

Bibliography of Mercury Topics

Table of Contents

Release of Mercury From Dental Amalgam2
 Mercury in Body Tissues: Animal and Human Studies5
 Amalgam Mercury in Body Tissues: Animal and Human Studies6
 Amalgam Mercury in Body Tissues: Human Autopsy Studies7
 Amalgam Mercury in Body Tissues: Human DMPS\DMSA Chelation Studies8
 Mercury in Blood/Urine: Diagnostic Invalidity (Body Burden or Toxic Effects)9
 Amalgam Mercury in Blood/Urine10
 Amalgam Contribution to Mercury Body Burden11
 Mercury Reviews/Symptoms12
 Mercury Standards/Regulation13
 Amalgam Mercury Risk Assessments.....14
 Mercury/Amalgam Mercury: Maternal-Fetal Transfer/Mothers' Milk/Effects.....15
 Dental Mercury Adverse Effects.....18
 Mercury: Periodontal Disease20
 Mercury: Antibiotic Resistance.....21
 Mercury: Alzheimer's Disease.....22
 Mercury: Parkinson's Disease.....24
 Mercury: Multiple Sclerosis25
 Mercury: Lou Gehrig's Disease (ALS).....26
 Mercury: Neurologic Adverse Effects.....27
 Mercury: Immunologic Adverse Effects.....29
 Mercury: Cardiovascular Adverse Effects31
 Mercury: Reproductive Effects.....35
 Mercury: Other Adverse Effects.....36
 Dental Mercury and the Environment/Workplace.....37
 Dental Composite Biocompatibility.....38

Release of Mercury From Dental Amalgam

1. Bjorkman, L; et al. Mercury in saliva and feces after removal of amalgam fillings. *J Dent Res*, 75:38, A165, 1996.
2. Boyer, DB. Mercury Vaporization from Corroded Dental Amalgam. *Dent Mater*. 4:89-93, 1988.
3. Brune, D; et al. Gastrointestinal and in vitro release of copper, cadmium, indium, mercury and zinc from conventional and copper-rich amalgams. *Scand J Dent Res*, 91:66-71, 1983.
4. Chan, KC; Svare, CW. Mercury Vapor Emission from Dental Amalgam. *J Dent Res*, 51(2):555-9, 1972.
5. Cooley, RL; et al. Mercury Vapor Emitted During Ultraspeed Cutting of Amalgam. *J Indiana Dent Assoc*, 57(2):28-31, 1978.
6. Cutright, DE; et al. Systemic mercury levels caused by inhaling mist during high-speed amalgam grinding. *J Oral Med*, 28(4):100-4, 1973.
7. Dhuru, V; et al. Emission of mercury vapor from various amalgam specimens. *J Dent Res*, 192, A200, 1983.
8. DuPreez, IC; et al. Mercury release during polishing of amalgam restorations. *J Dent Res*, 68(4):721, A31, 1989.
9. Emler, BF; Cardone, M. An assessment of Mercury in Mouth Air. *J Dent Res*., 64:247, A652, 1985.
10. Ferracane, J; et al. Time-dependent Dissolution of Amalgams into Saline Solution. *J Dent Res*, 65:192, A207.
11. Gay et al. Chewing Releases Mercury from Fillings. *Lancet*, 985, 5 May 1979.
12. Gjerdet, NR; et al. Porosity, Strength, and Mercury Content of Amalgam Made By Different Dentists in their Own Practice. *Dent Mater*. 1: 150-39 1985.
13. Hummert, TW; et al. Mercury in Solution Following Exposure of Various Amalgams to Carbamide Peroxides. *Amer J Dent*., 6(6):305-9, dec 1993.
14. Engle JH; et al. Quantitation of Total Mercury Released During Dental Procedures. *Dent Mater*, 8:176-180, 1992.
15. Lussi, A. Mercury Release From Amalgam Into Saliva: An In Vitro Study. *Schweiz Monatsschr Zahnmed*., 103(6):722-, 1993.
16. Lussi, A; et al. Mercury and Copper Release From Amalgams in Different Soft Drinks. *Dent Materials*, 279-81, 1990.
17. Mahler, DB; et al. Hg Emission from Dental Amalgam as Related to the Amount of Sn in the Ag-Hg Phase. *J Dent Res*, 73(10):1663-8, 1994.
18. Malmstrom, C; et al. Amalgam-derived Mercury in Feces. Conference on Trace Elements in Health and Disease, Stockholm, 15-29 May, 1992.
19. Marek, M. Mercury Dissolution From Dental Amalgams In Solutions of Different Aggressiveness. *J Dent Res*., 77(SI-A):120, A115, 1980.
20. Marek, M. Acceleration of Corrosion of Dental Amalgam by Abrasion. *J Dent Res*, 62, 189, A179, 1983.

22. Marek, M. The Release of Mercury from Dental Amalgam: The Mechanism and in Vitro Testing. *J Dent Res*, 1990.
23. Marek, M. The Effect of Tin on the Corrosion Behavior of the Ag-Hg Phase of Dental Amalgam and Dissolution of mercury. *J Dent Res*, 69(12):1786-90, 1990.
24. Marek, M. Interactions Between Dental Amalgams and the Oral Environment. *Adv Dent Res*, 6:100-9, 1992.
25. Marek, M. The Effect of the Electrode Potential on the Release of Mercury from Dental Amalgam. *J Dent Res*, 72(9):1315-9, 1993.
26. Marek, M. Electrode Reactions on Freshly Generated Fracture Surfaces of Dental Amalgam. A733, IADR, 1993.
27. Marek, M. Mercury Vapor Emission from Fresh Fracture Surfaces of Dental Amalgam. A26, IADR, 1994.
28. Masi, JV. Corrosion of Restorative Materials: The Problem and the Promise. Symposium: Status Quo and Perspectives of Amalgam and Other Dental Materials, April 29-May 1, 1994.
29. Mathewson, RJ; Lu, KH. Influences of Clinical Factors on Marginal Adaptation and Residual Mercury Content of amalgam. *J Dent Res*, 54(1):104-9, 1975.
30. Mitchell, JA; et al. X-ray diffraction studies of mercury diffusion and surface stability of dental amalgam. *J Dent Res*, 34(5):744, 1955.
31. Naguib, EA; et al. Role of Fluoride on Corrodability of Dental Amalgams. *Egypt Dent J*, 40(4):909-18, Oct 1994.
32. Nimmo, A; et al. Particulate inhalation during the removal of amalgam restorations. *J Prosth Dent*, 63:228-33, 1990.
33. Okabe, T. Mercury in the structure of dental amalgam. *Dent Materials*, 3(1):1-7, 1987.
34. Olsson, S; et al. Release of Elements due to Electrochemical Corrosion of Dental Amalgam. *J Dent Res*, 73(1):33-43, 1994.
35. Patterson, JE; et al. Mercury In Human Breath From Dental Amalgams. *Bull Environ Contam Toxicol.*, 34:459-68, 1985.
36. Rao, GS; et al. Comparative Salivary Dissolution of Mercury from Set Dental Amalgams. *Feder Proceed*, 45:441, A1667, 1986.
37. Reinhardt, JW; et al. Mercury vaporization during amalgam removal. *J Prosth Dent*, 59:62-4, 1983.
38. Reinhardt, JW; et al. Exhaled Mercury Following Removal and Insertion of amalgam Restorations. *J Prosth Dent*, 49(5):652-4, 1983.
39. Richards, JM; Warren, PJ. Mercury vapor released during the removal of old amalgam restorations. *Brit Dent J*, 159:231-2. 1985.
40. Robertello, FJ; et al. The Effect of Bleaching on Mercury Release From Amalgam. *J Dent Res.*, 77(SI-A):243, A1102, 1998.
41. Sarkar, NK. Mechanism of beta-1 formation in conventional dental amalgam. *J Dent Res*, 73:104, A19, 1994.
42. Solis, A; et al. Mercury vapor Release from Amalgam After polishing. *J Dent Res*, 71, 284, A1424, 1992.
43. Svare, CM; Chan, KC. Effect of Surface Treatment on the Corrodibility of Dental Amalgam. *J Dent Res*, 51(1):44-6, 1972.

