri M, Abdollahi M. Molecular mechanisms of a novel selenium-based complementary medicine which confers protection against hyperandrogenism-induced polycystic ovary. *Theriogenology*. 2012 Aug;78(3):620-31. Available from: PubMed; PMID 22541319
- Rezvanian H, Adibi N, Siavash M, Kachuei A, Shojaei-Moradie F, Asilian A. Increased insulin sensitivity by metformin enhances intense-pulsed-light-assisted hair removal in patients with polycystic ovary syndrome. *Dermatology*. 2009;218(3):231-6. Available from: PubMed; PMID 19092235
- Rizzo M, Berneis K, Carmina E, Rini GB. How should we manage atherogenic dyslipidemia in women with polycystic ovary syndrome? *Am J Obstet Gynecol*. 2008 Jan;198(1):28 e1-5. Available from: PubMed; PMID 18166299
- Rizzo P, Raffone E. Comments on the role of inositol supplementation in patients with polycystic ovary syndrome. *Fertil Steril*. 2011 Jun;95(7):e48; author reply e9. Available from: PubMed; PMID 21496811
- Robinson K. 'Off-label' use of metformin warranted. *Adv Nurse Pract*. 2001 Mar;9(3):21. Available from: PubMed; PMID 12400319
- Roelfsema F, Kok P, Veldhuis JD, Pijl H. Altered multihormone synchrony in obese patients with polycystic ovary syndrome. *Metabolism*. 2011 Sep;60(9):1227-33. Available from: PubMed; PMID 21272901
- Rofey DL, Szigethy EM, Noll RB, Dahl RE, Lobst E, Arslanian SA. Cognitive-behavioral therapy for physical and emotional disturbances in adolescents with polycystic ovary syndrome: a pilot study. *J Pediatr Psychol*. 2009 Mar;34(2):156-63. Available from: PubMed; PMID 18556675
- Roldan B, San Millan JL, Escobar-Morreale HF. Genetic basis of metabolic abnormalities in polycystic ovary syndrome: implications for therapy. *Am J Pharmacogenomics*. 2004;4(2):93-107. Available from: PubMed; PMID 15059032
- Romualdi D, Guido M, Ciampelli M, Giuliani M, Leoni F, Perri C, Lanzone A. Selective effects of pioglitazone on insulin and androgen abnormalities in normo- and hyperinsulinaemic obese patients with polycystic ovary syndrome. *Hum Reprod*. 2003 Jun;18(6):1210-8. Available from: PubMed; PMID 12773448
- Romualdi D, Giuliani M, Draisci G, Costantini B, Cristello F, Lanzone A, Guido M. Pioglitazone reduces the adrenal androgen response to corticotropin-releasing factor without changes in ACTH release in hyperinsulinemic women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jul;88(1):131-8. Available from: PubMed; PMID 17336978
- Romualdi D, Campagna G, Selvaggi L, Jr., Cento R, Proto C, Lanzone A, Guido M. Metformin treatment does not affect total leptin levels and free leptin index in obese patients with polycystic ovary syndrome. *Fertil Steril*. 2008 May;89(5):1273-6. Available from: PubMed; PMID 17658527
- Romualdi D, Costantini B, Campagna G, Lanzone A, Guido M. Is there a role for soy isoflavones in the therapeutic approach to polycystic ovary syndrome? Results from a pilot study. *Fertil Steril*. 2008 Nov;90(5):1826-33. Available from: PubMed; PMID 18166189
- Romualdi D, De Marinis L, Campagna G, Proto C, Lanzone A, Guido M. Alteration of ghrelin-neuropeptide Y network in obese patients with polycystic ovary syndrome: role of hyperinsulinism. *Clin Endocrinol (Oxf)*. 2008 Oct;69(4):562-7. Available from: PubMed; PMID 18248643
- Romualdi D, Giuliani M, Cristello F, Fulghesu AM, Selvaggi L, Lanzone A, Guido M. Metformin effects on ovarian ultrasound appearance and steroidogenic function in normal-weight normoinsulinemic women with polycystic ovary syndrome: a randomized double-blind placebo-controlled clinical trial. *Fertil Steril*. 2010 May 1;93(7):2303-10. Available from: PubMed; PMID 19268929
- Romualdi D, De Cicco S, Tagliaferri V, Proto C, Lanzone A, Guido M. The metabolic status modulates the effect of metformin on the antimullerian hormone-androgens-insulin interplay in obese women with polycystic ovary syndrome.

J Clin Endocrinol Metab. 2011 May;96(5):E821-4.  
Available from: PubMed; PMID 21307134

Rosenfield RL. Does a primary acceleration of LH pulse frequency underlie an association between central precocious puberty and polycystic ovary syndrome? Commentary on Escobar ME et al: Acceleration of LH pulse frequency in adolescent girls with a history of central precocious puberty with versus without hyperandrogenism (Horm Res 2007;68:278-285). Horm Res. 2007;68(6):286-7. Available from: PubMed; PMID 17587858

Rosenfield RL, Mortensen M, Wroblewski K, Littlejohn E, Ehrmann DA. Determination of the source of androgen excess in functionally atypical polycystic ovary syndrome by a short dexamethasone androgen-suppression test and a low-dose ACTH test. Hum Reprod. 2011 Nov;26(11):3138-46. Available from: PubMed; PMID 21908468

Rowe T. Clomiphene citrate: an old favourite lives on. J Obstet Gynaecol Can. 2007 Aug;29(8):617-21. Available from: PubMed; PMID 17714613

Sabuncu T, Harma M, Harma M, Nazligul Y, Kilic F. Sibutramine has a positive effect on clinical and metabolic parameters in obese patients with polycystic ovary syndrome. Fertil Steril. 2003 Nov;80(5):1199-204. Available from: PubMed; PMID 14607575

Sahin I, Serter R, Karakurt F, Demirbas B, Culha C, Taskapan C, Kosar F, Aral Y. Metformin versus flutamide in the treatment of metabolic consequences of non-obese young women with polycystic ovary syndrome: a randomized prospective study. Gynecol Endocrinol. 2004 Sep;19(3):115-24. Available from: PubMed; PMID 15697072

Sahin Y, Yirmibes U, Kelestimur F, Aygen E. The effects of metformin on insulin resistance, clomiphene-induced ovulation and pregnancy rates in women with polycystic ovary syndrome. Eur J Obstet Gynecol Reprod Biol. 2004 Apr 15;113(2):214-20. Available from: PubMed; PMID 15063963

Sahin Y, Unluhizarci K, Yilmazsoy A, Yikilmaz A, Aygen E, Kelestimur F. The effects of metformin on metabolic and cardiovascular risk factors in nonobese women with polycystic ovary syndrome. Clin Endocrinol (Oxf). 2007 Dec;67(6):904-8. Available from: PubMed; PMID 17666089

Saleh A, Morris D, Tan SL, Tulandi T. Effects of laparoscopic ovarian drilling on adrenal steroids in polycystic ovary syndrome patients with and without hyperinsulinemia. Fertil Steril. 2001 Mar;75(3):501-4. Available from: PubMed; PMID 11239531

Saleh AM, Khalil HS. Review of nonsurgical and surgical treatment and the role of insulin-sensitizing agents in the management of infertile women with polycystic ovary syndrome. Acta Obstet Gynecol Scand. 2004 Jul;83(7):614-21. Available from: PubMed; PMID 15225184

Salehpour S, Sene AA, Saharkhiz N, Sohrabi MR, Moghimian F. N-Acetylcysteine as an adjuvant to clomiphene citrate for successful induction of ovulation in infertile patients with polycystic ovary syndrome. J Obstet Gynaecol Res. 2012 Sep;38(9):1182-6. Available from: PubMed; PMID 22540635

Salley KE, Wickham EP, Cheang KI, Essah PA, Karjane NW, Nestler JE. Glucose intolerance in polycystic ovary syndrome--a position statement of the Androgen Excess Society. J Clin Endocrinol Metab. 2007 Dec;92(12):4546-56. Available from: PubMed; PMID 18056778

Salvesen KA, Vanky E, Carlsen SM. Metformin treatment in pregnant women with polycystic ovary syndrome--is reduced complication rate mediated by changes in the uteroplacental circulation? Ultrasound Obstet Gynecol. 2007 Apr;29(4):433-7. Available from: PubMed; PMID 17330831

Samraj GP, Kuritzky L. Polycystic ovary syndrome [PCOS]: comprehensive management in primary care. Compr Ther. 2002 Fall;28(3):208-21. Available from: PubMed; PMID 12360633

Samy N, Hashim M, Sayed M, Said M. Clinical significance of inflammatory markers in polycystic ovary syndrome: their relationship to insulin resistance and body mass index. Dis Markers. 2009;26(4):163-70. Available from: PubMed; PMID 19729797

Sanchez LA, Perez M, Centeno I, David M, Kahi D, Gutierrez E. Determining the time androgens and sex hormone-binding globulin take to return to baseline after discontinuation of oral contraceptives in women with polycystic ovary syndrome: a prospective study. Fertil Steril. 2007 Mar;87(3):712-4. Available from: PubMed; PMID 17118366

Sander VA, Hapon MB, Sicaro L, Lombardi EP, Jahn GA, Motta AB. Alterations of folliculogenesis in women with polycystic ovary syndrome. J Steroid Biochem Mol Biol. 2011 Mar;124(1-2):58-64. Available from: PubMed; PMID 21262361

Santana LF, de Sa MF, Ferriani RA, de Moura MD, Foss MC, dos Reis RM. Effect of metformin on the clinical and metabolic assessment of women with polycystic ovary syndrome. Gynecol Endocrinol. 2004 Aug;19(2):88-96. Available from: PubMed; PMID 15624270

Sasaki A, Emi Y, Matsuda M, Sharula, Kamada Y, Chekir C, Hiramatsu Y, Nakatsuka M. Increased arterial stiffness in mildly-hypertensive women with polycystic ovary syndrome. J Obstet Gynaecol Res. 2011 May;37(5):402-11. Available from: PubMed; PMID 21314808

Sastre ME, Prat MO, Checa MA, Carreras RC. Current trends in the treatment of polycystic ovary syndrome with desire for children. Ther Clin Risk Manag. 2009

Apr;5(2):353-60. Available from: PubMed; PMID 19536311

Sathyapalan T, Cho LW, Kilpatrick ES, Coady AM, Atkin SL. A comparison between rimonabant and metformin in reducing biochemical hyperandrogenaemia and insulin resistance in patients with polycystic ovary syndrome (PCOS): a randomized open-label parallel study. *Clin Endocrinol (Oxf)*. 2008 Dec;69(6):931-5. Available from: PubMed; PMID 18410553

Sathyapalan T, Cho LW, Kilpatrick ES, Coady AM, Atkin SL. Metformin maintains the weight loss and metabolic benefits following rimonabant treatment in obese women with polycystic ovary syndrome (PCOS). *Clin Endocrinol (Oxf)*. 2009 Jan;70(1):124-8. Available from: PubMed; PMID 19128368

Sathyapalan T, Cho L, Kilpatrick ES, Le Roux CW, Coady AM, Atkin SL. Effect of rimonabant and metformin on glucose-dependent insulinotropic polypeptide and glucagon-like peptide-1 in obese women with polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2010 Mar;72(3):423-5. Available from: PubMed; PMID 19489873

Sathyapalan T, Smith KA, Coady AM, Kilpatrick ES, Atkin SL. Atorvastatin therapy decreases androstenedione and dehydroepiandrosterone sulphate concentrations in patients with polycystic ovary syndrome: randomized controlled study. *Ann Clin Biochem*. 2012 Jan;49(Pt 1):80-5. Available from: PubMed; PMID 21972424

Savaris RF, Groll JM, Young SL, DeMayo FJ, Jeong JW, Hamilton AE, Giudice LC, Lessey BA. Progesterone resistance in PCOS endometrium: a microarray analysis in clomiphene citrate-treated and artificial menstrual cycles. *J Clin Endocrinol Metab*. 2011 Jun;96(6):1737-46. Available from: PubMed; PMID 21411543

Savastano S, Valentino R, Pizza G, De Rosa A, Orio F, Passaretti F, Formisano P, Lombardi G, Beguinot F, Colao A. Preliminary data on effects of metformin on PED/PEA-15 cellular levels in obese women with polycystic ovary syndrome. *J Endocrinol Invest*. 2010 Jul-Aug;33(7):446-50. Available from: PubMed; PMID 20671408

Saxena R, Welt CK. Polycystic ovary syndrome is not associated with genetic variants that mark risk of type 2 diabetes. *Acta Diabetol*. 2012 Mar 3. Available from: PubMed; PMID 22389004

Scarpitta AM, Sinagra D. Polycystic ovary syndrome: an endocrine and metabolic disease. *Gynecol Endocrinol*. 2000 Oct;14(5):392-5. Available from: PubMed; PMID 11109980

Schachter M, Raziell A, Strassburger D, Rotem C, Ron-El R, Friedler S. Prospective, randomized trial of metformin and vitamins for the reduction of plasma homocysteine in insulin-resistant polycystic ovary syndrome. *Fertil Steril*.

