

Appendix G-2

Articles from Recent Peer-reviewed Literature Evaluated in the 2006 FDA Update/Review (Available on panel package CD)

Bast-Pettersen R, Ellingsen DG, Efskind J, Jordskogen R, Thomassen Y: A neurobehavioral study of chloralkali workers after the cessation of exposure to mercury vapor. *Neurotoxicology* 2005; 26(3):427-437.

Bates MN, Fawcett J, Garrett N, Cutress T, Kjellstrom T: Health effects of dental amalgam exposure: a retrospective cohort study. *Int J Epidemiol* 2004; 33(4):894-902.

Bellinger DC, Trachtenberg F, Barregard L, Tavares M, Cernichiari E, Daniel D, McKinlay S: Neuropsychological and renal effects of dental amalgam in children: A randomized clinical trial. *J Am Med Assoc* 2006; 295(15):1775-1783.

Bittner AC, Echeverria D, Woods JS, Aposhian HV, Naleway C, Martin MD, Mahurin RK, Heyer NJ, Cianciola M: Behavioral effects of low-level exposure to Hg⁰ among dental professionals: A cross-study evaluation of psychomotor effects. *Neurotox Teratol* 1998; 20(4):429-439.

Bjornberg KA, Vahter M, Berglund B, Niklasson B, Blennow M, Sandborgh-Englund G: Transport of methylmercury and inorganic mercury to the fetus and breast-fed infant. *Environ Hlth Perspec* 2005; 113(10): 1381-1385.

Davis BJ, Price HC, O'Connor RW, Fernando R, Rowland AS, Morgan DL: Mercury vapor and female reproductive toxicity. *Toxicol Sci* 2001; 59:291-296.

DeRouen TA, Martin MD, Leroux BG, Townes BD, Woods JS, Leitao J, Castro-Caldas A, Luis H, Bernardo M, Rosenbaum G, Martins IP: Neurobehavioral effects of dental amalgam in children: A randomized clinical trial. *J Am Med Assoc* 2006; 295(15): 1784-1792.

Dye BA, Schober SE, Dillon CF, Jones RL, Fryar C, McDowell M, Sinks TH: Urinary mercury concentrations associated with dental restorations in adult women aged 16-49 years: United States, 1999-2000. *Occup Environ Med* 2005; 62(6):368-375.

Echeverria D, Aposhian HV, Woods JS, Heyer NJ, Aposhian MM, Bittner AC Jr, Mahurin RK, Cianciola M: Neurobehavioral effects from exposure to dental amalgam Hg⁰: new distinctions between recent exposure and Hg body burden. *FASEB J* 1998; 12:971-980.

Echeverria D, Woods JS, Heyer NJ, Rohlman DS, Farin FM, Bittner AC, Jr., Li T, Garabedian C: Chronic low-level mercury exposure, BDNF polymorphism, and associations with cognitive and motor function. *Neurotoxicol Teratol* 2005; 27(6):781-796.

Echeverria D, Woods JS, Heyer NJ, Rohlman D, Farin FM, Li T, Garabedian CE: The association between a genetic polymorphism of coproporphyrinogen oxidase, dental mercury exposure and neurobehavioral response in humans. *Neurotoxicol Teratol* 2006; 28(1):39-48.

Elghany NA, Stopford W, Bunn WB, Fleming LE: Occupational exposure to inorganic mercury vapour and reproductive outcomes. *Occup Med* 1997; 47(6):333-336.

Ellingsen DG, Bast-Pettersen R, Efskind J, Thomassen Y: Neuropsychological effects of low mercury vapor exposure in chloralkali workers. *Neurotoxicol* 2001; 22:249-258.

Factor-Litvak P, Hasselgren G, Jacobs D, Begg M, Kline J, Geier J, Mervish N, Schoenholtz S, Graziano J: Mercury derived from dental amalgams and neuropsychologic function. *Environ Health Perspect* 2003; 111(5):719-723.

Herr DW, Chanda SM, Graff JE, Barone SS, Jr., Beliles RP, Morgan DL: Evaluation of sensory evoked potentials in Long Evans rats gestationally exposed to mercury (Hg⁰) vapor. *Toxicol Sci* 2004; 82(1):193-206.

Heyer NJ, Echeverria D, Bittner AC, Jr., Farin FM, Garabedian CC, Woods JS: Chronic low-level mercury exposure, BDNF polymorphism, and associations with self-reported symptoms and mood. *Toxicol Sci* 2004; 81(2):354-363.