44. Svare, CW; et al. Effect of Retainer Margin and Distribution of Mercury on Dental Amalgam mercury Vaporization Patterns. *J Dent Res*, 52(2):217-20, 1973.
45. Svare, CW; et al. Quantitative Measure of Mercury Vapor Emission from Setting Dental Amalgam. *J Dent Res*, 52(4):740-3, 1973.
46. Teixeira, L; et al. Printing of Mercury Distribution on the Surface of Dental Amalgams. *JADA*, 81:1159-62, 1970.
47. Von Fraunhofer, JA; Staheli, PJ. Corrosion of Dental Amalgam. *Nature*, 240:304-6, 1972.

Mercury in Body Tissues: Animal and Human Studies

48. Arvidson, B. Accumulation of Mercury in Brainstem Nuclei of Mice After Retrograde Axonal Transport. *Acta Neurol Scand.*, 82(4):234-7, Oct 1990.
49. Arvidson, B. Inorganic mercury is transported from muscular nerve terminals to spinal and brainstem motoneurons. *Muscle Nerve*, 15(10):1089-94, 1992.
50. Cherian, G; et al. Radioactive mercury distribution in biological fluids and excretion in human subjects after inhalation of mercury vapor. *Arch Environ Health*: 109-14, 1978.
51. Endo, T; et al. Gastrointestinal Absorption of Inorganic Mercuric Compounds in Vivo and in Situ. *Toxicol Appl Pharmacol*, 74:223-9, 1984.
52. Guccione, P; et al. Distribution of Mercury in the Rat after Long-Term Exposure to Vapors. *J Dent Res*, 54(6):1235, 1975.
53. Henriksson, J; Tjalve, H. Uptake of Inorganic Mercury in the Olfactory Bulbs Via Olfactory Pathways in Rats. *Environ Res.*, 77(2):130-40, May 1998.
54. Hursh et al. Clearance of mercury (Hg-197, Hg-203) vapor inhaled by human subjects. *Arch Environ Hlth*, 31:302-9, 1976.
55. Khayat, A; Dencker, L. Interactions between selenium and mercury in mice: Marked retention in the lung after inhalation of metallic mercury. *Chem Biol Interactions*, 46:283-98, 1983.
56. Khayat, A; Dencker, L. Organ and cellular distribution of inhaled metallic mercury in the rat and marmoset monkey (*Callithrix jacchus*): Influence of ethyl alcohol pretreatment. *Acta Pharmacol Toxicol*, 55:145-52, 1984.
57. Magos, L. Mercury-blood interaction and mercury uptake by the brain after vapor exposure. *Environ Res*, 1:323-7, 1967.
58. Nielsen Kudsk, F. Absorption of Mercury Vapour from the Respiratory Tract in Man. *Acta Pharmacol Toxicol*, 23:250-62, 1965.
59. Opitz, H; et al. Demonstration of mercury in the human brain and other organs 17 years after metallic mercury exposure. *Clin Neuropath*, 15(3):139-44, 1996.
60. Pamphlett, R; Coote, P. Entry of Low Doses of Mercury Vapor Into the Nervous System. *Neurotoxicology*, 19(1):39-47, Feb 1998.
61. Teisinger, J; et al. Pulmonary Retention and Excretion of Mercury Vapors in Man. *Indust Med Surg*, 580-584, 1965.

Amalgam Mercury in Body Tissues: Animal and Human Studies

62. Sensory Neurons Innervating the Tooth Pulp in the Rat. *Neurosci Lett.*, 115(1):29-32, 17 Jul 1990.
63. Bolewska, J; et al. Amalgam Associated Mercury Accumulations in Normal Oral Mucosa, Oral Mucosa Lesions of Lichen Planus and Contact Lesions Associated With Amalgam. *J Oral Path Med.*, 19:39-42, 1990.
64. Cutright, DE; et al. Systemic mercury levels caused by inhaling mist during high-speed amalgam grinding. *J Oral Med*, 28(4):100-4, 1973.
65. Danscher, G; et al. Traces of Mercury in Organs from Primates with Amalgam Fillings *Experim Molec Pathol*, 52:291-9, 1990.
66. Freden, H; et al. Mercury Content in Gingival Tissues Adjacent to Amalgam Fillings. *Odont Rev.*, 25:207-10, 1974.
67. Fredin, B. The Distribution of Mercury in Various Tissues of Guinea Pigs After Application of Dental Amalgam Fillings. *Sci Total Environ.*, 66:263-8, 1987.
68. Hahn, LJ; et al. Dental "silver " tooth fillings: a source of mercury exposure revealed by whole body scan and tissue analysis. *FASEB J*, 3:2641-6, 1989.
69. Hahn, LJ; et al. Whole-Body Imaging of the Distribution of Mercury Released from Denta Fillings into Monkey Tissues. *FASEB J*. 4:3256-609 1990.
70. Takahashi, Y; et al. Number of Amalgam Fillings in Pregnant Rats and Mercury Concentration in Their Fetuses. *J Dent Res.*, 71SI:571, A445, 1992.
71. Takahashi, Y; et al. Mercury Content in Tissues of Pregnant Rats with Dental Amalgam. *J Dent Res.*, 71SI:(Scand Div), 1992.
72. Vimy, MJ; et al. Maternal-fetal distribution of mercury (²⁰³Hg released from dental amalgam fillings. *Amer J Physiol*, 258(RICP 27):R939-45, 1990.
73. Vimy, MJ; et al. Mercury from Maternal "Silver Fillings in Sheep and Human Breast Milk *Biolog Trace Element Res.*, 56:143-52, 1997.

Amalgam Mercury in Body Tissues: Human Autopsy Studies

74. Drasch, G; et al. Mercury Burden of Human Fetal and Infant Tissues. *Europ J Pediatrics*, 153(8):607-10, 1994.
75. Eggleston, DW; Nylander, M. Correlation of Dental Amalgam with Mercury in Brain Tissue. *J Prosth Dent*, 58(6):704-7, 1987.
76. Friberg, L; et al. Mercury in the Central Nervous System in Relation to Amalgam Fillings. *Swed Med J*, 83(7):519-22, 1986.
77. Nylander, M. Mercury in Pituitary Glands of Dentists. *Lancet*:442.1, 22 Feb 1986.
78. Nylander, M; et al. Mercury concentrations in the human brain and kidneys in relation to exposure from dental amalgam fillings. *Swed Dent J*, 11:179-87, 1987