2007 Jul;88(1):227-30. Available from: PubMed; PMID 17336970

Schmidt J, Brannstrom M, Landin-Wilhelmsen K, Dahlgren E. Reproductive hormone levels and anthropometry in postmenopausal women with polycystic ovary syndrome (PCOS): a 21-year follow-up study of women diagnosed with PCOS around 50 years ago and their age-matched controls. *J Clin Endocrinol Metab*. 2011 Jul;96(7):2178-85. Available from: PubMed; PMID 21508129

Schofl C, Horn R, Schill T, Schlosser HW, Muller MJ, Brabant G. Circulating ghrelin levels in patients with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 Oct;87(10):4607-10. Available from: PubMed; PMID 12364442

Schroder AK, Tauchert S, Ortmann O, Diedrich K, Weiss JM. Insulin resistance in patients with polycystic ovary syndrome. *Ann Med*. 2004;36(6):426-39. Available from: PubMed; PMID 15513294

Schroeder BM. ACOG releases guidelines on diagnosis and management of polycystic ovary syndrome. *Am Fam Physician*. 2003 Apr 1;67(7):1619-20, 22. Available from: PubMed; PMID 12722867

Seale FG, Robinson RD, Neal GS. Association of metformin and pregnancy in the polycystic ovary syndrome. A report of three cases. *J Reprod Med*. 2000 Jun;45(6):507-10. Available from: PubMed; PMID 10900588

Seibel SA, Chou KH, Capp E, Spritzer PM, von Eye Corleta H. Effect of metformin on IGF-1 and IGFBP-1 levels in obese patients with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2008 May;138(1):122-4. Available from: PubMed; PMID 17350746

Selimoglu H, Duran C, Kiyici S, Ersoy C, Guclu M, Ozkaya G, Tuncel E, Erturk E, Imamoglu S. The effect of vitamin D replacement therapy on insulin resistance and androgen levels in women with polycystic ovary syndrome. *J Endocrinol Invest*. 2010 Apr;33(4):234-8. Available from: PubMed; PMID 19820295

Sengos C, Andreacos C, Iatrakis G. Sonographic parameters and hormonal status in lean and obese women with polycystic ovary syndrome. *Clin Exp Obstet Gynecol*. 2000;27(1):35-8. Available from: PubMed; PMID 10758797

Seow KM, Juan CC, Ho LT, Hsu YP, Lin YH, Huang LW, Hwang JL. Adipocyte resistin mRNA levels are down-regulated by laparoscopic ovarian electrocautery in both obese and lean women with polycystic ovary syndrome. *Hum Reprod*. 2007 Apr;22(4):1100-6. Available from: PubMed; PMID 17208941

Seow KM, Juan CC, Hsu YP, Hwang JL, Huang LW, Ho LT. Amelioration of insulin resistance in women with

PCOS via reduced insulin receptor substrate-1 Ser312 phosphorylation following laparoscopic ovarian electrocautery. *Hum Reprod.* 2007 Apr;22(4):1003-10. Available from: PubMed; PMID 17204522

Seow KM, Juan CC, Hwang JL, Ho LT. Laparoscopic surgery in polycystic ovary syndrome: reproductive and metabolic effects. *Semin Reprod Med.* 2008 Jan;26(1):101-10. Available from: PubMed; PMID 18181088

Sepilian V, Nagamani M. Effects of rosiglitazone in obese women with polycystic ovary syndrome and severe insulin resistance. *J Clin Endocrinol Metab.* 2005 Jan;90(1):60-5. Available from: PubMed; PMID 15483106

Shah B, Golden E, Milla S. Unilateral ovarian enlargement in adolescents with polycystic ovary syndrome: a variant of bilateral disease. *J Pediatr Endocrinol Metab.* 2010 Jan-Feb;23(1-2):87-95. Available from: PubMed; PMID 20432811

Shaker M, Mashhadani ZI, Mehdi AA. Effect of Treatment with Metformin on Omentin-1, Ghrelin and other Biochemical, Clinical Features in PCOS Patients. *Oman Med J.* 2010 Oct;25(4):289-93. Available from: PubMed; PMID 22043360

Sharma ST, Nestler JE. Prevention of diabetes and cardiovascular disease in women with PCOS: treatment with insulin sensitizers. *Best Pract Res Clin Endocrinol Metab.* 2006 Jun;20(2):245-60. Available from: PubMed; PMID 16772155

Sharma ST, Wickham EP, 3rd, Nestler JE. Changes in glucose tolerance with metformin treatment in polycystic ovary syndrome: a retrospective analysis. *Endocr Pract.* 2007 Jul-Aug;13(4):373-9. Available from: PubMed; PMID 17669713

Sharma A, Walker DM, Atiomo W. National survey on management of weight reduction in PCOS women in the United Kingdom. *Eur J Obstet Gynecol Reprod Biol.* 2010 Oct;152(2):181-5. Available from: PubMed; PMID 20674135

Sharquie KE, Al-Bayatti AA, Al-Ajeel AI, Al-Bahar AJ, Al-Nuaimy AA. Free testosterone, luteinizing hormone/follicle stimulating hormone ratio and pelvic sonography in relation to skin manifestations in patients with polycystic ovary syndrome. *Saudi Med J.* 2007 Jul;28(7):1039-43. Available from: PubMed; PMID 17603706

Sheehan MT. Polycystic ovarian syndrome: diagnosis and management. *Clin Med Res.* 2004 Feb;2(1):13-27. Available from: PubMed; PMID 15931331

Shi Y, Guo M, Yan J, Sun W, Zhang X, Geng L, Xu L, Chen Z. Analysis of clinical characteristics in large-scale Chinese women with polycystic ovary syndrome. *Neuro Endocrinol Lett.* 2007 Dec;28(6):807-10. Available from: PubMed; PMID 18063948

Shi Y, Gao X, Sun X, Zhang P, Chen Z. Clinical and metabolic characteristics of polycystic ovary syndrome without polycystic ovary: a pilot study on Chinese women. *Fertil Steril.* 2008 Oct;90(4):1139-43. Available from: PubMed; PMID 17889857

Shi D, Vine DF. Animal models of polycystic ovary syndrome: a focused review of rodent models in relationship to clinical phenotypes and cardiometabolic risk. *Fertil Steril.* 2012 Jul;98(1):185-93. Available from: PubMed; PMID 22607890

Shibahara H, Kikuchi K, Hirano Y, Suzuki T, Takamizawa S, Suzuki M. Increase of multiple pregnancies caused by ovulation induction with gonadotropin in combination with metformin in infertile women with polycystic ovary syndrome. *Fertil Steril.* 2007 Jun;87(6):1487-90. Available from: PubMed; PMID 17254579

Shobokshi A, Shaarawy M. Correction of insulin resistance and hyperandrogenism in polycystic ovary syndrome by combined rosiglitazone and clomiphene citrate therapy. *J Soc Gynecol Investig.* 2003 Feb;10(2):99-104. Available from: PubMed; PMID 12593999

Shokeir T, El-Kannishy G. Rosiglitazone as treatment for clomiphene citrate-resistant polycystic ovary syndrome: factors associated with clinical response. *J Womens Health (Larchmt).* 2008 Nov;17(9):1445-52. Available from: PubMed; PMID 18973428

Shokeir T. Laparoscopic ovarian diathermy after clomiphene failure in polycystic ovary syndrome: is it worthwhile? A randomized controlled trial. *Arch Gynecol Obstet.* 2011 Dec;284(6):1593. Available from: PubMed; PMID 21842175

Siebert TI, Kruger TF, Steyn DW, Nosarka S. Is the addition of metformin efficacious in the treatment of clomiphene citrate-resistant patients with polycystic ovary syndrome? A structured literature review. *Fertil Steril.* 2006 Nov;86(5):1432-7. Available from: PubMed; PMID 17007847

Siebert TI, Viola MI, Steyn DW, Kruger TF. Is metformin indicated as primary ovulation induction agent in women with PCOS? A systematic review and meta-analysis. *Gynecol Obstet Invest.* 2012;73(4):304-13. Available from: PubMed; PMID 22516925

Sikka P, Gainder S, Dhaliwal LK, Bagga R, Sialy R, Sahdev S. Ultrasonography of the ovaries and its correlation with clinical and endocrine parameters in infertile women with PCOS. *Int J Fertil Womens Med.* 2007 Jan-Feb;52(1):41-7. Available from: PubMed; PMID 17987887

Silfen ME, Denburg MR, Manibo AM, Lobo RA, Jaffe R, Ferin M, Levine LS, Oberfield SE. Early endocrine, metabolic, and sonographic characteristics of polycystic ovary syndrome (PCOS): comparison between nonobese

and obese adolescents. *J Clin Endocrinol Metab.* 2003 Oct;88(10):4682-8. Available from: PubMed; PMID 14557441

Sills ES, Perloe M, Palermo GD. Correction of hyperinsulinemia in oligoovulatory women with clomiphene-resistant polycystic ovary syndrome: a review of therapeutic rationale and reproductive outcomes. *Eur J Obstet Gynecol Reprod Biol.* 2000 Aug;91(2):135-41. Available from: PubMed; PMID 10869785

Simoni M, Tempfer CB, Destenaves B, Fauser BC. Functional genetic polymorphisms and female reproductive disorders: Part I: Polycystic ovary syndrome and ovarian response. *Hum Reprod Update.* 2008 Sep-Oct;14(5):459-84. Available from: PubMed; PMID 18603647

Sir-Petermann T, Codner E, Perez V, Echiburu B, Maliqueo M, Ladron de Guevara A, Preisler J, Crisosto N, Sanchez F, Cassorla F, Bhasin S. Metabolic and reproductive features before and during puberty in daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Jun;94(6):1923-30. Available from: PubMed; PMID 19223518

Skalba P, Cygal A, Madej P, Dabkowska-Huc A, Sikora J, Martirosian G, Romanik M, Olszanecka-Glinianowicz M. Is the plasma anti-Mullerian hormone (AMH) level associated with body weight and metabolic, and hormonal disturbances in women with and without polycystic ovary syndrome? *Eur J Obstet Gynecol Reprod Biol.* 2011 Oct;158(2):254-9. Available from: PubMed; PMID 21752527

Skampardonis N, Kouskoukis A, Karpouzis A, Maroulis G. Marked hyperandrogenemia and acne associated with polycystic ovaries in Greek women with polycystic ovary syndrome. *Clin Exp Obstet Gynecol.* 2011;38(2):168-71. Available from: PubMed; PMID 21793282

Slopien R, Lewandowski K, Kolacz E, Zawilska K, Warenik-Szymankiewicz A. Comparison of fibrinolytic and metabolic system parameters in obese patients with polycystic ovary syndrome and women with simple obesity. *Gynecol Endocrinol.* 2006 Nov;22(11):651-4. Available from: PubMed; PMID 17145652

Smith JW, Taylor JS. Polycystic ovary syndrome: evidence-based strategies for managing symptoms and preventing long-term sequelae. *Nurs Womens Health.* 2011 Oct-Nov;15(5):402-10; quiz 11. Available from: PubMed; PMID 22900653

Soares GM, Vieira CS, de Paula Martins W, Dos Reis RM, de Sa MF, Ferriani RA. Metabolic and cardiovascular impact of oral contraceptives in polycystic ovary syndrome. *Int J Clin Pract.* 2009 Jan;63(1):160-9. Available from: PubMed; PMID 18795969

Sohrabvand F, Ansari S, Bagheri M. Efficacy of combined metformin-letrozole in comparison with metformin-clomiphene citrate in clomiphene-resistant infertile women

with polycystic ovarian disease. *Hum Reprod.* 2006 Jun;21(6):1432-5. Available from: PubMed; PMID 16478764

Sokalska A, Piotrowski PC, Rzepczynska IJ, Cress A, Duleba AJ. Statins inhibit growth of human theca-interstitial cells in PCOS and non-PCOS tissues independently of cholesterol availability. *J Clin Endocrinol Metab.* 2010 Dec;95(12):5390-4. Available from: PubMed; PMID 20826585

Solano ME, Sander VA, Ho H, Motta AB, Arck PC. Systemic inflammation, cellular influx and up-regulation of ovarian VCAM-1 expression in a mouse model of polycystic ovary syndrome (PCOS). *J Reprod Immunol.* 2011 Dec;92(1-2):33-44. Available from: PubMed; PMID 22018827

Son WY, Yoon SH, Lee SW, Ko Y, Yoon HG, Lim JH. Blastocyst development and pregnancies after IVF of mature oocytes retrieved from unstimulated patients with PCOS after in-vivo HCG priming. *Hum Reprod.* 2002 Jan;17(1):134-6. Available from: PubMed; PMID 11756376

Sova H, Puistola U, Morin-Papunen L, Karihtala P. Metformin decreases serum 8-hydroxy-2'-deoxyguanosine levels in polycystic ovary syndrome. *Fertil Steril.* 2012 Oct 31. Available from: PubMed; PMID 23122829

Spranger J, Mohlig M, Wegewitz U, Ristow M, Pfeiffer AF, Schill T, Schlosser HW, Brabant G, Schoffl C. Adiponectin is independently associated with insulin sensitivity in women with polycystic ovary syndrome. *Clin Endocrinol (Oxf).* 2004 Dec;61(6):738-46. Available from: PubMed; PMID 15579189