Heyer NJ, Bittner AC Jr, Echeverria D, Woods JS: A cascade of the interaction of mercury and coproporphyrinogen oxidase (CPOX) polymorphism on the heme biosynthetic pathway and porphyrin production. *Tox Lett* 2006; 161:159-166.

Hujoel PP, Lydon-Rochelle M, Bollen AM, Woods JS, Geurtsen W, del Aguila MA: Mercury exposure from dental filling placement during pregnancy and low birth weight risk. *Am J Epidemiol* 2005; 161(8):734-740.

Jonsson F, Sandborgh-Englund G, Johanson G: A compartmental model for the kinetics of mercury vapor in humans. *Toxicol Appl Pharmacol* 1999; 155:161-168.

Kingman A, Albers JW, Arezzo JC, Garabrant DH, Michalek JE: Amalgam exposure and neurological function. *Neurotoxicology* 2005; 26(2):241-255.

Kingman A, Albertini T, Brown LJ: Mercury concentrations in urine and whole blood associated with amalgam exposure in a US military population. *J Dent Res* 1998; 77(3):461-471.

Letz R, Gerr F, Cragle D, Green RC, Watkins J, Fidler AT: Residual neurologic deficits 30 years after occupational exposure to elemental mercury. *Neurotoxicol* 2000; 21(4):459-474.

Luglie PF, Campus G, Chessa G, Spano G, Capobianco G, Fadda GM, Dessole S: Effect of amalgam fillings on the mercury concentration in human amniotic fluid. *Arch Gynecol Obstet* 2005; 271(2):138-142.

Morgan DL, Chanda SM, Price HC, Fernando R, Liu J, Brambila E, O'Connor RW, Beliles RP, Barone Jr S: Disposition of inhaled mercury vapor in pregnant rats: Maternal toxicity and effects on developmental outcome. *Toxicol Sci* 2002; 66:261-273.

Saxe SR, Wekstein MW, Kryscio RJ, Henry RG, Cornett CR, Snowdon DA, Grant FT, Schmitt FA, Donegan SJ, Wekstein DR, Ehmann WD, Markesbery WR: Alzheimer's disease, dental amalgam and mercury. *J Am Dent Assoc* 1999; 130:191-199.

Tsuji JS, Williams PR, Edwards MR, Allamneni KP, Kelsh MA, Paustenbach DJ, Sheehan PJ: Evaluation of mercury in urine as an indicator of exposure to low levels of mercury vapor. *Environ Health Perspect* 2003; 111(4):623-630.

Urban P, Nerudova J, Cabelkova Z, Krajca V, Lukas E, Cikrt M: EEG photic driving in workers exposed to mercury vapors. *Neurotoxicology* 2003; 24(1):23-33.

Urban P, Gobba F, Nerudova J, Lukas E, Cabelkova Z, Cikrt M: Color discrimination impairment in workers exposed to mercury vapor. *Neurotoxicology* 2003; 24(4-5):711-716.

Vamnes JS, Eide R, Isrenn R, Hol PJ, Gjerdet NR: Blood mercury following DMPS administration to subjects with and without dental amalgam. *Sci Total Environ* 2003; 308(1-3):63-71.

Ventura DF, Costa MT, Costa MF, Berezovsky A, Salomao SR, Simoes AL, Lago M, Pereira LH, Faria MA, De Souza JM, Silveira LC: Multifocal and full-field electroretinogram changes associated with color-vision loss in mercury vapor exposure. *Vis Neurosci* 2004; 21(3):421-429.

Woods JS, Echeverria D, Heyer NJ, Simmonds PL, Wilkerson J, Farin FM: The association between genetic polymorphisms of coproporphyrinogen oxidase and an atypical porphyrinogenic response to mercury exposure in humans. *Toxicol Appl Pharmacol* 2005; 206(2):113-120.

Yoshida M, Watanabe C, Satoh M, Yasutake A, Sawada M, Ohtsuka Y, Akama Y, Tohyama C: Susceptibility of metallothionein-null mice to the behavioral alterations caused by exposure to mercury vapor at human-relevant concentration. *Toxicol Sci* 2004; 80(1):69-73.

Yoshida M, Watanabe C, Kishimoto M, Yasutake A, Satoh M, Sawada M, Akama Y: Behavioral changes in metallothionein-null mice after the cessation of long-term, low-level exposure to mercury vapor. *Toxicol Lett* 2006; 161(3):210-218.

Yoshizawa K, Rimm EB, Morris S, Spate VL, Hsieh C, Spiegelman D, Stampfer MJ, Willett WC: Mercury and the risk of coronary heart disease in men. *N Engl J Med* 2002; 347(22):1755-1760.