Amalgam Mercury in Body Tissues: Human DMPS/DMSA Chelation Studies

79. Aposhian, HV; et al. Urinary mercury after administration of 2,3-dimercaptopropane-1-sulfonic acid: Correlation with dental amalgam score. *FASEB J*, 6:2472-6, 1992.
80. Aposhian, HV. Mobilization of Mercury and Arsenic in Humans by Sodium
81. 2,3-Dimercapto-Propand Sulfonate (DMPS). *Environ Health Perspect.*, 106(S4):1017-25 Aug 1998.
82. Gerhard, I; et al. Diagnosis of Heavy Metal Loading by the Oral DMPS and Chewing Gum Tests. *Clinical Lab.*, 38:404-11, 1992.
83. Godfrey, M; Campbell, N: Confirmation of Mercury Retention and Toxicity Using 2,3-Dimercapto-1-Propane Sulfonic Acid Sodium Salt (DMPS). *J Advance Med.*, 7(1):19-30, Spring 1994.
84. Gonzalez-Ramirez, D; et al. Sodium 2,3-Dimercaptopropane-1-Sulfonate Challenge Test for Mercury in Humans: II. Urinary Mercury, Porphyrins and Neurobehavioral Changes of Dental Workers in Monterrey, Mexico. *J Pharmacol Experim Ther*, 272:264-74, 1995.
85. Kostyniak, PJ; Soiefer, AL. A methylmercury toxicity model to test for possible adverse effects resulting from chelating agent therapy. *J Appl Toxicol*, 4(4):206-10, 1984.
86. Kostyniak, PJ. Methylmercury removal in the dog during infusion of 2,3-dimercaptosuccinic acid (DMSA). *J Toxicol Environ Health*, 11(4-6):947-57, 1983.
87. Zalups, RK. Influence of 2,3-Dimercaptopropane-1-Sulfonate (DMPS) and meso-2,3,-Dimercaptosuccinic Acid (DMSA) on the Renal Disposition of Mercury in Normal and Unineprhctomized Rats Exposed to Inorganic Mercury. *J Pharmacol Exp Ther.*, 267(2):791-800, Nov 1993.
88. Zander, D; et al. Studies on Human Exposure to Mercury. III: DMPS Induced Mobilization of Mercury in Subjects With and Without Amalgam Fillings. *Zentrablatt Fur Hygiene und Umweltmedizin*, 192:5, Feb 1992.

Mercury in Blood/Urine: Diagnostic Invalidity (Body Burden or Toxic Effects)

89. American Dental Association: Workshop Reaffirms Dental Amalgam Safety. ADA News. Pp. 1, 5-8, 30 July 1984.
90. Environmental Protection Agency (USA): Health Effects Update, Health Issue Assessment, Final Report. EPA-600/8-84-019F. Office of Health and Environmental Assessment, Washington, D.C. 1984.
91. Goldwater, LJ; Ladd, AC; Jacobs, MB: Absorption and Excretion of Mercury in Man: VII, Significance of Mercury in Blood. Arch Environ Health, 9: 735-41, 1964.
92. Jacobs, MB; et al. Absorption and Excretion of Mercury in Man: IV. Significance of Mercury in Urine. Arch Environ Health, 9:454-63, 1964.
93. Langan, DC; Fan, PL; Hoos, AA: The Use of Mercury in Dentistry: A Critical Review of the Recent Literature. JADA, 115:867-879, 1987.
94. Magos, L: Mercury-Blood Interaction and Mercury Uptake by the Brain After Vapor Exposure. Environ Res., 1:323-37, 1967.
95. National Institute of Dental Research/American Dental Association: Workshop: Biocompatibility of Metals Used in Dentistry. JADA, 109, 469-471, 1984.
96. National Institute for Occupational Safety and Health (USA, NIOSH): A Recommended Standard for Occupational Exposure to Inorganic Mercury. NTIS, No. PB-222 223, 1973.
97. Satoh, H; et al. Selective determination of elemental mercury in blood and urine exposed to mercury vapor in vitro. J Appl Toxicol, 1(3):177-81, 1981.
98. World Health Organization): Environmental Health Criteria, Vol. 118: Inorganic Mercury. Pg. 61. WHO, Geneva, Switzerland, 1991.

Amalgam Mercury in Blood/Urine

99. Abraham; et al. The Effect of Dental Amalgam Restorations on Blood Mercury Levels. *J Dent Res*, 63(1):71-3, 1984.
100. Bergerow, J; et al. Long Term Mercury Excretion in Urine After Removal of Amalgam Fillings. *Int Arch Occup Environ Health*, 66(3):209-12, 1994.
101. Cross, JD; et al. Methyl mercury in blood of dentists. *Lancet*:312-3, 5 Aug 1978.
102. Hoover, AW; Goldwater, LJ. Absorption and Excretion of Mercury in Man: X. Dental Amalgams as a Source of Urinary Mercury. *Arch Environ Health*, 12:506-8, 1966.
103. Kelman, GR. Urinary mercury excretion in dental personnel. *Brit J Indust Med*, 35(3):262-5, 1978.
104. Molin, M; et al. Kinetics of mercury in blood and urine after amalgam removal. *J Dent Res*, 74:420, A159, 1995.
105. Sandborgh-Englund, G; et al. Mercury In Biological Fluids After Amalgam Removal. *J Dent Res.*, 77(4):615-24, Apr 1998.
106. Snapp, KR; et al. The Contribution of Dental Amalgam to Mercury in Blood. *J Dent Res*, 68(5):780-5, 1989.
107. Zander, D; et al. Mercury Exposure of the Population: IV- Mercury Exposure of Male Dentists, Female Dentists and Dental Aides. *Zentralbl Hyg Umweltmed.*, 193(4):318-28, Dec 1992.

Amalgam Contribution to Mercury Body Burden

108. Brune, D; Evje, DM. Man's Mercury Loading from A Dental Amalgam. *Sci Tot Environ*, 44:51-63, p. 61, 1985.
109. Clarkson, TW; et al. Prediction of intake of mercury vapor from amalgams. In: *Biological Monitoring of Toxic Metals*, Eds: Clarkson, TW; et al. Plenum Press, NY, 1988.
110. Reinhardt, JW. Side-Effects: Mercury Contribution To Body Burden From Dental Amalgam. *Adv Dent Res*, 6:110-3, 1992.
111. Skare, I; Enqvist, A. Human Exposure to Mercury and Silver Released from Dental Amalgam Restorations. *Arch Environ Health*, 49(5):384-94, 1994.
112. Vimy, MJ; et al. Estimation of Mercury Body Burden from Dental Amalgam: Computer Simulation of a Metabolic Compartmental Model. *J Dent Res*, 65(12):1415-9, 1986.
113. Vimy, MJ; Lorscheider, FL. Dental amalgam mercury daily dose estimated from intro-oral vapor measurements: A predictor of mercury accumulation in human tissues. *J Trace Elem Exper Med*, 3:111-23, 1990.
114. WHO. *Environmental Health Criteria 118: Inorganic Mercury*, pp, 28-33, 84- 113, Geneva, 1991.