Spritzer PM, Poy M, Wiltgen D, Mylius LS, Capp E. Leptin concentrations in hirsute women with polycystic ovary syndrome or idiopathic hirsutism: influence on LH and relationship with hormonal, metabolic, and anthropometric measurements. *Hum Reprod.* 2001 Jul;16(7):1340-6. Available from: PubMed; PMID 11425810

Spritzer PM, Comim FV, Capp E, D'Avila A. Influence of leptin, androgens and insulin sensitivity on increased GH response to clonidine in lean patients with polycystic ovary syndrome. *Horm Metab Res.* 2005 Feb;37(2):94-8. Available from: PubMed; PMID 15778926

Stachenfeld NS, Yeckel CW, Taylor HS. Greater exercise sweating in obese women with polycystic ovary syndrome compared with obese controls. *Med Sci Sports Exerc.* 2010 Sep;42(9):1660-8. Available from: PubMed; PMID 20195177

Stadtmauer LA, Wong BC, Oehninger S. Should patients with polycystic ovary syndrome be treated with metformin? Benefits of insulin sensitizing drugs in polycystic ovary syndrome--beyond ovulation induction. *Hum Reprod.* 2002



Dec;17(12):3016-26. Available from: PubMed; PMID 12456596

Stadtmauer L, Oehninger S. Management of infertility in women with polycystic ovary syndrome : a practical guide. *Treat Endocrinol.* 2005;4(5):279-92. Available from: PubMed; PMID 16185097

Stadtmauer LA, Sarhan A, Duran EH, Beydoun H, Bocca S, Pultz B, Oehninger S. The impact of a gonadotropin-releasing hormone antagonist on gonadotropin ovulation induction cycles in women with polycystic ovary syndrome: a prospective randomized study. *Fertil Steril.* 2011 Jan;95(1):216-20. Available from: PubMed; PMID 20594551

Stamets K, Taylor DS, Kunselman A, Demers LM, Pelkman CL, Legro RS. A randomized trial of the effects of two types of short-term hypocaloric diets on weight loss in women with polycystic ovary syndrome. *Fertil Steril.* 2004 Mar;81(3):630-7. Available from: PubMed; PMID 15037413

Stankiewicz M, Norman R. Diagnosis and management of polycystic ovary syndrome: a practical guide. *Drugs.* 2006;66(7):903-12. Available from: PubMed; PMID 16740005

Stanley T, Misra M. Polycystic ovary syndrome in obese adolescents. *Curr Opin Endocrinol Diabetes Obes.* 2008 Feb;15(1):30-6. Available from: PubMed; PMID 18185060

Starka L, Duskova M, Cermakova I, Vrbikova J, Hill M. Premature androgenic alopecia and insulin resistance. Male equivalent of polycystic ovary syndrome? *Endocr Regul.* 2005 Dec;39(4):127-31. Available from: PubMed; PMID 16552990

Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental programming: excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity--implication for polycystic ovary syndrome. *Endocrinology.* 2009 Mar;150(3):1456-65. Available from: PubMed; PMID 18974266

Stegmann BJ, Craig HR, Bay RC, Coonrod DV, Brady MJ, Garbacia JA, Jr. Characteristics predictive of response to ovarian diathermy in women with polycystic ovarian syndrome. *Am J Obstet Gynecol.* 2003 May;188(5):1171-3. Available from: PubMed; PMID 12748468

Steiner CA, Janez A, Jensterle M, Reisinger K, Forst T, Plutzner A. Impact of treatment with rosiglitazone or metformin on biomarkers for insulin resistance and metabolic syndrome in patients with polycystic ovary syndrome. *J Diabetes Sci Technol.* 2007 Mar;1(2):211-7. Available from: PubMed; PMID 19888409

Stener-Victorin E, Baghaei F, Holm G, Janson PO, Olivecrona G, Lonn M, Manneras-Holm L. Effects of acupuncture and exercise on insulin sensitivity, adipose tissue characteristics, and markers of coagulation and

fibrinolysis in women with polycystic ovary syndrome: secondary analyses of a randomized controlled trial. *Fertil Steril.* 2012 Feb;97(2):501-8. Available from: PubMed; PMID 22154367

Stephenson T, Stewart G. PCOS: clinical presentation guides treatment of this multifaceted disease. *JAAPA.* 2010 Oct;23(10):20-4. Available from: PubMed; PMID 21128379

Stout DL, Fugate SE. Thiazolidinediones for treatment of polycystic ovary syndrome. *Pharmacotherapy.* 2005 Feb;25(2):244-52. Available from: PubMed; PMID 15767238

Strowitzki T, Capp E, von Eye Corleta H. The degree of cycle irregularity correlates with the grade of endocrine and metabolic disorders in PCOS patients. *Eur J Obstet Gynecol Reprod Biol.* 2010 Apr;149(2):178-81. Available from: PubMed; PMID 20097466

Studen KB, Sebestjen M, Pfeifer M, Prezelj J. Influence of spironolactone treatment on endothelial function in non-obese women with polycystic ovary syndrome. *Eur J Endocrinol.* 2011 Mar;164(3):389-95. Available from: PubMed; PMID 21156647

Su HY, Ding DC, Chen DC, Hwang KS, Ko CS. Laparoscopic ovarian drilling with diathermy in the treatment of infertile women with polycystic ovaries. *J Chin Med Assoc.* 2003 Aug;66(8):492-6. Available from: PubMed; PMID 14604314

Su HW, Chen CM, Chou SY, Liang SJ, Hsu CS, Hsu MI. Polycystic ovary syndrome or hyperprolactinaemia: a study of mild hyperprolactinaemia. *Gynecol Endocrinol.* 2011 Jan;27(1):55-62. Available from: PubMed; PMID 20504100

Sugaya S, Honma R. A case of polycystic ovary syndrome conceived by intracytoplasmic sperm injection following laparoscopic ovarian drilling. *Clin Exp Obstet Gynecol.* 2012;39(2):236-8. Available from: PubMed; PMID 22905473

Sugiura-Ogasawara M, Sato T, Suzumori N, Kitaori T, Kumagai K, Ozaki Y. The polycystic ovary syndrome does not predict further miscarriage in Japanese couples experiencing recurrent miscarriages. *Am J Reprod Immunol.* 2009 Jan;61(1):62-7. Available from: PubMed; PMID 19086993

Sukcharoen N. Management of anovulatory infertility associated with polycystic ovary syndrome (PCOS). *J Med Assoc Thai.* 2004 Oct;87 Suppl 3:S182-8. Available from: PubMed; PMID 21213521

Sun J, Fan H, Che Y, Cao Y, Wu X, Sun HX, Liang F, Yi L, Wang Y. Association between ACE gene I/D polymorphisms and hyperandrogenism in women with polycystic ovary syndrome (PCOS) and controls. *BMC*

- Med Genet. 2009;10:64. Available from: PubMed; PMID 19602270
- Suzuki A, Abdelmalek MF. Nonalcoholic fatty liver disease in women. *Womens Health (Lond Engl)*. 2009 Mar;5(2):191-203. Available from: PubMed; PMID 19245356
- Svendsen PF, Nilas L, Madsbad S, Holst JJ. Incretin hormone secretion in women with polycystic ovary syndrome: roles of obesity, insulin sensitivity, and treatment with metformin. *Metabolism*. 2009 May;58(5):586-93. Available from: PubMed; PMID 19375579
- Swanton A, Storey L, McVeigh E, Child T. IVF outcome in women with PCOS, PCO and normal ovarian morphology. *Eur J Obstet Gynecol Reprod Biol*. 2010 Mar;149(1):68-71. Available from: PubMed; PMID 20022685
- Szilagy A, Szabo I. Endocrine characteristics of polycystic ovary syndrome (PCOS). *Indian J Exp Biol*. 2003 Jul;41(7):694-700. Available from: PubMed; PMID 15255372
- Takeuchi S, Futamura N, Takubo S, Noda N, Minoura H, Toyoda N. Polycystic ovary syndrome treated with laparoscopic ovarian drilling with a harmonic scalpel. A prospective, randomized study. *J Reprod Med*. 2002 Oct;47(10):816-20. Available from: PubMed; PMID 12418063
- Takeuchi T, Tsutsumi O, Taketani Y. Impaired growth hormone secretion after glucose loading in non-obese women with polycystic ovary syndrome, possibly related to androgen but not insulin and free fatty acids. *Gynecol Endocrinol*. 2007;23(8):468-73. Available from: PubMed; PMID 17852425
- Takeuchi T, Tsutsumi O, Taketani Y. Abnormal response of insulin to glucose loading and assessment of insulin resistance in non-obese patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Jul;24(7):385-91. Available from: PubMed; PMID 18645711
- Talbott EO, Zborowski JV, Rager JR, Kip KE, Xu X, Orchard TJ. Polycystic ovarian syndrome (PCOS): a significant contributor to the overall burden of type 2 diabetes in women. *J Womens Health (Larchmt)*. 2007 Mar;16(2):191-7. Available from: PubMed; PMID 17388735
- Tan S, Hahn S, Benson S, Dietz T, Lahner H, Moeller LC, Schmidt M, Elsenbruch S, Kimmig R, Mann K, Janssen OE. Metformin improves polycystic ovary syndrome symptoms irrespective of pre-treatment insulin resistance. *Eur J Endocrinol*. 2007 Nov;157(5):669-76. Available from: PubMed; PMID 17984248
- Tan BK, Heutling D, Chen J, Farhatullah S, Adya R, Keay SD, Kennedy CR, Lehnert H, Randeve HS. Metformin decreases the adipokine vaspin in overweight women with polycystic ovary syndrome concomitant with improvement in insulin sensitivity and a decrease in insulin resistance. *Diabetes*. 2008 Jun;57(6):1501-7. Available from: PubMed; PMID 18375437
- Tan BK, Adya R, Chen J, Farhatullah S, Heutling D, Mitchell D, Lehnert H, Randeve HS. Metformin decreases angiogenesis via NF-kappaB and Erk1/2/Erk5 pathways by increasing the antiangiogenic thrombospondin-1. *Cardiovasc Res*. 2009 Aug 1;83(3):566-74. Available from: PubMed; PMID 19414528
- Tan BK, Adya R, Farhatullah S, Chen J, Lehnert H, Randeve HS. Metformin treatment may increase omentin-1 levels in women with polycystic ovary syndrome. *Diabetes*. 2010 Dec;59(12):3023-31. Available from: PubMed; PMID 20852028
- Tan BK, Adya R, Shan X, Aghilla M, Lehnert H, Keay SD, Randeve HS. The anti-atherogenic aspect of metformin treatment in insulin resistant women with the polycystic ovary syndrome: role of the newly established pro-inflammatory adipokine Acute-phase Serum Amyloid A; evidence of an adipose tissue-monocyte axis. *Atherosclerosis*. 2011 Jun;216(2):402-8. Available from: PubMed; PMID 20869715
- Tan BK, Chen J, Adya R, Randeve HS. Phosphoprotein enriched in diabetes gene product (Ped/pea-15) is increased in omental adipose tissue of women with the polycystic ovary syndrome: ex vivo regulation of ped/pea-15 by glucose, insulin and metformin. *Diabetes Obes Metab*. 2011 Feb;13(2):181-4. Available from: PubMed; PMID 21199270
- Tang T, Glanville J, Hayden CJ, White D, Barth JH, Balen AH. Combined lifestyle modification and metformin in obese patients with polycystic ovary syndrome. A randomized, placebo-controlled, double-blind multicentre study. *Hum Reprod*. 2006 Jan;21(1):80-9. Available from: PubMed; PMID 16199429
- Tang T, Balen AH. A woman with polycystic ovary syndrome treated for infertility by in vitro fertilization. *Nat Rev Endocrinol*. 2009 Aug;5(8):462-5. Available from: PubMed; PMID 19629068
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev*. 2009 (4):CD003053. Available from: PubMed; PMID 19821299
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. WITHDRAWN: Insulin-sensitising drugs for polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2009 (3):CD003053. Available from: PubMed; PMID 19588338
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic

- ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev.* 2010 (1):CD003053. Available from: PubMed; PMID 20091537
- Tang T, Lord JM, Norman RJ, Yasmin E, Balen AH. Insulin-sensitising drugs (metformin, rosiglitazone, pioglitazone, D-chiro-inositol) for women with polycystic ovary syndrome, oligo amenorrhoea and subfertility. *Cochrane Database Syst Rev.* 2012;5:CD003053. Available from: PubMed; PMID 22592687
- Tang XH, Cao YL, Yang ZX, Zhao FX. Reproductive traits of polycystic ovary syndrome in female rhesus monkeys. *Dongwuxue Yanjiu.* 2012 Feb;33(1):37-42. Available from: PubMed; PMID 22345006
- Targher G, Lippi G, Moghetti P. Metformin in polycystic ovary syndrome. *N Engl J Med.* 2008 Apr 24;358(17):1867; author reply 8. Available from: PubMed; PMID 18437728
- Tarkun I, Canturk Z, Arslan BC, Turemen E, Tarkun P. The plasminogen activator system in young and lean women with polycystic ovary syndrome. *Endocr J.* 2004 Oct;51(5):467-72. Available from: PubMed; PMID 15516780
- Tarkun I, Cetinarlan B, Turemen E, Sahin T, Canturk Z, Komsuoglu B. Effect of rosiglitazone on insulin resistance, C-reactive protein and endothelial function in non-obese young women with polycystic ovary syndrome. *Eur J Endocrinol.* 2005 Jul;153(1):115-21. Available from: PubMed; PMID 15994753
- Tarkun I, Cetinarlan B, Turemen E, Canturk Z, Biyikli M. Association between Circulating Tumor Necrosis Factor-Alpha, Interleukin-6, and Insulin Resistance in Normal-Weight Women with Polycystic Ovary Syndrome. *Metab Syndr Relat Disord.* 2006 Summer;4(2):122-8. Available from: PubMed; PMID 18370758
- Tarkun I, Dikmen E, Cetinarlan B, Canturk Z. Impact of treatment with metformin on adipokines in patients with polycystic ovary syndrome. *Eur Cytokine Netw.* 2010 Dec;21(4):272-7. Available from: PubMed; PMID 21126943
- Tartagni M, Cicinelli E, De Pergola G, Lavopa C, Di Naro E, De Salvia MA, Loverro G. Effect of finasteride on ovulation induction in nonresponder (hyperandrogenic) polycystic ovary syndrome (PCOS) women. *Fertil Steril.* 2010 Jun;94(1):247-9. Available from: PubMed; PMID 19342023
- Taylor AE. Insulin-lowering medications in polycystic ovary syndrome. *Obstet Gynecol Clin North Am.* 2000 Sep;27(3):583-95. Available from: PubMed; PMID 10958005
- Teede HJ, Meyer C, Norman RJ. Insulin-sensitisers in the treatment of polycystic ovary syndrome. *Expert Opin Pharmacother.* 2005 Nov;6(14):2419-27. Available from: PubMed; PMID 16259573
- Teede HJ, Hutchison SK, Zoungas S. The management of insulin resistance in polycystic ovary syndrome. *Trends Endocrinol Metab.* 2007 Sep;18(7):273-9. Available from: PubMed; PMID 17698366
- Teede H, Deeks A, Moran L. Polycystic ovary syndrome: a complex condition with psychological, reproductive and metabolic manifestations that impacts on health across the lifespan. *BMC Med.* 2010;8:41. Available from: PubMed; PMID 20591140
- Teede HJ, Meyer C, Hutchison SK, Zoungas S, McGrath BP, Moran LJ. Endothelial function and insulin resistance in polycystic ovary syndrome: the effects of medical therapy. *Fertil Steril.* 2010 Jan;93(1):184-91. Available from: PubMed; PMID 19019358
- Tehranejad ES, Nasiri R, Rashidi B, Haghollahi F, Ataie M. Comparison of GnRH antagonist with long GnRH agonist protocol after OCP pretreatment in PCOs patients. *Arch Gynecol Obstet.* 2010 Sep;282(3):319-25. Available from: PubMed; PMID 20379731
- Telli MH, Yildirim M, Noyan V. Serum leptin levels in patients with polycystic ovary syndrome. *Fertil Steril.* 2002 May;77(5):932-5. Available from: PubMed; PMID 12009346
- Tena G, Moran C, Romero R, Moran S. Ovarian morphology and endocrine function in polycystic ovary syndrome. *Arch Gynecol Obstet.* 2011 Dec;284(6):1443-8. Available from: PubMed; PMID 21243502
- Tfayli H, Ulnach JW, Lee S, Sutton-Tyrrell K, Arslanian S. Drospirenone/ethinyl estradiol versus rosiglitazone treatment in overweight adolescents with polycystic ovary syndrome: comparison of metabolic, hormonal, and cardiovascular risk factors. *J Clin Endocrinol Metab.* 2011 May;96(5):1311-9. Available from: PubMed; PMID 21325466
- Thatcher SS, Jackson EM. Pregnancy outcome in infertile patients with polycystic ovary syndrome who were treated with metformin. *Fertil Steril.* 2006 Apr;85(4):1002-9. Available from: PubMed; PMID 16580387
- Thomson RL, Buckley JD, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. The effect of a hypocaloric diet with and without exercise training on body composition, cardiometabolic risk profile, and reproductive function in overweight and obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3373-80. Available from: PubMed; PMID 18583464
- Thomson RL, Buckley JD, Moran LJ, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Comparison of aerobic exercise capacity and muscle strength in overweight women with and without polycystic ovary syndrome.

BJOG. 2009 Aug;116(9):1242-50. Available from: PubMed; PMID 19438498

Thomson RL, Buckley JD, Lim SS, Noakes M, Clifton PM, Norman RJ, Brinkworth GD. Lifestyle management improves quality of life and depression in overweight and obese women with polycystic ovary syndrome. *Fertil Steril*. 2010 Oct;94(5):1812-6. Available from: PubMed; PMID 20004371

Thomson RL, Brinkworth GD, Noakes M, Clifton PM, Norman RJ, Buckley JD. The effect of diet and exercise on markers of endothelial function in overweight and obese women with polycystic ovary syndrome. *Hum Reprod*. 2012 Jul;27(7):2169-76. Available from: PubMed; PMID 22552687

Thomson RL, Spedding S, Buckley JD. Vitamin D in the aetiology and management of polycystic ovary syndrome. *Clin Endocrinol (Oxf)*. 2012 Sep;77(3):343-50. Available from: PubMed; PMID 22574874

Tomlinson J, Millward A, Stenhouse E, Pinkney J. Type 2 diabetes and cardiovascular disease in polycystic ovary syndrome: what are the risks and can they be reduced? *Diabet Med*. 2010 May;27(5):498-515. Available from: PubMed; PMID 20536945

Tomova A, Deepinder F, Robeva R, Kirilov G, Mehandjiev Z, Kumanov P. Anti-Mullerian hormone in women with polycystic ovary syndrome before and after therapy with metformin. *Horm Metab Res*. 2011 Sep;43(10):723-7. Available from: PubMed; PMID 21932178

Tong Y, Liao WX, Roy AC, Ng SC. Association of AclI polymorphism in the follicle-stimulating hormone beta gene with polycystic ovary syndrome. *Fertil Steril*. 2000 Dec;74(6):1233-6. Available from: PubMed; PMID 11119757

Topcu S, Tok D, Caliskan M, Ozcimen EE, Gullu H, Uckuyu A, Erdogan D, Zeyneloglu H, Muderrisoglu H. Metformin therapy improves coronary microvascular function in patients with polycystic ovary syndrome and insulin resistance. *Clin Endocrinol (Oxf)*. 2006 Jul;65(1):75-80. Available from: PubMed; PMID 16817823

Toprak S, Yonem A, Cakir B, Guler S, Azal O, Ozata M, Corakci A. Insulin resistance in nonobese patients with polycystic ovary syndrome. *Horm Res*. 2001;55(2):65-70. Available from: PubMed; PMID 11509861

Toscani MK, Mario FM, Radavelli-Bagatini S, Spritzer PM. Insulin resistance is not strictly associated with energy intake or dietary macronutrient composition in women with polycystic ovary syndrome. *Nutr Res*. 2011 Feb;31(2):97-103. Available from: PubMed; PMID 21419313

Toscani MK, Mario FM, Radavelli-Bagatini S, Wiltgen D, Matos MC, Spritzer PM. Effect of high-protein or normal-protein diet on weight loss, body composition, hormone,

and metabolic profile in southern Brazilian women with polycystic ovary syndrome: a randomized study. *Gynecol Endocrinol*. 2011 Nov;27(11):925-30. Available from: PubMed; PMID 21627406

Tosi F, Negri C, Perrone F, Dorizzi R, Castello R, Bonora E, Moghetti P. Hyperinsulinemia amplifies GnRH agonist stimulated ovarian steroid secretion in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2012 May;97(5):1712-9. Available from: PubMed; PMID 22419715

Trolle B, Flyvbjerg A, Kesmodel U, Lauszus FF. Efficacy of metformin in obese and non-obese women with polycystic ovary syndrome: a randomized, double-blinded, placebo-controlled cross-over trial. *Hum Reprod*. 2007 Nov;22(11):2967-73. Available from: PubMed; PMID 17766923

Tsilchorozidou T, Mohamed-Ali V, Conway GS. Determinants of interleukin-6 and C-reactive protein vary in polycystic ovary syndrome, as do effects of short- and long-term metformin therapy. *Horm Res*. 2009;71(3):148-54. Available from: PubMed; PMID 19188739

Tso LO, Costello MF, Albuquerque LE, Andriolo RB, Freitas V. Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome. *Cochrane Database Syst Rev*. 2009 (2):CD006105. Available from: PubMed; PMID 19370625

Tugrul S, Oral O, Guclu M, Kutlu T, Uslu H, Pekin O. Significance of Doppler ultrasonography in the diagnosis of polycystic ovary syndrome. *Clin Exp Obstet Gynecol*. 2006;33(3):154-8. Available from: PubMed; PMID 17089579

Tugrul S, Kutlu T, Pekin O, Baglam E, Kiyak H, Oral O. Clinical, endocrine, and metabolic effects of acarbose, a alpha-glucosidase inhibitor, in overweight and nonoverweight patients with polycystic ovarian syndrome. *Fertil Steril*. 2008 Oct;90(4):1144-8. Available from: PubMed; PMID 18377903

Tulandi T, Saleh A, Morris D, Jacobs HS, Payne NN, Tan SL. Effects of laparoscopic ovarian drilling on serum vascular endothelial growth factor and on insulin responses to the oral glucose tolerance test in women with polycystic ovary syndrome. *Fertil Steril*. 2000 Sep;74(3):585-8. Available from: PubMed; PMID 10973659

Turner MJ, Langan H, Farah N, Byrne K, Cleary B. Metformin: an advance in ovulation induction. *Ir Med J*. 2005 May;98(5):133-4. Available from: PubMed; PMID 16010777

Ucar B, Noyan V, Caglayan O, Yucel A, Sagsoz N. Plasma adrenomedullin levels in patients with polycystic ovary syndrome. *Fertil Steril*. 2006 Oct;86(4):942-8. Available from: PubMed; PMID 16963041

- Ulloa-Aguirre A, Portocarrero L, Zarinan T, Olivares A, Carranza-Lira S, Veldhuis JD, Lopez-Alvarenga JC. Effects of metformin on inappropriate LH release in women with polycystic ovarian syndrome and insulin resistance. *Reprod Biomed Online*. 2006 Jun;12(6):669-83. Available from: PubMed; PMID 16792841
- Uncu G, Sozer MC, Develioglu O, Cengiz C. The role of plasma renin activity in distinguishing patients with polycystic ovary syndrome (PCOS) from oligomenorrheic patients without PCOS. *Gynecol Endocrinol*. 2002 Dec;16(6):447-52. Available from: PubMed; PMID 12626031
- Uncu G, Ozyurek SE, Uncu Y. ACTH stimulation test in lean polycystic ovary syndrome patients with insulin resistance. *Fertil Steril*. 2007 Sep;88(3):670-4. Available from: PubMed; PMID 17451692
- Unfer V, Carlomagno G, Dante G, Facchinetti F. Effects of myo-inositol in women with PCOS: a systematic review of randomized controlled trials. *Gynecol Endocrinol*. 2012 Jul;28(7):509-15. Available from: PubMed; PMID 22296306
- Unluhizarci K, Kelestimur F, Bayram F. Insulin-sensitizing agents and their effect on adrenal androgens. *Fertil Steril*. 2000 Nov;74(5):1058-9. Available from: PubMed; PMID 11185467
- Unluhizarci K, Ozocak M, Tanriverdi F, Atmaca H, Kelestimur F. Investigation of hypothalamo-pituitary-gonadal axis and glucose intolerance among the first-degree female relatives of women with polycystic ovary syndrome. *Fertil Steril*. 2007 Jun;87(6):1377-82. Available from: PubMed; PMID 17336975
- Uras R, Orru M, Pani F, Marotto MF, Pilloni M, Guerriero S, Etzi R, Zedda P, Sorge R, Lello S, Melis GB, Paoletti AM. Endocrinological, metabolic and clinical features of treatment with oral contraceptive formulation containing ethinylestradiol plus chlormadinone acetate in nonobese women with polycystic ovary syndrome. *Contraception*. 2010 Aug;82(2):131-8. Available from: PubMed; PMID 20654753
- Usadi RS, Legro RS. Reproductive impact of polycystic ovary syndrome. *Curr Opin Endocrinol Diabetes Obes*. 2012 Dec;19(6):505-11. Available from: PubMed; PMID 23108198
- Usnarska-Zubkiewicz L, Bolanowski M, Zubkiewicz-Kucharska A, Podolak-Dawidziak M, Kuliczkowski K. Pregnancy in a woman with polycystic ovary syndrome and myelodysplastic syndrome (in the form of refractory anemia) treated with allogeneic hemopoietic stem-cell transplantation (alloHSCT). *Gynecol Endocrinol*. 2010 Feb;26(2):135-8. Available from: PubMed; PMID 20074022
- Vaikkakara S, Al-Ozairi E, Lim E, Advani A, Ball SG, James RA, Quinton R. The investigation and management of severe hyperandrogenism pre- and postmenopause: non-tumor disease is strongly associated with metabolic syndrome and typically responds to insulin-sensitization with metformin. *Gynecol Endocrinol*. 2008 Feb;24(2):87-92. Available from: PubMed; PMID 18210332
- Vambergue A, Lautier C, Valat AS, Cortet-Rudelli C, Grigorescu F, Dewailly D. Follow-up study of two sisters with type A syndrome of severe insulin resistance gives a new insight into PCOS pathogenesis in relation to puberty and pregnancy outcome: a case report. *Hum Reprod*. 2006 May;21(5):1274-8. Available from: PubMed; PMID 16410336
- Van Dam EW, Roelfsema F, Veldhuis JD, Helmerhorst FM, Frolich M, Meinders AE, Krans HM, Pijl H. Increase in daily LH secretion in response to short-term calorie restriction in obese women with PCOS. *Am J Physiol Endocrinol Metab*. 2002 Apr;282(4):E865-72. Available from: PubMed; PMID 11882506
- van Dam EW, Roelfsema F, Veldhuis JD, Hogendoorn S, Westenberg J, Helmerhorst FM, Frolich M, Krans HM, Meinders AE, Pijl H. Retention of estradiol negative feedback relationship to LH predicts ovulation in response to caloric restriction and weight loss in obese patients with polycystic ovary syndrome. *Am J Physiol Endocrinol Metab*. 2004 Apr;286(4):E615-20. Available from: PubMed; PMID 14678951
- Van Nieuwerburgh F, Stoop D, Cabri P, Dhont M, Deforce D, De Sutter P. Shorter CAG repeats in the androgen receptor gene may enhance hyperandrogenicity in polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Dec;24(12):669-73. Available from: PubMed; PMID 19172534
- van Santbrink EJ, Fauser BC. Ovulation induction in normogonadotropic anovulation (PCOS). *Best Pract Res Clin Endocrinol Metab*. 2006 Jun;20(2):261-70. Available from: PubMed; PMID 16772156
- van Wely M, Bayram N, van der Veen F. Recombinant FSH in alternative doses or versus urinary gonadotrophins for ovulation induction in subfertility associated with polycystic ovary syndrome: a systematic review based on a Cochrane review. *Hum Reprod*. 2003 Jun;18(6):1143-9. Available from: PubMed; PMID 12773438
- van Wely M, Bayram N, van der Veen F, Bossuyt PM. Predictors for treatment failure after laparoscopic electrocautery of the ovaries in women with clomiphene citrate resistant polycystic ovary syndrome. *Hum Reprod*. 2005 Apr;20(4):900-5. Available from: PubMed; PMID 15640254
- van Wely M, Fauser BC, Laven JS, Eijkemans MJ, van der Veen F. Validation of a prediction model for the follicle-stimulating hormone response dose in women with polycystic ovary syndrome. *Fertil Steril*. 2006 Dec;86(6):1710-5. Available from: PubMed; PMID 17022982

