

Asthma Guidelines – EPR3 Literature Review Search Strategy Progress Summary

Corticosteroids

Search Strategies

March 24, 2006 Mini-Update Search (Covering Dec. 1, 2005 – Mar. 15, 2006):

Run the strategy—with just updated dates:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate-salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND 2005/12/01:2006/03/15[dp] AND English[la] AND human[mh] AND hasabstract
32 hits

Then run the strategy with the updated dates and with the publication-type limits:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate-salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND 2005/12/01:2006/03/15[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))
13 hits-Removed duplicate to end up with final set of **12 hits**.

Get the residual set, which is the first set NOT second set. In my Pubmed session, it was:

#1 NOT #2

19 hits

January 10, 2006 Mini-Update Search (Covering Oct 2, 2005 – Jan 1, 2006):

Run the strategy—with just updated dates:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate-salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND 2005/10/02:2006/01/01[dp] AND English[la] AND human[mh] AND hasabstract
10 hits

Then run the strategy with the updated dates and with the publication-type limits:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate-salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND 2005/10/02:2006/01/01[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))
4 hits

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Get the residual set, which is the first set NOT second set. In my Pubmed session, it was:
#2 NOT #3

6 hits

November 2, 2005 Mini-Update Search (covering July 3, 2005 – Nov 2, 2005):

Run original strategy—with just updated dates:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate - salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND 2005/07/03:2005/11/02[dp] AND English[la] AND human[mh] AND hasabstract
33 hits

Now limit to specific types of studies (RCTs, meta-analysis, and systematic review):

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate - salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND 2005/07/03:2005/11/02[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))
12 results

Compared set of 33 to set of 12 to find unique titles. Found 21 new citations.

21 results

August 3, 2005 Update Search (covering Nov. 1, 2004 – Aug. 3, 2005):

Run original strategy--with just updated dates:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate - salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh]) AND 2004/11/01:2005/08/03[dp] AND English[la] AND human[mh] AND hasabstract
57 results

Run the strategy without the “adverse effects string”:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate - salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND 2004/11/01:2005/08/03[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))
59 results

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Limit to specific types of studies (RCTs, meta-analysis, and systematic reviews):

Asthma[mh] AND ("inhaled corticosteroids" OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate - salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh]) AND 2004/11/01:2005/08/03[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))
29 results

Find the difference between the set of 57 and the set of 29:

28 results

Create a list of 9 transfers from Special Considerations:

9 results

Compare the set of 59 to the set of 57 to locate unique articles:

22 results

November 2004 Search Strategy:

Asthma[mh] AND (inhaled corticosteroids OR adrenal cortex hormones[mh] OR glucocorticoids OR Ciclesonide[substance name] OR Fluticasone[substance name] OR Flunisolide[substance name] OR Beclomethasone[mh] OR Budesonide[mh] OR mometasone furoate[Substance Name] OR Triamcinolone[mh] OR Prednisone[mh] OR Prednisolone[mh] OR Methylprednisolone[mh] OR Dexamethasone[mh] OR Hydrocortisone[mh] OR fluticasone propionate - salmeterol combination[substance name] OR Drug therapy, combination[mh]) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh]) AND 2000/01/01:2004/11/01[dp] AND English[la] AND human[mh] AND hasabstract
649 results

NOTE: the group did not screen any results from the October 2004 meeting. November 2004 set was the only screening so far.