Mercury Reviews/Symptoms

115. Baker, JT, Chem Co. MSDS.
116. Casarett and Doull's. Toxicology: The Basic Science of Poisons, 3rd Ed., pp. 256 & 267. Macmillan Pub Co., NY, 1986.
117. Caulk Dentsply. Dispersalloy; MSDS.
118. Ellenhorn, MJ; et al. Medical Toxicology: Diagnosis and Treatment of Human Poisoning, pp. 1048-52, Elsevier, New York.
119. Enwonwu, CO. Potential Health Hazard of use of Mercury in Dentistry: Critical Review of the Literature. Environ Res, 42:257-74, 1987.
120. Fisher Scientific Chem Div. MSDS.
121. Goering, PL; et al. Symposium Overview: Toxicity Assessment of Mercury Vapor from Dental Amalgams. Fundamental Appl Toxicology, 19:319-29, 1992.
122. Goodman & Gilman. The Pharmacological Basis of Therapeutics, 8th Ed. Chap 66:1598-1602, 1990.
123. Kerr Mfg. Co. MSDS: Whitecap capsules.
124. Lorscheider, FL; Vimy, MJ. Evaluation of the safety issue of mercury release from dental fillings. FASEB J, 7:1432-3, 1993.
125. Lorscheider, FL; et al. Mercury Exposure From "Silver" Tooth Fillings: Emerging Evidence Questions a Traditional Dental Paradigm, FASEB J., 9:504-8, 1995.
126. Pleva, J. Mercury Poisoning from Dental Amalgam. Orthomol Psych, 12(3):184-93, 1983.
127. Pleva, J. Mercury from Dental Amalgams: Exposure and Effects. Internat J Risk Saf Med, 3:1-22, 1992.
128. USPHS. Dental Amalgam: A Scientific Review and Recommended Public Health Service Strategy for Research, Education and Regulation. CCEHRP, 1993.
129. Vimy, MJ. Toxic Teeth: The Chronic Mercury Poisoning of Modern Man. Chemistry Industry, 14-7, 1995.
130. WHO. Environmental Health Criteria 118: Inorganic Mercury, pp, 28-33, 84- 113, Geneva, 1991.
131. Wolff, MW; Osborne, JW; Hanson, AL. Mercury toxicity and dental amalgam. Neuro-Toxicology, 4(3):201-4, 1983.

Mercury Standards/Regulation

132. EPA. Mercury Health Effects: Final report. EPA-600/8-84-01F, 1984.
133. EPA. Inhalation RfD Summary, 1995.
134. MAC Committee. Maximum Allowable Concentrations of mercury Compounds. Arch Environ Health, 19:891-905, 1969.
135. FDA. Final classification for dental mercury. Fed Reg, 52(155):30089, 12 Aug 1987.
136. FDA. Yin, L. Dentists manufacture amalgam, 2 Apr 1991.
137. FDA. Amalgam Ingredient Labeling. Federal Register, 59(21):57570, 14 Nov 1994.
138. Germany. Bundesintitut for Drugs and Medical Products (formerly BGA). Proposed Changes for the Directives for Use of Amalgam.
139. National Institute of Occupational Safety and Health. Criteria for a recommended standard: Occupational Exposure to Inorganic Mercury. NIOSH, NTIS No. PB-222 223, 1973.
140. OSHA. U.S. Department of Labor, Mercury, Job Health Hazards Series, OSHA 2234, 1975.
141. OSHA. U.S. Department of Labor, and Health and Human Sevices. Occupational Health Guideline for Inorganic Mercury, 1978.
142. Sweden. Svenska Dagbladet, Socialstyrelsen Stops Amalgam Use, 20 May 1987.
143. Sweden. Socialstyrelsen, Press release: Discontinuation of Amalgam for Environmental Reasons Should Proceed Stepwise, 28 Aug 1992.

Amalgam Mercury Risk Assessments

144. Blais, P. Memo & Dental Amalgams and the Public Health: A View from the Health Protection Branch, Bureau of Medical Devices, Health Canada, 1976.
145. Clarkson, TW. Principles of Risk Assessment. *Adv Dent Res*, 6:22-27, 1992.
146. Richardson, GM. Assessment of Mercury Exposure and Risks From Dental Amalgam; Final Report, Medical Devices Bureau, Environmental Health Directorate, Health Canada, 18 Aug 1995.
147. Richardson, GM. A Monte Carlo Assessment of Mercury Exposure and Risks from Dental Amalgam. *Human Ecolog Risk Assessment*, 2(4):709-61, 1996.
148. USEPA. Integrated Risk Information System (IRIS). Mercury, Elemental: 1.1.98. Online. Cincinnati, Ohio: National Center for Environmental Assessment, 1998.
149. USPHS. Toxicological Profile for Mercury. ATSDR, TP-93/10, 1994.
150. Viola, PL; Cassano, GB. The Effect of Chlorine on Mercury vapor Intoxication Autoradiographic Study. *Med Lavoro*, 59(6-7), 1968.

Mercury/Amalgam Mercury: Maternal-Fetal Transfer/Mothers' Milk/Effects

151. Amin-Zaki, L; et al. Methyl Mercury Poisoning in the Iraqi Suckling Infant: A Longitudinal Study over Five Years. *J Appl Toxicol.*, 1(4):210-4, 1981.
152. Aschner, M; et al. Metallothionein Induction in Fetal Rat Brain and Neonatal Primary Astrocyte Cultures by In Utero Exposure to Elemental Mercury Vapor. *Brain Res.*, 778(1):222-32, 1997.
153. Berlin, M; et al. Prenatal Exposure to Mercury Vapor: Effects on Brain Development. *The Toxicologist*, 12(1):7(A245), 1992.
154. Danielsson, BR; et al. Foetal and Maternal Distribution of Inhaled Mercury Vapour in Pregnant Mice: Influence of Selenite and Dithiocarbamates. *Pharmacol Toxicol.*, 67(3):222-6, Sep 1990.
155. Danielsson, BR; et al. Behavioral Effects of Prenatal Metallic Mercury Inhalation Exposure in Rats. *Neurotoxicol Teratol.*, 15(6):391-6, 1993.
156. Drasch, G; et al. Mercury Burden of Human Fetal and Infant Tissues. *Europ J Pediatrics*, 153(8):607-10, 1994.
157. Drasch, G; et al. Mercury in Human Colostrum and Early Breast Milk. Its Dependence on Dental Amalgam and Other Factors. *J Trace Elem Med Biol.*, 12(1):23-7, Mar 1998.
158. Eccles, CU; Annau, Z. Prenatal Methyl Mercury Exposure: II. Alterations in Learning and Psychotropic Drug Sensitivity in Adult Offspring. *Neurobehav Toxicol Teratol.*, 4(3):377-82, May 1982.
159. Fredriksson, A; et al. Behavioral Effects of Neonatal Metallic Mercury Exposure in Rats. *Toxicology*, 74(2-3):151-60, Sep 1992.
160. Fredriksson, A; et al. Prenatal Coexposure to Metallic Mercury Vapour and Methyl Mercury Produce Interactive Behavioral Changes in Adult Rats. *Neurotoxicol Teratol.*, 18(2):129-34, Mar 1996.
161. Grandjean, P; et al. Cognitive Deficit in 7 Year Old Children With Prenatal Exposure to Methyl Mercury. *Neurotoxicol Teratol.*, 19(6):417-28, 1997.
162. Grandjean, P; et al. Cognitive Performance of Children Prenatally Exposed to "Safe" Levels of Methyl Mercury. *Environ Research*, 77(2):165-72, May 1998.
163. Kuntz, WD; et al. Maternal and Cord Blood Background Mercury Levels: A Longitudinal Surveillance. *Amer J Obstet Gynecol.*, 143(4):440-3, 1982.
164. Lutz, E; et al. Concentrations of Mercury, Cadmium and Lead in Brain and Kidney of Second Trimester Fetuses and Infants. *J Trace Elem Med Biol.*, 10(2):61-7, 1996.
165. Monnet-Tschudi, F; et al. Comparison of the Developmental Effects of Two Mercury Compounds on Glial Cells and Neurons in Aggregate Cultures of Rat Telencephalon. *Brain Res.*, 741(1-2):52-9, Nov 1996.
166. Needleman, HL. Behavioral Toxicology. *Environ Health Perspect.*, 103(S6):77-9, Sep 1995.