Vandermolen DT, Ratts VS, Evans WS, Stovall DW, Kauma SW, Nestler JE. Metformin increases the ovulatory rate and pregnancy rate from clomiphene citrate in patients with polycystic ovary syndrome who are resistant to clomiphene citrate alone. *Fertil Steril*. 2001 Feb;75(2):310-5. Available from: PubMed; PMID 11172832

Vanky E, Kjotrod SB, Maesel A, Bjerve KS, Carlsen SM. Dexamethasone reduces androgen levels in metformin-treated patients with polycystic ovary syndrome. *Fertil Steril*. 2004 Feb;81(2):459-62. Available from: PubMed; PMID 14967392

Vanky E, Salvesen KA, Carlsen SM. Six-month treatment with low-dose dexamethasone further reduces androgen levels in PCOS women treated with diet and lifestyle advice, and metformin. *Hum Reprod*. 2004 Mar;19(3):529-33. Available from: PubMed; PMID 14998946

Vanky E, Salvesen KA, Heimstad R, Fougner KJ, Romundstad P, Carlsen SM. Metformin reduces pregnancy complications without affecting androgen levels in pregnant polycystic ovary syndrome women: results of a randomized study. *Hum Reprod*. 2004 Aug;19(8):1734-40. Available from: PubMed; PMID 15178665

Vanky E, Hjorth-Hansen H, Carlsen SM. Metformin and early pregnancy? *Fertil Steril*. 2006 Nov;86(5):1551-2; author reply 2-3. Available from: PubMed; PMID 16926000

Vanky E, Carlsen SM. Androgens and antimullerian hormone in mothers with polycystic ovary syndrome and their newborns. *Fertil Steril*. 2012 Feb;97(2):509-15. Available from: PubMed; PMID 22154766

Vanky E, Nordskar JJ, Leithe H, Hjorth-Hansen AK, Martinussen M, Carlsen SM. Breast size increment during pregnancy and breastfeeding in mothers with polycystic ovary syndrome: a follow-up study of a randomised controlled trial on metformin versus placebo. *BJOG*. 2012 Oct;119(11):1403-9. Available from: PubMed; PMID 22827167

Vargas ML, Almario RU, Buchan W, Kim K, Karakas SE. Metabolic and endocrine effects of long-chain versus essential omega-3 polyunsaturated fatty acids in polycystic ovary syndrome. *Metabolism*. 2011 Dec;60(12):1711-8. Available from: PubMed; PMID 21640360

Vause TD, Cheung AP, Sierra S, Claman P, Graham J, Guillemain JA, Lapensee L, Stewart S, Wong BC. Ovulation induction in polycystic ovary syndrome: No. 242, May 2010. *Int J Gynaecol Obstet*. 2010 Oct;111(1):95-100. Available from: PubMed; PMID 20848729

Vause TD, Cheung AP, Sierra S, Claman P, Graham J, Guillemain JA, Lapensee L, Stewart S, Wong BC. Ovulation induction in polycystic ovary syndrome. *J Obstet Gynaecol*

*Can*. 2010 May;32(5):495-502. Available from: PubMed; PMID 20500959

Velija-Asimi Z. C-reactive protein in obese PCOS women and the effect of metformin therapy. *Bosn J Basic Med Sci*. 2007 Feb;7(1):90-3. Available from: PubMed; PMID 17489777

Veltman-Verhulst SM, van Rijn BB, Westerveld HE, Franx A, Bruinse HW, Fauser BC, Goverde AJ. Polycystic ovary syndrome and early-onset preeclampsia: reproductive manifestations of increased cardiovascular risk. *Menopause*. 2010 Sep-Oct;17(5):990-6. Available from: PubMed; PMID 20551845

Verit FF, Erel O, Kocyigit A. Association of increased total antioxidant capacity and anovulation in nonobese infertile patients with clomiphene citrate-resistant polycystic ovary syndrome. *Fertil Steril*. 2007 Aug;88(2):418-24. Available from: PubMed; PMID 17303132

Verit FF. The prevalence of metabolic syndrome in clomiphene citrate resistant polycystic ovary syndrome. *Gynecol Endocrinol*. 2012 May;28(5):365-9. Available from: PubMed; PMID 22409701

Vicino M, Loverro G, Bettocchi S, Simonetti S, Mei L, Selvaggi L. Predictive value of serum androstenedione basal levels on the choice of gonadotropin or laparoscopic ovarian electrocautery as ovulation induction in clomiphene citrate-resistant patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2000 Feb;14(1):42-9. Available from: PubMed; PMID 10813106

Vigano A, Manzoni P, Riva S, Brambilla P, Ferrazzi E, Marzi MM. Hyperinsulinemia induced by highly active antiretroviral therapy in an adolescent with polycystic ovary syndrome who was infected with human immunodeficiency virus. *Fertil Steril*. 2003 Feb;79(2):422-3. Available from: PubMed; PMID 12568857

Vigouroux C. What have we learned from monogenic forms of severe insulin resistance associated with PCOS/HAIRAN? *Ann Endocrinol (Paris)*. 2010 May;71(3):222-4. Available from: PubMed; PMID 20362964

Villa P, Di Sebastiano F, Rossodivita A, Sagnella F, Barini A, Fulghesu AM, Lanzzone A. Which treatment options should be used in adolescents with polycystic ovary syndrome? *J Pediatr Endocrinol Metab*. 2004 May;17(5):705-10. Available from: PubMed; PMID 15237703

Vinaixa M, Rodriguez MA, Samino S, Diaz M, Beltran A, Mallol R, Blade C, Ibanez L, Correig X, Yanes O. Metabolomics reveals reduction of metabolic oxidation in women with polycystic ovary syndrome after pioglitazone-flutamide-metformin polytherapy. *PLoS One*. 2011;6(12):e29052. Available from: PubMed; PMID 22194988

- Vizer M, Kiesel L, Szabo I, Arany A, Tamas P, Szilagy A. Assessment of three-dimensional sonographic features of polycystic ovaries after laparoscopic ovarian electrocautery. *Fertil Steril*. 2007 Oct;88(4):894-9. Available from: PubMed; PMID 17561004
- Vlaisavljevic V, Kovac V, Sajko MC. Impact of insulin resistance on the developmental potential of immature oocytes retrieved from human chorionic gonadotropin-primed women with polycystic ovary syndrome undergoing in vitro maturation. *Fertil Steril*. 2009 Mar;91(3):957-9. Available from: PubMed; PMID 18321495
- Vollenhoven B, Clark S, Kovacs G, Burger H, Healy D. Prevalence of gestational diabetes mellitus in polycystic ovarian syndrome (PCOS) patients pregnant after ovulation induction with gonadotrophins. *Aust N Z J Obstet Gynaecol*. 2000 Feb;40(1):54-8. Available from: PubMed; PMID 10870780
- Vosnakis C, Georgopoulos NA, Armeni AK, Papadakis E, Roupas ND, Katsikis I, Panidis D. Sibutramine administration decreases serum anti-Mullerian hormone (AMH) levels in women with polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2012 Aug;163(2):185-9. Available from: PubMed; PMID 22579228
- Vrbikova J, Stanicka S, Dvorakova K, Hill M, Vondra K, Bendlova B, Starka L. Metabolic and endocrine effects of treatment with peroral or transdermal oestrogens in conjunction with peroral cyproterone acetate in women with polycystic ovary syndrome. *Eur J Endocrinol*. 2004 Feb;150(2):215-23. Available from: PubMed; PMID 14763920
- Vrbikova J, Cibula D. Combined oral contraceptives in the treatment of polycystic ovary syndrome. *Hum Reprod Update*. 2005 May-Jun;11(3):277-91. Available from: PubMed; PMID 15790599
- Vrbikova J, Dvorakova K, Hill M, Starka L. Weight change and androgen levels during contraceptive treatment of women affected by polycystic ovary. *Endocr Regul*. 2006 Dec;40(4):119-23. Available from: PubMed; PMID 17201585
- Vrtacnik-Bokal E, Virant Klun I, Verdenik I. Follicular oestradiol and VEGF after GnRH antagonists or GnRH agonists in women with PCOS. *Reprod Biomed Online*. 2009 Jan;18(1):21-8. Available from: PubMed; PMID 19146765
- Vutyavanich T, Khaniyao V, Wongtra-Ngan S, Sreshthaputra O, Sreshthaputra R, Piromlertamorn W. Clinical, endocrine and ultrasonographic features of polycystic ovary syndrome in Thai women. *J Obstet Gynaecol Res*. 2007 Oct;33(5):677-80. Available from: PubMed; PMID 17845329
- Wachs DS, Coffler MS, Malcom PJ, Shimasaki S, Chang RJ. Increased androgen response to follicle-stimulating hormone administration in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 May;93(5):1827-33. Available from: PubMed; PMID 18285408
- Wallace KL, Johnson V, Sopolak V, Hines R. Clomiphene citrate versus letrozole: molecular analysis of the endometrium in women with polycystic ovary syndrome. *Fertil Steril*. 2011 Oct;96(4):1051-6. Available from: PubMed; PMID 21851939
- Walters KA, Allan CM, Handelsman DJ. Rodent models for human polycystic ovary syndrome. *Biol Reprod*. 2012;86(5):149, 1-12. Available from: PubMed; PMID 22337333
- Wang HS, Wang TH. Polycystic ovary syndrome (PCOS), insulin resistance and insulin-like growth factors (IGFs)/IGF-binding proteins (IGFBPs). *Chang Gung Med J*. 2003 Aug;26(8):540-53. Available from: PubMed; PMID 14609034
- Wang JG, Anderson RA, Graham GM, 3rd, Chu MC, Sauer MV, Guarnaccia MM, Lobo RA. The effect of cinnamon extract on insulin resistance parameters in polycystic ovary syndrome: a pilot study. *Fertil Steril*. 2007 Jul;88(1):240-3. Available from: PubMed; PMID 17296187
- Wang JG, Lobo RA. The complex relationship between hypothalamic amenorrhea and polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2008 Apr;93(4):1394-7. Available from: PubMed; PMID 18230664
- Wang K, Wang L, Zhao Y, Shi Y, Wang L, Chen ZJ. No association of the Arg51Gln and Leu72Met polymorphisms of the ghrelin gene and polycystic ovary syndrome. *Hum Reprod*. 2009 Feb;24(2):485-90. Available from: PubMed; PMID 19049992
- Wasko R, Komarowska H, Warenik-Szymankiewicz A, Sowinski J. Elevated ghrelin plasma levels in patients with polycystic ovary syndrome. *Horm Metab Res*. 2004 Mar;36(3):170-3. Available from: PubMed; PMID 15057670
- Weerakiet S, Tingthanatikul Y, Sophonsritsuk A, Choktanasiri W, Wansumrith S, Rojanasakul A. Efficacy of metformin on ovulation induction in Asian women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2004 Oct;19(4):202-7. Available from: PubMed; PMID 15724803
- Weerakiet S, Lertvikool S, Tingthanatikul Y, Wansumrith S, Leelaphiwat S, Jultanas R. Ovarian reserve in women with polycystic ovary syndrome who underwent laparoscopic ovarian drilling. *Gynecol Endocrinol*. 2007;23(8):455-60. Available from: PubMed; PMID 17852413
- Weerakiet S, Sophonsritsuk A, Lertvikool S, Satirapote C, Leelaphiwat S, Jultanas R. Randomized controlled trial of different doses of metformin for ovulation induction in infertile women with polycystic ovary syndrome. *J Obstet*