167. Newland, MC; et al. Behavioral Consequences of In Utero Exposure to Mercury Vapor: Alterations in Lever-Press Durations and Learning in Squirrel Monkeys. *Toxicol Appl Pharmacol.*, 139(2):374-86, Aug 1996.
168. Ong, CN; et al. Concentrations of Heavy Metals in Maternal and Umbilical Cord Blood. *Biometals*, 6(1):61-6, 1993.
169. Oskarsson, A; et al. Exposure to Toxic Elements Via Breast Milk. *Analyst*, 120(3):765-70, 1995.
170. Oskarsson, A; et al. Total and Inorganic Mercury in Breast Milk in Relation to Fish Consumption and Amalgam in Lactating Women. *Arch Environ Health*, 51(3):234-51, 1996.
171. Roeleveld, N; et al. Mental Retardation and Parental Occupation: A Study on the Applicability of Job Exposure Matrices. *Brit J Ind Med.*, 50(10):945-54, Oct 1993.
172. Soderstrom, S; et al. The Effect of Mercury Vapour on Cholinergic Neurons in the Fetal Brain: Studies on the Expression of Nerve Growth Factor and its Low- and High-Affinity Receptors. *Brain Res Dev Brain Res.*, 85(1):96-108, Mar 1995.
173. Takahashi, Y; et al. Number of Amalgam Fillings in Pregnant Rats and Mercury Concentration in Their Fetuses. *J Dent Res.*, 71SI:571, A445, 1992.
174. Takahashi, Y; et al. Mercury Content in Tissues of Pregnant Rats with Dental Amalgam. *J Dent Res.*, 71(4):1094, A67, 1992.
175. Urbach, J; et al. Effect of Inorganic Mercury On In Vitro Placental Nutrient Transfer and Oxygen Consumption. *Reprod Toxicol.*, 6(1):69-75, 1992.
176. Vimy, MJ; et al. Maternal-fetal distribution of mercury (203Hg released from dental amalgam fillings. *Amer J Physiol*, 258(RICP 27):R939-45, 1990.
177. Vimy, MJ; et al. Mercury from Maternal "Silver Fillings in Sheep and Human Breast Milk: A Source of Neonatal Exposure. *Biolog Trace Element Res.*, 56:143-52, 1997.
178. Warfinge, K; et al. Mercury Distribution in Cortical Areas and Fiber Systems of the Neonatal and Maternal Adult Cerebrum After Exposure of Pregnant Squirrel Monkeys to Mercury Vapor. *Environ Res.*, 67(2):196-208, 1994.
179. Warfinge, K; et al. The Effect on Pregnancy Outcome and Fetal Brain Development of Prenatal Exposure to Mercury Vapour. *Neurotoxicology*, 15(4), 1994.
180. Yang, J; et al. Maternal-Fetal Transfer of Metallic Mercury Via the Placenta and Milk. *Ann Clin Lab Sci.*, 27(2):135-41, Mar 1997.
181. Yoshida, M; et al. Distribution of Mercury in Guinea Pig Offspring After In Utero Exposure to Mercury Vapor During Late Gestation. *Arch Toxicol.*, 58(4):225-8, 1986.
182. Yoshida, M; et al. Distribution of Mercury in Neonatal Guinea Pigs After Exposure to Mercury Vapor. *Bull Environ Contam Toxicol.*, 43(5):697-704, Nov 1989.
183. Yoshida, M; et al. Milk Transfer and Tissue Uptake of Mercury in Suckling Offspring After Exposure of Lactating Maternal Guinea Pigs to Inorganic or Methyl Mercury. *Arch Toxicol.*, 68(3):174-8, 1994.

184. Zanolli, P; et al. Prenatal Exposure to Methyl Mercury During Late Gestation Affects Cerebral Opiatergic System in Rat Offsprings. *Environ Res.*, 74(1):48-53, 1997.

Dental Mercury Adverse Effects

185. Bloch, P; Shapiro, IM. Summary of the International Conference on Mercury Hazards in Dental Practice. *JADA*, 104:489-90, 1982.
186. Cook, TA; Yates, PO. Fatal Mercury Intoxication in Dental Surgery Assistant. *Brit Dent J.*, 127:553-5, 1969.
187. Djerassi, E; Berova, N. The possibilities of allergic reactions from silver amalgam restorations. *Internat Dent J*, 19(4):481-8, 1969.
188. Echeverria, D; et al. Behavioral Effects of Low-Level Exposure to Hg⁰ Among Dentists. *Neurotoxicol Teratol*, 17(2):161-8, 1995.
189. Echeverria, D; et al. Neurobehavioral Effects From Exposure to Amalgam Hg⁰: New Distinctions Between Recent Exposure and Hg Body Burden. *FASEB J.*, 12:971-80, 1998.
190. Eedy, DJ; et al. Elevated T cell subpopulations in dental students. *J Prosth Dent*, 63:593-6, 1990.
191. Eggleston, DW. Effect of Dental Amalgam and Nickel Alloys on T-Lymphocytes: Preliminary Report. *J Prosth Dent.*, 51(5):617-23, 1984.
192. Finne, K; et al. Oral Lichen Planus and Contact Allergy to Mercury. *Int J Oral Surg.*, 11:236-9, 1982.
193. Forsell, M; et al. Mercury Content in Amalgam Tattoos of Human Oral Mucosa and Its Relation to Local Tissue Reactions. *Eur J Oral Science*, 106(1):582-7, Feb 1998.
194. Hultman, P; et al. Adverse Immunological Effects and Autoimmunity Induced by Dental Amalgam and Alloy in Mice. *FASEB J.*, 8:1183-90, 1994.
195. Hultman, P; et al. Activation of the Immune System and Systemic Immune Complex Deposits in Brown Norway Rats With Dental Amalgam Restorations. *J Dent Res.*, 77(6):1415-25, Jun 1998.
196. Iyer, K; et al. Mercury Poisoning in a Dentist. *Arch Neurol*, 33:788:90, 1976.
197. James, J; et al. Oral Lichenoid Reactions Related to Mercury Sensitivity. *Brit J Oral Maxillofac Surg.*, 25:474-80, 1987.
198. Katsunuma, T; et al. Exercise Induced Anaphylaxis: Improvement After Removal of Amalgam in Dental Caries. *Ann Allergy*, 64:472-5, 1990.
199. Laine, J; et al. Resolution of Oral Lichenoid Lesions After Replacement of Amalgam Restorations in Patients Allergic to Mercury Compounds. *JAMA*, 267(21):2880, 3 Jun 1992.
200. Lundstrom, IM. Allergy and Corrosion of Dental Materials in Patients With Oral Lichen Planus. *Int J Oral Surg.*, 13:16, 1984.
201. Miller, EG; et al. Prevalence of Dental Materials in Dental Students. *J Prosth Dent.*, 58(2):235-7, 1987.
202. Mori, T; et al. Mercury Sensitization Induced by Environmental Exposure. *Nippon Eiseigaku Zasshi*. 52(4):661-6, Jan 1988.