- Gynaecol Res. 2011 Sep;37(9):1229-37. Available from: PubMed; PMID 21518135
- Wei AY, Pritts EA. Therapy for polycystic ovarian syndrome. *Curr Opin Pharmacol*. 2003 Dec;3(6):678-82. Available from: PubMed; PMID 14644023
- Wei Z, Cao Y, Cong L, Zhou P, Zhang Z, Li J. Effect of metformin pretreatment on pregnancy outcome of in vitro matured oocytes retrieved from women with polycystic ovary syndrome. *Fertil Steril*. 2008 Oct;90(4):1149-54. Available from: PubMed; PMID 18022165
- Wei W, Zhao H, Wang A, Sui M, Liang K, Deng H, Ma Y, Zhang Y, Zhang H, Guan Y. A clinical study on the short-term effect of berberine in comparison to metformin on the metabolic characteristics of women with polycystic ovary syndrome. *Eur J Endocrinol*. 2012 Jan;166(1):99-105. Available from: PubMed; PMID 22019891
- Weickert MO, Hodges P, Tan BK, Randeve HS. Neuroendocrine and endocrine dysfunction in the hyperinsulinemic PCOS patient: the role of metformin. *Minerva Endocrinol*. 2012 Mar;37(1):25-40. Available from: PubMed; PMID 22382613
- Weiping L, Qingfeng C, Shikun M, Xiurong L, Hua Q, Xiaoshu B, Suhua Z, Qifu L. Elevated serum RBP4 is associated with insulin resistance in women with polycystic ovary syndrome. *Endocrine*. 2006 Dec;30(3):283-7. Available from: PubMed; PMID 17526940
- Welt CK, Arason G, Gudmundsson JA, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Defining constant versus variable phenotypic features of women with polycystic ovary syndrome using different ethnic groups and populations. *J Clin Endocrinol Metab*. 2006 Nov;91(11):4361-8. Available from: PubMed; PMID 16940441
- Welt CK, Gudmundsson JA, Arason G, Adams J, Palsdottir H, Gudlaugsdottir G, Ingadottir G, Crowley WF. Characterizing discrete subsets of polycystic ovary syndrome as defined by the Rotterdam criteria: the impact of weight on phenotype and metabolic features. *J Clin Endocrinol Metab*. 2006 Dec;91(12):4842-8. Available from: PubMed; PMID 17003085
- Whitaker KN. Polycystic ovary syndrome: an overview. *J Pharm Pract*. 2011 Feb;24(1):94-101. Available from: PubMed; PMID 21650066
- Wild RA. Pioglitazone and metformin for increased small low-density lipoprotein in polycystic ovary syndrome: counterpoint. *Am J Obstet Gynecol*. 2008 Jan;198(1):4-6. Available from: PubMed; PMID 18166296
- Wild RA, Carmina E, Diamanti-Kandarakis E, Dokras A, Escobar-Morreale HF, Futterweit W, Lobo R, Norman RJ, Talbott E, Dumesic DA. Assessment of cardiovascular risk and prevention of cardiovascular disease in women with the polycystic ovary syndrome: a consensus statement by the Androgen Excess and Polycystic Ovary Syndrome (AE-PCOS) Society. *J Clin Endocrinol Metab*. 2010 May;95(5):2038-49. Available from: PubMed; PMID 20375205
- Willenberg HS, Bahlo M, Schott M. Polycystic ovary syndrome and infertility. *JAMA*. 2007 Jun 20;297(23):2582-3; author reply 3. Available from: PubMed; PMID 17579224
- Wisniewski M, Petersen M. Is metformin beneficial for the treatment of infertility in women with PCOS? *JAAPA*. 2009 Apr;22(4):49-50. Available from: PubMed; PMID 19452822
- Woods KS, Reyna R, Azziz R. Effect of oral micronized progesterone on androgen levels in women with polycystic ovary syndrome. *Fertil Steril*. 2002 Jun;77(6):1125-7. Available from: PubMed; PMID 12057716
- Wright CE, Zborowski JV, Talbott EO, McHugh-Pemu K, Youk A. Dietary intake, physical activity, and obesity in women with polycystic ovary syndrome. *Int J Obes Relat Metab Disord*. 2004 Aug;28(8):1026-32. Available from: PubMed; PMID 15159768
- Wu X, Sallinen K, Zhou S, Su Y, Pollanen P, Erkkola R. Androgen excess contributes to altered growth hormone/insulin-like growth factor-1 axis in nonobese women with polycystic ovary syndrome. *Fertil Steril*. 2000 Apr;73(4):730-4. Available from: PubMed; PMID 10731533
- Wu XK, Zhou SY, Sallinen K, Pollanen P, Erkkola R. Ovarian-adrenal cross-talk in polycystic ovary syndrome: evidence from wedge resection. *Eur J Endocrinol*. 2000 Sep;143(3):383-8. Available from: PubMed; PMID 11022181
- Wu MH, Huang MF, Tsai SJ, Pan HA, Cheng YC, Lin YS. Effects of laparoscopic ovarian drilling on young adult women with polycystic ovarian syndrome. *J Am Assoc Gynecol Laparosc*. 2004 May;11(2):184-90. Available from: PubMed; PMID 15200772
- Wu J, Zhu Y, Jiang Y, Cao Y. Effects of metformin and ethinyl estradiol-cyproterone acetate on clinical, endocrine and metabolic factors in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2008 Jul;24(7):392-8. Available from: PubMed; PMID 18608522
- Xiang SK, Hua F, Tang Y, Jiang XH, Zhuang Q, Qian FJ. Relationship between Serum Lipoprotein Ratios and Insulin Resistance in Polycystic Ovary Syndrome. *Int J Endocrinol*. 2012;2012:173281. Available from: PubMed; PMID 22792101
- Xu X, Shi Y, Cui Y, Ma J, Che L, Chen ZJ. Endocrine and metabolic characteristics of polycystic ovary syndrome in Chinese women with different phenotypes. *Clin Endocrinol (Oxf)*. 2012 Mar;76(3):425-30. Available from: PubMed; PMID 21815904



Yang Y, Qiao J, Li R, Li MZ. Is interleukin-18 associated with polycystic ovary syndrome? *Reprod Biol Endocrinol*. 2011;9:7. Available from: PubMed; PMID 21244650

Yarali H, Zeyneloglu HB. Gonadotrophin treatment in patients with polycystic ovary syndrome. *Reprod Biomed Online*. 2004 May;8(5):528-37. Available from: PubMed; PMID 15151714

Yasar HY, Ertugrul O. Clomiphene citrate-induced severe hypertriglyceridemia. *Fertil Steril*. 2009 Jul;92(1):396 e7-8. Available from: PubMed; PMID 19380127

Yasmin E, Glanville J, Barth J, Balen AH. Effect of dose escalation of metformin on clinical features, insulin sensitivity and androgen profile in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2011 May;156(1):67-71. Available from: PubMed; PMID 21277073

Yavasoglu I, Kucuk M, Coskun A, Guney E, Kadikoylu G, Bolaman Z. Polycystic ovary syndrome and prolactinoma association. *Intern Med*. 2009;48(8):611-3. Available from: PubMed; PMID 19367058

Yildir IC, Kutluturk F, Tasliyurt T, Yelken BM, Acu B, Beyhan M, Erkorkmaz U, Yilmaz A. Insulin resistance and cardiovascular risk factors in women with PCOS who have normal glucose tolerance test. *Gynecol Endocrinol*. 2012 Nov 5. Available from: PubMed; PMID 23127112

Yildiz BO, Chang W, Azziz R. Polycystic ovary syndrome and ovulation induction. *Minerva Ginecol*. 2003 Oct;55(5):425-39. Available from: PubMed; PMID 14581885

Yildiz BO, Yarali H, Oguz H, Bayraktar M. Glucose intolerance, insulin resistance, and hyperandrogenemia in first degree relatives of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2003 May;88(5):2031-6. Available from: PubMed; PMID 12727950

Yildiz BO. Recent advances in the treatment of polycystic ovary syndrome. *Expert Opin Investig Drugs*. 2004 Oct;13(10):1295-305. Available from: PubMed; PMID 15461558

Yildiz BO, Azziz R. The adrenal and polycystic ovary syndrome. *Rev Endocr Metab Disord*. 2007 Dec;8(4):331-42. Available from: PubMed; PMID 17932770

Yildizhan R, Adali E, Kulusari A, Kurdoglu M, Yildizhan B, Sahin HG, Kamaci M. Ovarian stimulation in obese and non-obese polycystic ovary syndrome using a low-dose step-up regimen with two different starting doses of recombinant follicle-stimulating hormone. *J Int Med Res*. 2008 Nov-Dec;36(6):1197-204. Available from: PubMed; PMID 19094427

Yildizhan R, Kurdoglu M, Adali E, Kulusari A, Yildizhan B, Sahin HG, Kamaci M. Serum 25-hydroxyvitamin D

concentrations in obese and non-obese women with polycystic ovary syndrome. *Arch Gynecol Obstet*. 2009 Oct;280(4):559-63. Available from: PubMed; PMID 19214546

Yildizhan R, Ilhan GA, Yildizhan B, Kulusari A, Adali E, Bugdayci G. Serum retinol-binding protein 4, leptin, and plasma asymmetric dimethylarginine levels in obese and nonobese young women with polycystic ovary syndrome. *Fertil Steril*. 2011 Jul;96(1):246-50. Available from: PubMed; PMID 21600576

Yilmaz M, Biri A, Bukan N, Karakoc A, Sancak B, Toruner F, Pasaoglu H. Levels of lipoprotein and homocysteine in non-obese and obese patients with polycystic ovary syndrome. *Gynecol Endocrinol*. 2005 May;20(5):258-63. Available from: PubMed; PMID 16019370

Yilmaz M, Biri A, Karakoc A, Toruner F, Bingol B, Cakir N, Tiras B, Ayvaz G, Arslan M. The effects of rosiglitazone and metformin on insulin resistance and serum androgen levels in obese and lean patients with polycystic ovary syndrome. *J Endocrinol Invest*. 2005 Dec;28(11):1003-8. Available from: PubMed; PMID 16483179

Yilmaz M, Ergun MA, Karakoc A, Yurtcu E, Cakir N, Arslan M. Pro12Ala polymorphism of the peroxisome proliferator-activated receptor-gamma gene in women with polycystic ovary syndrome. *Gynecol Endocrinol*. 2006 Jun;22(6):336-42. Available from: PubMed; PMID 16785159

Yilmaz M, Isaoglu U, Delibas IB, Kadanali S. Anthropometric, clinical and laboratory comparison of four phenotypes of polycystic ovary syndrome based on Rotterdam criteria. *J Obstet Gynaecol Res*. 2011 Aug;37(8):1020-6. Available from: PubMed; PMID 21481088

Younis JS, Jadaon JE, Haddad S, Izhaki I, Ben-Ami M. Prospective evaluation of basal stromal Doppler studies in women with good ovarian reserve and infertility undergoing in vitro fertilization-embryo transfer treatment: patients with polycystic ovary syndrome versus ovulatory patients. *Fertil Steril*. 2011 Apr;95(5):1754-8. Available from: PubMed; PMID 21300343

Yu Ng EH, Ho PC. Polycystic ovary syndrome in asian women. *Semin Reprod Med*. 2008 Jan;26(1):14-21. Available from: PubMed; PMID 18181078

Yucel A, Noyan V, Sagsoz N. The association of serum androgens and insulin resistance with fat distribution in polycystic ovary syndrome. *Eur J Obstet Gynecol Reprod Biol*. 2006 May 1;126(1):81-6. Available from: PubMed; PMID 16337726

Yuksel O, Dokmetas HS, Topcu S, Erselcan T, Sencan M. Relationship between bone mineral density and insulin resistance in polycystic ovary syndrome. *J Bone Miner*

Metab. 2001;19(4):257-62. Available from: PubMed; PMID 11448019

Zachurzok-Buczynska A, Szydlowski L, Gawlik A, Wilk K, Malecka-Tendera E. Blood pressure regulation and resting heart rate abnormalities in adolescent girls with polycystic ovary syndrome. *Fertil Steril*. 2011 Dec;96(6):1519-25. Available from: PubMed; PMID 22032814