203. Ngim, CH; et al. Chronic Neurobehavioural Effects of Elemental Mercury in Dentists. *Brit J Indust Med*, 49:782-90, 1992.
204. Ostman, P-O; et al. Amalgam Associated Oral Lichenoid Reactions: Clinical and Histologic Changes After Removal of Amalgam. *Oral Surg Oral Med Oral Path Oral Radiol Endod.*, 81:459-65, 1996.
205. Shapiro, IM; et al. Neurophysiological and Neuropsychological Function in Mercury Exposed Dentists *Lancet*, 1147-50, 22 May 1982.
206. Shipp, II; Shapiro, IM. Mercury Poisoning in Dental Practice. *Comp Cont Educ.*, 4:107-110, 1983.
207. Stofen, D. Dental amalgam - a poison in our mouth? *Toxicology*, 2:355-8, 1974.
208. Stopford, W. Mercury Intoxication Among Dental Personnel. *JAMA*, 250(6):822, 1983.
209. Taskinen, H; et al. A Possible Case of Mercury Related Toxicity Resulting From the Grinding of Old Amalgam Restorations. *Scand J Work Environ Health*, 15:302-4, 1989.
210. Traub, EF; Holmes, RH. Dermatitis and Stomatitis From the Mercury of Amalgam Fillings. *Arch Derm Syph.*, 38:349-57, 1938.
211. Weaver, T; et al. An Amalgam Tattoo Causing Local and Systemic Disease. *Oral Surg Oral Med Oral Path.*, 63:137-40, 1987.
212. White, RR; Brandt, RL. Development of Mercury Hypersensitivity Among Dental Students. *JADA*, 92:1204-7, 1976.
213. Wronski, R; Hartmann, F. Uber Eine Besondere Verlaufsform der Panarteritis Nodosa bei Chronisch Scleichender Quecksibervergiftung. *Dutsch Med Wschr.*, 102:323, 1977.
214. Ziff, MF. Documented Clinical Side-Effects to Dental Amalgam. *Adv Dent Res*, 6:131-4, 1992.

Mercury: Periodontal Disease

215. App, GR. Effect of Silicate, Amalgam and Cast Gold on the Gingiva. *J Prosth Dent.*, 11(3):522-32, 1961.
216. Fisher, D; et al. a 4 Year Follow-up Study of Alveolar Bone Height Influenced By Two Dissimilar Class II Amalgam Restorations. *J Oral Rehab.*, 11(4):399-405, 1984.
217. Freden, H; et al. Mercury Content in Gingival Tissues Adjacent to Amalgam Fillings. *Odont Rev.*, 25:207-10, 1974.
218. Goldschmidt, PR; et al. Effects of Amalgam Corrosion Products on Human Cells. *J Period Res.*, 11:108-15, 1976.
219. Rechmann, P. LAMMS and ICP-MS Detection of Dental Metallic Compounds in Not-discoloured Human Gingiva. *J Dent Res.*, 71SI:599, A672, 1992.
220. Sanches Sotres, L; et al. A Histological Study of Gingival Tissue Response to Amalgam, Silicate and Resin Restorations. *J Period.*, 40:543-6, 1969.
221. Shafer, WG; et al. *A Textbook of Oral Pathology*:443-5. WB Saunders Co., Philadelphia, 1958.
222. Sibley, RL. The Relationship Between Mercury From Dental Amalgam and Oral Cavity Health. *Ann Dent*, 49(2):6-10, 1990.
223. Traub, EF; Holmes, RH. Dermatitis and Stomatitis from the Mercury of Amalgam Fillings. *Arch Derm Syph.*, 38:349-57, 1938.
224. Trivedi, SC; Talim, ST. The response of human gingiva to restorative materials. *J Prosth Dent*, 73-80, 1973.
225. Trott, JR; Sherkat, A. Effect of Class II Amalgam Restorations on Health of the Gingiva: A Clinical Survey. *J Canad Dent Assoc.*, 30(12):766-70, 1964.
226. Turgeon, J; et al. Periodontal Effects of Restoring Proximal Tooth Surfaces with Amalgam: A Clinical Evaluation in Children. *J Canad Dent Assoc.*, 37:255-6, 1972.
227. Zander, HA. effect of Silicate Cement and Amalgam on the Gingiva. *JADA*, 55:11-15, 1957.
228. Ziff, MF. Documented Clinical Side-Effects to Dental Amalgam. *Adv Dent Res*, 6:131-4, 1992.

Mercury: Antibiotic Resistance

229. Liebert, CA; et al. Phylogeny of Mercury Resistance (mer) Operons of Gram-Negative Bacteria Isolated from the Fecal Flora of Primates. *Appl Environ Microbiol.*, 63(3):1066-76, Mar 1997.
230. Roberts, MC. Antibiotic Resistance in Oral/Respiratory Bacteria. *Crit Rev Oral Biol Med.*, 9(4):522-40, 1998.
231. Summers, AO; et al. "Silver" dental fillings provoke an increase in mercury and antibiotic resistant bacteria in the mouth and intestines of primates. *APUA News*, 1991.
232. Summers, AO; et al. Increased Mercury Resistance in Monkey Gingival and Intestinal Bacteria Flora After Placement of Dental "Silver" Fillings. *Physiologist*, 33(4):A116, 1990.
233. Summers, AO; et al. Mercury Released from Dental "Silver" Fillings Provokes an Increase in Mercury- and Antibiotic-Resistant Bacteria in Oral and Intestinal Floras of Primates. *Antimicrob Agents Chemother*, 37(4):825-34, 1993.
234. Wireman, J; et al. Association of Mercury Resistance with Antibiotic Resistance in the Gram-Negative Fecal Bacteria of Primates. *Appl Environ Microbiol.*, 63(11):4494-4503, Nov 1997..

Mercury: Alzheimer's Disease

235. Duhr, EF; et al. HgEDTA complex inhibits GTP interactions with the E site of Brain B-Tubulin. *Toxicol Appl Pharmacol*, 122:273-80, 1993.
236. Ehmann, WD; et al. Brain Trace Elements in Alzheimer's Disease. *Neurotoxicol*, 7(1):197-206, 1986.
237. Haley, B. Khatoon, S; et al. GTP binding to the b-subunit of tubulin is greatly reduced in Alzheimers Disease. ASBC 1987.
238. Haley, B. Duhr, E; et al. Low level HgEDTA complex specifically blocks [32P]8N3GTP interaction with human brain tubulin. ASBMB/AAI, 1990.
239. Haley, B. Duhr, E; et al. Hg₂⁺ induces GTP-tubulin interactions in rat brain similar to those observed in Alzheimer's Disease. FASEB A493, 1991.
240. Haley, B. Bunnensen, D; et al. Detection of glutamine sythetase in the CSF of Alzheimer's diseased patients: A potential diagnostic biochemical marker. *Soc Neuroscience*, 1992.
241. Haley, B. Pendergrass, JC; et al. Meso-2,3-dimercaptosuccinic acid (DMSA) partially restores [32P]8N3GTP-b-tubulin interactions to both Alzheimer's Diseased (AD) brains and to HgEDTA treated control brains. *Experim Biol*, 1993.
242. Haley, B; Pendergrass, JC. Mercury-EDTA complex specifically blocks brain B-tubuln-GTP interactions: Similarity to pathology observed in Alzheimer's Disease. Abstract of presentation made at Amalgam Symposium/ Otzenhausen, Germany, 29 Apr-1 May, 1994.
243. Haley, B. Pendergrass, J; et al. Use of photoaffinity labeling and 2-D electrophoresis to identify changes in nucleotide binding proteins in brain and CSF: A Potential diagnostic technique for neurological diseases. *Amer Assoc Pharmaceut Scientists*, 1995.
244. Hock, C; et al. Increased Blood Mercury Levels in Patients With Alzheimer's Disease. *J Neural Trnsm.*, 105(1):59-68, 1998.
245. Lorscheider, FL; et al. Mercury Vapor Exposure Inhibits Tubulin Binding to GTP in Rat Brain: A Molecular Lesion also Present in Human Alzheimer Brain. *FASEB J*, 9(4):3845, 1995.
246. Lorscheider, FL; et al. Toxicity of ionic mercury and elemental mercury vapor on brain neuronal protein metabolism. 12th Internat Neurotox Conference, 30 Oct-2 Nov 1995.
247. Olivieri, G., Brack, Ch., Muller-Spahn, F., Stahelin, H.B., Herrmann, M., Renard, P; Brockhaus, M. and Hock, C. Mercury Induces Cell Cytotoxicity and Oxidative Stress and Increases b-amyloid Secretion and Tau Phosphorylation in SHSY5Y Neuroblastoma Cells. *J. Neurochemistry* 74, 231-231, 2000.
248. Palkiewicz, P; et al. ADP-Ribosylation of Brain Neuronal Proteins is altered by In Vitro and In Vivo Exposure to Inorganic Mercury. *J Neurochem*, 62:2049-52, 1994, Exhibit .