Zacur HA. Polycystic ovary syndrome, hyperandrogenism, and insulin resistance. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):21-33. Available from: PubMed; PMID 11293002

Zafar S. Role of metformin in correcting hyperinsulinemia, menstrual irregularity and anovulation in polycystic ovary syndrome. *J Ayub Med Coll Abbottabad*. 2005 Oct-Dec;17(4):54-6. Available from: PubMed; PMID 16599037

Zain MM, Jamaluddin R, Ibrahim A, Norman RJ. Comparison of clomiphene citrate, metformin, or the combination of both for first-line ovulation induction, achievement of pregnancy, and live birth in Asian women with polycystic ovary syndrome: a randomized controlled trial. *Fertil Steril*. 2009 Feb;91(2):514-21. Available from: PubMed; PMID 18321486

Zakherah MS, Kamal MM, Hamed HO. Laparoscopic ovarian drilling in polycystic ovary syndrome: efficacy of adjusted thermal dose based on ovarian volume. *Fertil Steril*. 2011 Mar 1;95(3):1115-8. Available from: PubMed; PMID 21075366

Zhai HL, Wu H, Xu H, Weng P, Xia FZ, Chen Y, Lu YL. Trace glucose and lipid metabolism in high androgen and high-fat diet induced polycystic ovary syndrome rats. *Reprod Biol Endocrinol*. 2012;10:5. Available from: PubMed; PMID 22276997

Zhai J, Liu CX, Tian ZR, Jiang QH, Sun YP. Effects of metformin on the expression of GLUT4 in endometrium of obese women with polycystic ovary syndrome. *Biol Reprod*. 2012 Aug;87(2):29. Available from: PubMed; PMID 22572996

Zhang H, Legro RS, Zhang J, Zhang L, Chen X, Huang H, Casson PR, Schlaff WD, Diamond MP, Krawetz SA, Coutifaris C, Brzyski RG, Christman GM, Santoro N, Eisenberg E. Decision trees for identifying predictors of treatment effectiveness in clinical trials and its application to ovulation in a study of women with polycystic ovary syndrome. *Hum Reprod*. 2010 Oct;25(10):2612-21. Available from: PubMed; PMID 20716558

Zhang HY, Guo CX, Zhu FF, Qu PP, Lin WJ, Xiong J. Clinical characteristics, metabolic features, and phenotype of Chinese women with polycystic ovary syndrome: a large-scale case-control study. *Arch Gynecol Obstet*. 2012 Oct 30. Available from: PubMed; PMID 23108387

Zhang Z, Gong F, Lu GX. Plasma level of calcitonin gene-related peptide in patients with polycystic ovary syndrome and its relationship to hormonal and metabolic parameters. *Peptides*. 2012 Apr;34(2):343-8. Available from: PubMed; PMID 22314079

Zhao JZ, Zhou W, Zhang W, Ge HS, Huang XF, Lin JJ. In vitro maturation and fertilization of oocytes from unstimulated ovaries in infertile women with polycystic ovary syndrome. *Fertil Steril*. 2009 Jun;91(6):2568-71. Available from: PubMed; PMID 18579137

Zhao JZ, Lin JJ, Yang HY, Zhang W, Huang XF, Huang YP. Effects of oral contraceptives and metformin on the outcome of in vitro maturation in infertile women with polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2010 Feb;19(2):261-5. Available from: PubMed; PMID 20113146

Zhu WJ, Li XM, Chen XM, Zhang L. Follicular aspiration during the selection phase prevents severe ovarian hyperstimulation in patients with polycystic ovary syndrome who are undergoing in vitro fertilization. *Eur J Obstet Gynecol Reprod Biol*. 2005 Sep 1;122(1):79-84. Available from: PubMed; PMID 16154042

Zhu W, Li X, Chen X, Lin Z, Zhang L. Ovarian interstitial YAG-laser: an effective new method to manage anovulation in women with polycystic ovary syndrome. *Am J Obstet Gynecol*. 2006 Aug;195(2):458-63. Available from: PubMed; PMID 16890553

Zhu WJ, Li XM, Chen XM, Lin Z, Zhang L. Transvaginal, ultrasound-guided, ovarian, interstitial laser treatment in anovulatory women with clomifene-citrate-resistant polycystic ovary syndrome. *BJOG*. 2006 Jul;113(7):810-6. Available from: PubMed; PMID 16827765

Zhu W, Fu Z, Chen X, Li X, Tang Z, Zhou Y, Geng Q. Transvaginal ultrasound-guided ovarian interstitial laser treatment in anovulatory women with polycystic ovary syndrome: a randomized clinical trial on the effect of laser dose used on the outcome. *Fertil Steril*. 2010 Jun;94(1):268-75. Available from: PubMed; PMID 19409546

Zulian E, Sartorato P, Benedini S, Baro G, Armanini D, Mantero F, Scaroni C. Spironolactone in the treatment of polycystic ovary syndrome: effects on clinical features, insulin sensitivity and lipid profile. *J Endocrinol Invest*. 2005 Jan;28(1):49-53. Available from: PubMed; PMID 15816371

## Family Screening

Alshammari A, Hanley A, Ni A, Tomlinson G, Feig DS. Does the presence of polycystic ovary syndrome increase the risk of obstetrical complications in women with gestational diabetes? *J Matern Fetal Neonatal Med*. 2010

Jun;23(6):545-9. Available from: PubMed; PMID 19718584

Baillargeon JP, Carpentier AC. Brothers of women with polycystic ovary syndrome are characterised by impaired glucose tolerance, reduced insulin sensitivity and related metabolic defects. *Diabetologia*. 2007 Dec;50(12):2424-32. Available from: PubMed; PMID 17898989

Balen A, Rajkowska M. Polycystic ovary syndrome--a systemic disorder? *Best Pract Res Clin Obstet Gynaecol*. 2003 Apr;17(2):263-74. Available from: PubMed; PMID 12758099

Barber TM, Bennett AJ, Groves CJ, Sovio U, Ruokonen A, Martikainen H, Pouta A, Hartikainen AL, Elliott P, Wass JA, Jarvelin MR, Zeggini E, Franks S, McCarthy MI. Disparate genetic influences on polycystic ovary syndrome (PCOS) and type 2 diabetes revealed by a lack of association between common variants within the TCF7L2 gene and PCOS. *Diabetologia*. 2007 Nov;50(11):2318-22. Available from: PubMed; PMID 17805508

Bataille V, Snieder H, MacGregor AJ, Sasieni P, Spector TD. The influence of genetics and environmental factors in the pathogenesis of acne: a twin study of acne in women. *J Invest Dermatol*. 2002 Dec;119(6):1317-22. Available from: PubMed; PMID 12485434

Battaglia C, Mancini F, Cianciosi A, Busacchi P, Persico N, Paradisi R, Facchinetti F, de Aloysio D. Cardiovascular risk in normal weight, eumenorrheic, nonhirsute daughters of patients with polycystic ovary syndrome: a pilot study. *Fertil Steril*. 2009 Jul;92(1):240-9. Available from: PubMed; PMID 18692809

Bhathena RK. Therapeutic options in the polycystic ovary syndrome. *J Obstet Gynaecol*. 2007 Feb;27(2):123-9. Available from: PubMed; PMID 17454455

Capalbo A, Sagnella F, Apa R, Fulghesu AM, Lanzone A, Morciano A, Farcomeni A, Gangale MF, Moro F, Martinez D, Ciardulli A, Palla C, Uras ML, Spettu F, Cappai A, Carcassi C, Neri G, Tiziano FD. The 312N variant of the luteinizing hormone/choriogonadotropin receptor gene (LHCGR) confers up to 2.7-fold increased risk of polycystic ovary syndrome in a Sardinian population. *Clin Endocrinol (Oxf)*. 2012 Jul;77(1):113-9. Available from: PubMed; PMID 22356187

Cheang KI, Nestler JE, Futterweit W. Risk of cardiovascular events in mothers of women with polycystic ovary syndrome. *Endocr Pract*. 2008 Dec;14(9):1084-94. Available from: PubMed; PMID 19158047

Colilla S, Cox NJ, Ehrmann DA. Heritability of insulin secretion and insulin action in women with polycystic ovary syndrome and their first degree relatives. *J Clin Endocrinol Metab*. 2001 May;86(5):2027-31. Available from: PubMed; PMID 11344202

Coviello AD, Sam S, Legro RS, Dunaif A. High prevalence of metabolic syndrome in first-degree male relatives of women with polycystic ovary syndrome is related to high rates of obesity. *J Clin Endocrinol Metab*. 2009 Nov;94(11):4361-6. Available from: PubMed; PMID 19837913

Crisosto N, Codner E, Maliqueo M, Echiburua B, Sanchez F, Cassorla F, Sir-Petermann T. Anti-Mullerian hormone levels in peripubertal daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2007 Jul;92(7):2739-43. Available from: PubMed; PMID 17488788

Davies MJ, Marino JL, Willson KJ, March WA, Moore VM. Intergenerational associations of chronic disease and polycystic ovary syndrome. *PLoS One*. 2011;6(10):e25947. Available from: PubMed; PMID 21991389

Diamanti-Kandarakis E, Alexandraki K, Bergiele A, Kandarakis H, Mastorakos G, Aessopos A. Presence of metabolic risk factors in non-obese PCOS sisters: evidence of heritability of insulin resistance. *J Endocrinol Invest*. 2004 Nov;27(10):931-6. Available from: PubMed; PMID 15762040

Diamanti-Kandarakis E, Piperi C. Genetics of polycystic ovary syndrome: searching for the way out of the labyrinth. *Hum Reprod Update*. 2005 Nov-Dec;11(6):631-43. Available from: PubMed; PMID 15994846

Diamanti-Kandarakis E, Piperi C, Spina J, Argyrakopoulou G, Papanastasiou L, Bergiele A, Panidis D. Polycystic ovary syndrome: the influence of environmental and genetic factors. *Hormones (Athens)*. 2006 Jan-Mar;5(1):17-34. Available from: PubMed; PMID 16728382

Ewens KG, Stewart DR, Ankener W, Urbanek M, McAllister JM, Chen C, Baig KM, Parker SC, Margulies EH, Legro RS, Dunaif A, Strauss JF, 3rd, Spielman RS. Family-based analysis of candidate genes for polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2010 May;95(5):2306-15. Available from: PubMed; PMID 20200332

Ewens KG, Jones MR, Ankener W, Stewart DR, Urbanek M, Dunaif A, Legro RS, Chua A, Azziz R, Spielman RS, Goodarzi MO, Strauss JF, 3rd. FTO and MC4R gene variants are associated with obesity in polycystic ovary syndrome. *PLoS One*. 2011;6(1):e16390. Available from: PubMed; PMID 21283731

Franks S, Webber LJ, Goh M, Valentine A, White DM, Conway GS, Wiltshire S, McCarthy MI. Ovarian morphology is a marker of heritable biochemical traits in sisters with polycystic ovaries. *J Clin Endocrinol Metab*. 2008 Sep;93(9):3396-402. Available from: PubMed; PMID 18559912

Gambineri A, Semple RK, Forlani G, Genghini S, Grassi I, Hyden CS, Pagotto U, O'Rahilly S, Pasquali R. Monogenic polycystic ovary syndrome due to a mutation in the lamin