249. Pendergrass, JC; Haley, BE; Vimy, MJ; Winfield, SA; Lorscheider, FL. Mercury Vapor Inhalation Inhibits Binding of GTP to Tubulin in Rat Brain: Similarity to a Molecular Lesion in Alzheimer Diseased Brain. *Neurotoxicology*, 18(2):315-324, 1997.
250. Thompson, CM; et al. Regional brain trace-element studies in Alzheimer's Disease. *Neurotoxicol*, 9(1):1-8, 1988.
251. Wenstrup, D; et al. Trace Element Imbalances in Isolated Subcellular Fractions of Alzheimer's Disease Brains. *Brain Res*, 533:125-31, 1990.

Mercury: Parkinson's Disease

252. Finkelstein, Y; et al. The Enigma of Parkinsonism in Chronic Borderline Mercury Intoxication, Resolved by Challenge With Penicillamine. *Neurotoxicology*, 17(1):291-5, 1996.
253. International Labor Organization (ILO). *Encyclopaedia of Occupational Health and Safety*, 3rd Ed., Vol. 2. ED: Parmeggiani, L., pp. 1332-59 1983.
254. Ngim, C-H; Devathanan, G. Epidemiologic study on the association between body burden mercury level and idiopathic Parkinson's Disease. *Neuroepidemiol*, 8:128-41, 1989.

Mercury: Multiple Sclerosis

255. Ganser, AL; Kirschner, DA. The interaction of mercurials with myelin: Comparison of in vitro and in vivo effects. *Neurotoxicol*, 6(1):63-77, 1985.
256. International Labor Organization (ILO). *Encyclopaedia of Occupational Health and Safety*, 3rd Ed., Vol. 2. ED: Parmeggiani, L., pp. 1332-59 1983.
257. Sibley, RL. A comparison of mental health of multiple sclerosis patients with silver/mercury dental fillings and those with fillings removed. *Psychol Rep*, 70:1139-51, 1992.
258. Sibley, RL. Evidence That Mercury From Silver Dental Fillings May Be An Etiological Factor in Multiple Sclerosis. *Sci Total Environment*, 142:191-205, 1994.
259. Windebank, AJ. Specific Inhibition of Myelination by Lead in vitro; Comparison with Arsenic, Thallium, and Mercury. *Exp Neurol*, 94(1):203-12, 1986.

Mercury: Lou Gehrig's Disease (ALS)

260. Adams, CR; et al. Mercury intoxication simulating Amyotrophic Lateral Sclerosis. *JAMA*, 250(5):642-3, 1983.
261. Barber, TE. Inorganic Mercury Intoxication Reminiscent of Amyotrophic Lateral Sclerosis. *J Occupat Med*, 20(10):667-9, 1978.
262. Haley, B. Kasarskis, EJ; et al. GTP-binding proteins in amyotrophic lateral sclerosis cerebrospinal fluid. *Ann Neurol*, 1995.
263. Khare, SS; et al. Trace Element Imbalances in Amyotrophic Lateral Sclerosis. *Toxicol*, 11:521-33, 1990.
264. Pamphlett, R; Waley, P. Motor neuron uptake of low dose inorganic mercury. *J Neurologic Sci*, 135,:63-7, 1996.
265. Redhe, P; Pleva, J. Recovery From Amyotrophic Lateral Sclerosis and From Allergy After Removal of Dental Amalgam Fillings. *Int J Risk Saf Medicine*, 4:229-36, 1994.

Mercury: Neurologic Adverse Effects

266. Anderson, A; et al. A neurological and Neurophysiological study of chloralkali workers previously exposed to mercury vapour. *Acta Neurolog Scand*, 88:427-33, 1993.
267. Anuradha, B; et al. Degree of Peroxidative Status in Neuronal Tissues by Different Routes of Inorganic Mercury Administration. *Drug Chem Toxicol.*, 21(1):47-55, Feb 1998.
268. Chang, LW; et al. Mitochondrial Changes in Neurons Following Mercury Intoxication. *Amer Assoc Neuropath*, 49th Annual Meeting, 1973.
269. Chang, LW; et al. Mitochondrial Changes in Neurons Following Mercury Intoxication. *Amer Assoc Neuropath*, 49th Annual Meeting, 1973.
270. Chang, LW. Neurotoxic effects of mercury: A review. *Environ Res*, 14:329-73, 1977.
271. Chang, LW. Mercury, *Experim Clin Neurotoxicol*, Chapter 35, 508-26, 1980.
272. Cooper, GP; et al. Heavy Metals: Effects On Synaptic Transmission. *Toxicology*, 5(3):247-66, 1984.
273. Hua, J; et al. Pathological changes in the Brown Norway rat cerebellum after mercury vapour exposure. *Toxicol*, 104(1-3):83-90, 1995.
274. Korogi, Y; et al. MR Findings of Minamata Disease: Organic Mercury Poisoning. *J Magn Reson Imaging*, 8(2):308-16, Mar 1998.
275. Lamm, O; Pratt, H. Subclinical Effects of exposure to Inorganic Mercury Revealed by Somatosensory-Evoked Potentials. *Eur Neurol*, 24:237-43, 1985.
276. Larsen, JO; Braendgaard, H. Structural preservation of cerebellar granule cells following neurointoxication with methyl mercury: A stereological study of the rat cerebellum. *Acta Neuropathol*, 90(3):251-6, 1995.
277. Levine, SP; et al. Elemental mercury exposure: Peripheral Neurotoxicity. *Brit J Indust Med*, 39:136-139, 1982.
278. Miller, JM; et al. Subclinical Psychomotor and Neuromuscular Changes in Workers Exposed to Inorganic Mercury. *Amer Indust Hyg Assoc J*, 725-33, 1975.
279. Mitchell, J; Gallagher, PJ. Peripheral neuropathy following intraneural injection of mercury compounds. *Arch Toxicol*, 46(3-4):257-64, 1980.
280. Miyakawa, T; et al. Experimental Organic Mercury Poisoning-Pathological Changes in Peripheral Nerves. *Acta Neuropath*, 15:45-55, 1970.
281. Pamphlett R; Png, FY. Shrinkage of Motor Axons Following Systemic Exposure to Inorganic Mercury. *J Neuropathol Exp Neurol.*, 57(4):360-6, Apr 1998.
282. Pamphlett R; et al. Oxidative Damage to Nucleic Acids in Motor Neurons Containing Mercury. *J Neurol Sci.*, 159(2):121-6, Aug 1998.
283. Sharma, RP; Obersteiner, EJ. Metals and Neurotoxic Effects: Cytotoxicity of Selected Metallic Compounds on Chick Ganglia Cultures. *J Compar Pathol*, 91(2):234-44, 1981.