- A/C gene is sensitive to thiazolidinediones but not to metformin. *Eur J Endocrinol*. 2008 Sep;159(3):347-53. Available from: PubMed; PMID 18728124
- Gillett MJ, Burnett JR, Yeap D. Clomiphene-associated combined hyperlipidemia: a case report. *J Reprod Med*. 2006 Jul;51(7):587-90. Available from: PubMed; PMID 16913553
- Glueck CJ, Morrison JA, Wang P. Insulin resistance, obesity, hypofibrinolysis, hyperandrogenism, and coronary heart disease risk factors in 25 pre-perimenarchal girls age < or =14 years, 13 with precocious puberty, 23 with a first-degree relative with polycystic ovary syndrome. *J Pediatr Endocrinol Metab*. 2008 Oct;21(10):973-84. Available from: PubMed; PMID 19209619
- Gonzalez A, Abril E, Roca A, Aragon MJ, Figueroa MJ, Velarde P, Ruiz R, Favez O, Galan JJ, Herreros JA, Real LM, Ruiz A. Specific CAPN10 gene haplotypes influence the clinical profile of polycystic ovary patients. *J Clin Endocrinol Metab*. 2003 Nov;88(11):5529-36. Available from: PubMed; PMID 14602801
- Gonzalez A, Saez ME, Aragon MJ, Galan JJ, Vettori P, Molina L, Rubio C, Real LM, Ruiz A, Ramirez-Lorca R. Specific haplotypes of the CALPAIN-5 gene are associated with polycystic ovary syndrome. *Hum Reprod*. 2006 Apr;21(4):943-51. Available from: PubMed; PMID 16396936
- Goodarzi MO, Guo X, Yildiz BO, Stanczyk FZ, Azziz R. Correlation of adrenocorticotropin steroid levels between women with polycystic ovary syndrome and their sisters. *Am J Obstet Gynecol*. 2007 Apr;196(4):398 e1-5; discussion e5-6. Available from: PubMed; PMID 17403434
- Hickey M, Sloboda DM, Atkinson HC, Doherty DA, Franks S, Norman RJ, Newnham JP, Hart R. The relationship between maternal and umbilical cord androgen levels and polycystic ovary syndrome in adolescence: a prospective cohort study. *J Clin Endocrinol Metab*. 2009 Oct;94(10):3714-20. Available from: PubMed; PMID 19567524
- Hunter A, Vimplis S, Sharma A, Eid N, Atiomo W. To determine whether first-degree male relatives of women with polycystic ovary syndrome are at higher risk of developing cardiovascular disease and type II diabetes mellitus. *J Obstet Gynaecol*. 2007 Aug;27(6):591-6. Available from: PubMed; PMID 17896258
- Ingudomnukul E, Baron-Cohen S, Wheelwright S, Knickmeyer R. Elevated rates of testosterone-related disorders in women with autism spectrum conditions. *Horm Behav*. 2007 May;51(5):597-604. Available from: PubMed; PMID 17462645
- Joy TR, Hegele RA. Prevalence of reproductive abnormalities among women with familial partial lipodystrophy. *Endocr Pract*. 2008 Dec;14(9):1126-32. Available from: PubMed; PMID 19158052
- Kaushal R, Parchure N, Bano G, Kaski JC, Nussey SS. Insulin resistance and endothelial dysfunction in the brothers of Indian subcontinent Asian women with polycystic ovaries. *Clin Endocrinol (Oxf)*. 2004 Mar;60(3):322-8. Available from: PubMed; PMID 15008997
- Kent SC, Gnatuk CL, Kunselman AR, Demers LM, Lee PA, Legro RS. Hyperandrogenism and hyperinsulinism in children of women with polycystic ovary syndrome: a controlled study. *J Clin Endocrinol Metab*. 2008 May;93(5):1662-9. Available from: PubMed; PMID 18270257
- Khan KA, Stas S, Kurukulasuriya LR. Polycystic ovarian syndrome. *J Cardiometab Syndr*. 2006 Spring;1(2):125-30; quiz 31-2. Available from: PubMed; PMID 17679815
- Legro RS, Kunselman AR, Demers L, Wang SC, Bentley-Lewis R, Dunaif A. Elevated dehydroepiandrosterone sulfate levels as the reproductive phenotype in the brothers of women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 2002 May;87(5):2134-8. Available from: PubMed; PMID 11994353
- Lenarcik A, Bidzinska-Speichert B, Tworowska-Bardzinska U, Krepula K. Hormonal abnormalities in first-degree relatives of women with polycystic ovary syndrome (PCOS). *Endokrynol Pol*. 2011;62(2):129-33. Available from: PubMed; PMID 21528474
- Luque-Ramirez M, San Millan JL, Escobar-Morreale HF. Genomic variants in polycystic ovary syndrome. *Clin Chim Acta*. 2006 Apr;366(1-2):14-26. Available from: PubMed; PMID 16337616
- Merkin SS, Azziz R, Seeman T, Calderon-Margalit R, Daviglius M, Kiefe C, Matthews K, Sternfeld B, Siscovick D. Socioeconomic status and polycystic ovary syndrome. *J Womens Health (Larchmt)*. 2011 Mar;20(3):413-9. Available from: PubMed; PMID 21323584
- Mirzaei F, Kazemi N. Prevalence of polycystic ovary syndrome in women with type 2 diabetes in Kerman, Iran. *Metab Syndr Relat Disord*. 2008 Sep;6(3):215-7. Available from: PubMed; PMID 18710333
- Moini A, Sarraffion F, Ziaei S, Faghihzadeh S, Arabipoor A. A possible role for familial thrombophilia in women with polycystic ovarian syndrome. *Gynecol Endocrinol*. 2011 Feb;27(2):80-5. Available from: PubMed; PMID 21231824
- Moran C, Azziz R. The role of the adrenal cortex in polycystic ovary syndrome. *Obstet Gynecol Clin North Am*. 2001 Mar;28(1):63-75. Available from: PubMed; PMID 11293004

- Moran C, Azziz R. 21-hydroxylase-deficient nonclassic adrenal hyperplasia: the great pretender. *Semin Reprod Med.* 2003 Aug;21(3):295-300. Available from: PubMed; PMID 14593552
- Norman RJ. Obesity, polycystic ovary syndrome and anovulation--how are they interrelated? *Curr Opin Obstet Gynecol.* 2001 Jun;13(3):323-7. Available from: PubMed; PMID 11396658
- Omran MY. Metformin and polycystic ovary syndrome. *Int J Health Sci (Qassim).* 2007 Jan;1(1):75-80. Available from: PubMed; PMID 21475454
- Padmanabhan V. Polycystic ovary syndrome--"A riddle wrapped in a mystery inside an enigma". *J Clin Endocrinol Metab.* 2009 Jun;94(6):1883-5. Available from: PubMed; PMID 19494163
- Pall M, Stephens K, Azziz R. Family size in women with polycystic ovary syndrome. *Fertil Steril.* 2006 Jun;85(6):1837-9. Available from: PubMed; PMID 16650417
- Petermann TS, Cartes A, Maliqueo M, Vantman D, Gutierrez C, Toloza H, Echiburu B, Recabarren SE. Patterns of hormonal response to the GnRH agonist leuprolide in brothers of women with polycystic ovary syndrome: a pilot study. *Hum Reprod.* 2004 Dec;19(12):2742-7. Available from: PubMed; PMID 15358722
- Recabarren SE, Sir-Petermann T, Rios R, Maliqueo M, Echiburu B, Smith R, Rojas-Garcia P, Recabarren M, Rey RA. Pituitary and testicular function in sons of women with polycystic ovary syndrome from infancy to adulthood. *J Clin Endocrinol Metab.* 2008 Sep;93(9):3318-24. Available from: PubMed; PMID 18544620
- Recabarren SE, Smith R, Rios R, Maliqueo M, Echiburu B, Codner E, Cassorla F, Rojas P, Sir-Petermann T. Metabolic profile in sons of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2008 May;93(5):1820-6. Available from: PubMed; PMID 18230657
- Ribeiro AL, Scapinelli A, Tamanaha S, Oliveira RM, Kowastch I, Mathias W, Jr., Aoki T, Aldrighi JM. Myeloperoxidases and polycystic ovary syndrome. *Gynecol Endocrinol.* 2012 Jan;28(1):3-6. Available from: PubMed; PMID 21615238
- Roldan B, San Millan JL, Escobar-Morreale HF. Genetic basis of metabolic abnormalities in polycystic ovary syndrome: implications for therapy. *Am J Pharmacogenomics.* 2004;4(2):93-107. Available from: PubMed; PMID 15059032
- Saez ME, Gonzalez-Sanchez JL, Ramirez-Lorca R, Martinez-Larrad MT, Zabena C, Gonzalez A, Moron FJ, Ruiz A, Serrano-Rios M. The CAPN10 gene is associated with insulin resistance phenotypes in the Spanish population. *PLoS One.* 2008;3(8):e2953. Available from: PubMed; PMID 18698425
- Sam S, Legro RS, Bentley-Lewis R, Dunaif A. Dyslipidemia and metabolic syndrome in the sisters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2005 Aug;90(8):4797-802. Available from: PubMed; PMID 15899949
- Sam S, Sung YA, Legro RS, Dunaif A. Evidence for pancreatic beta-cell dysfunction in brothers of women with polycystic ovary syndrome. *Metabolism.* 2008 Jan;57(1):84-9. Available from: PubMed; PMID 18078863
- Schuring AN, Welp A, Gromoll J, Zitzmann M, Sonntag B, Nieschlag E, Greb RR, Kiesel L. Role of the CAG repeat polymorphism of the androgen receptor gene in polycystic ovary syndrome (PCOS). *Exp Clin Endocrinol Diabetes.* 2012 Feb;120(2):73-9. Available from: PubMed; PMID 22068615
- Sir-Petermann T, Angel B, Maliqueo M, Carvajal F, Santos JL, Perez-Bravo F. Prevalence of Type II diabetes mellitus and insulin resistance in parents of women with polycystic ovary syndrome. *Diabetologia.* 2002 Jul;45(7):959-64. Available from: PubMed; PMID 12136394
- Sir-Petermann T, Maliqueo M, Codner E, Echiburu B, Crisosto N, Perez V, Perez-Bravo F, Cassorla F. Early metabolic derangements in daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2007 Dec;92(12):4637-42. Available from: PubMed; PMID 17848407
- Sir-Petermann T, Codner E, Perez V, Echiburu B, Maliqueo M, Ladron de Guevara A, Preisler J, Crisosto N, Sanchez F, Cassorla F, Bhasin S. Metabolic and reproductive features before and during puberty in daughters of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2009 Jun;94(6):1923-30. Available from: PubMed; PMID 19223518
- Sir-Petermann T, Ladron de Guevara A, Codner E, Preisler J, Crisosto N, Echiburu B, Maliqueo M, Sanchez F, Perez-Bravo F, Cassorla F. Relationship between anti-Mullerian hormone (AMH) and insulin levels during different tanner stages in daughters of women with polycystic ovary syndrome. *Reprod Sci.* 2012 Apr;19(4):383-90. Available from: PubMed; PMID 22344736
- Srikanthan P, Korenman S, Davis S. Polycystic ovarian syndrome: the next cardiovascular dilemma in women? *Endocrinol Metab Clin North Am.* 2006 Sep;35(3):611-31, x. Available from: PubMed; PMID 16959589
- Strauss JF, 3rd. Some new thoughts on the pathophysiology and genetics of polycystic ovary syndrome. *Ann N Y Acad Sci.* 2003 Nov;997:42-8. Available from: PubMed; PMID 14644808
- Taylor MC, Reema Kar A, Kunselman AR, Stetter CM, Dunaif A, Legro RS. Evidence for increased cardiovascular

events in the fathers but not mothers of women with polycystic ovary syndrome. *Hum Reprod.* 2011 Aug;26(8):2226-31. Available from: PubMed; PMID 21505042

mouse model of polycystic ovary syndrome. *Mol Hum Reprod.* 2010 Apr;16(4):260-6. Available from: PubMed; PMID 19828691

Unluhizarci K, Ozocak M, Tanriverdi F, Atmaca H, Kelestimur F. Investigation of hypothalamo-pituitary-gonadal axis and glucose intolerance among the first-degree female relatives of women with polycystic ovary syndrome. *Fertil Steril.* 2007 Jun;87(6):1377-82. Available from: PubMed; PMID 17336975

Urbanek M, Sam S, Legro RS, Dunaif A. Identification of a polycystic ovary syndrome susceptibility variant in fibrillin-3 and association with a metabolic phenotype. *J Clin Endocrinol Metab.* 2007 Nov;92(11):4191-8. Available from: PubMed; PMID 17785364

Vantyghem MC, Vincent-Desplanques D, Defrance-Faivre F, Capeau J, Fermon C, Valat AS, Lascols O, Hecart AC, Pigny P, Delemer B, Vigouroux C, Wemeau JL. Fertility and obstetrical complications in women with LMNA-related familial partial lipodystrophy. *J Clin Endocrinol Metab.* 2008 Jun;93(6):2223-9. Available from: PubMed; PMID 18364375

Witchel SF. Puberty and polycystic ovary syndrome. *Mol Cell Endocrinol.* 2006 Jul 25;254-255:146-53. Available from: PubMed; PMID 16750596

Xita N, Georgiou I, Tsatsoulis A. The genetic basis of polycystic ovary syndrome. *Eur J Endocrinol.* 2002 Dec;147(6):717-25. Available from: PubMed; PMID 12457445

Yildiz BO, Yarali H, Oguz H, Bayraktar M. Glucose intolerance, insulin resistance, and hyperandrogenemia in first degree relatives of women with polycystic ovary syndrome. *J Clin Endocrinol Metab.* 2003 May;88(5):2031-6. Available from: PubMed; PMID 12727950

Yildiz BO, Goodarzi MO, Guo X, Rotter JI, Azziz R. Heritability of dehydroepiandrosterone sulfate in women with polycystic ovary syndrome and their sisters. *Fertil Steril.* 2006 Dec;86(6):1688-93. Available from: PubMed; PMID 17074350

Yilmaz M, Bukan N, Ersoy R, Karakoc A, Yetkin I, Ayvaz G, Cakir N, Arslan M. Glucose intolerance, insulin resistance and cardiovascular risk factors in first degree relatives of women with polycystic ovary syndrome. *Hum Reprod.* 2005 Sep;20(9):2414-20. Available from: PubMed; PMID 15890734

Zhao H, Xu X, Xing X, Wang J, He L, Shi Y, Shi Y, Zhao Y, Chen ZJ. Family-based analysis of susceptibility loci for polycystic ovary syndrome on chromosome 2p16.3, 2p21 and 9q33.3. *Hum Reprod.* 2012 Jan;27(1):294-8. Available from: PubMed; PMID 22081247

Zhu JQ, Zhu L, Liang XW, Xing FQ, Schatten H, Sun QY. Demethylation of LHR in dehydroepiandrosterone-induced