284. Sibley, RL. The relationship between mercury from dental amalgam and mental health. *Amer J Psychother*, 43(4):575-7, 1989.
285. Uzzell, BP; Oler, J. Chronic Low Level Mercury Exposure and Neuropsychological Functioning. *J Clin Exp Neuropsych.*, 8(5):581-93, 1986.
286. Vroom, FQ; Greer, M. Mercury Vapor Intoxication. *Brain*, 95:305-18, 1972.

Mercury: Immunologic Adverse Effects

287. Andres, P. IgA-IgG Disease in the Intestine of Brown Norway Rats Ingesting Mercuric Chloride. *Clin Immunol immunopathol*, 30:488-94, 1984.
288. Aten, J; et al. Susceptibility to the induction of either autoimmunity or immunosuppression by mercuric chloride is related to the major histocompatibility complex class II haplotype. *Eur J Immunol*, 21:611-6, 1991.
289. Caron, GA; et al. Lymphocyte Transformation Induced by Inorganic and Organic Mercury. *Internat Arch Aller Appl Immunol*, 37:76-87, 1970.
290. Druet, P; et al. Immune dysregulation and auto-immunity induced by toxic agents. *Transplant Proc*, 14(3):482-4, 1982.
291. Druet, P; et al. Immunologically Mediated Glomerulonephritis Induced by Heavy Metals. *Toxicol*, 50:187-94, 1982.
292. Enestrom, S; Hultman, P. Does Amalgam Affect the Immune System? A Controversial Issue. *Int Arch Allergy Immunol*, 106:180-203, 1995.
293. Engelman, MA. Mercury Allergy Resulting from Amalgam Restorations. *Cases Comments*, 66:122-3, 1962.
294. Esnault, VL; et al. Autoantibodies to myeloperoxidase in brown norway rats treated with mercuric chloride. *Lab Investig*, 67(1):114-20, 1992.
295. Hirsch, F; et al. Autoimmunity Induced by HgCl₂ in Brown-Norway Rats: I. Production of monoclonal antibodies. *J Immunol*, 136(9):3272-6, 1986.
296. Holmstrup, P. Oral Mucosa and Skin Reactions Related to Amalgam. *Adv Dent Res*, 6:120-4, 1992.
297. Hultman, P. Effects of Inorganic Mercury on the Murine Immune System in Vivo. Linkoping U. Medical Dissertations No. 289, Linkoping U., S-581 85 Linkoping, Sweden, 1989.
298. Hultman, P; et al. Adverse Immunological Effects and Autoimmunity Induced by Dental Amalgam and alloy in Mice. *FASEB J*, 8(14):1183-90, 1994.
299. Kazantzis, G. Role of Hypersensitivity and the Immune Response in Influencing Susceptibility to Metal Toxicity. *Environ Health Persp*, 25:111-8, 1978.
300. Knoflach, P; et al. Autoimmune Disease Induced by Oral Administration of mercuric Chloride in Brown Norway Rats. *Toxicologic Path*, 14(2):188-93, 1986.
301. Koller, LD; et al. Immunosuppression Produced by Lead, Cadmium, and Mercury. *Amer J Vet Res*, 34(11):1457-8, 1973.
302. Lawrence, DA. Heavy metal modulation of lymphocyte activities. *Toxicol Appl Pharmacol*, 57:439-51, 1981.
303. Lymberi, P; et al. Autoimmunity induced by HgCl₂ in brown norway rats: II. Monoclonal antibodies sharing specificities and idiotypes with mouse natural monoclonal antibodies. *J Immunol*, 136(9):3277-81, 1986.

304. Michaud, A; et al. Involvement of Hemostasis During an Autoimmune Glomerulonephritis Induced by Mercuric Chloride in Brown Norway Rats, *Thrombosis Res*, 33:77-88, 1983.
305. North American Contact Dermatitis Group. Epidemiology of contact Dermatitis in North America: 1972. *Arch Dermatol*, 108:537-40, 1973.
306. Pelletier, L; et al. Autoreactive T Cells in Mercury-Induced Autoimmune Disease: In Vitro Demonstration. *J Immunol*, 137(8):2548-54, 1986.
307. Queiroz, ML; et al. Immunoglobulin levels in workers exposed to inorganic mercury. *Pharmacol Toxicol*, 74(2):72-5, 1994.
308. Robinson, CJG; et al. Mercuric Chloride-, Gold Sodium Momalate-, and d-Penicillamine-Induced Antinuclear Antibodies in Mice. *Toxicol Appl Pharmacol*, 86:159-69, 1986.
309. Roman-Franco, AA; et al. Anti-basement membrane antibodies and antigen-antibody complexes in rabbits injected with mercuric chloride. *Clin Immunol Immunopathol*, 9:464-81, 1978.
310. Sapin, C; et al. Induction of Anti-Glomerular Basement Membrane Antibodies in the Brown Norway Rat by Mercuric Chloride. *Chn Exp Immunol*. 28:173-9, 1977.
311. Sato, K; et al. An epidemiological study of factors relating to mercury sensitization [Japanese with Engl abstr]. *Arerugi*, 44(2):86-92, 1995.
312. Warfinge, G; et al. Histochemical visualization of mercury in the oral mucosa, salivary and lacrimal glands of BN rats with HgCl₂-induced autoimmunity. *Exp Toxic Pathol*, 46:329-34, 1994.
313. Warfinge, K; et al. Systemic Autoimmunity Due to Mercury Vapor Exposure in Genetically Susceptible Mice Dose-Response Studies. *Toxicol Appl Pharmacol*, 132:299-309, 1995.
314. Wedeen, RP. Lead, Mercury and Cadmium Nephropathy. *Neurotoxicol*, 4(3):134-469 1983.
315. Weening, JJ; et al. Mercury Induced Immune Complex Glomerulopathy: An Experimental Study: 4. Cellular Immunity and Immunoregulation etc.:36-82, 1980.
316. Weening, JJ. Autoimmune reactions and glomerulonephritis caused by heavy metals and other toxins. *Dev Toxicol Environ Sci*, 11:211-8, 1983.

Mercury: Cardiovascular Adverse Effects

317. Brake, J; et al. Mercury Induced Cardiovascular Abnormalities in the Chicken. *Arch Environ Contam Toxicol.*, 6:269-77, 1977.
318. Carmignani, M; et al. Mechanisms in Cardiovascular Regulation Following Chronic Exposure of Male Rats to Inorganic Mercury. *Toxicol Appl Pharmacol.*, 69:442-50, 1983.
319. Carmignani, M; Boscolo, P. Cardiovascular Homeostasis in Rats Chronically Exposed to Mercuric Chloride. *Arch Toxicol.*, S7:383-8, 1984.
320. Carmignani, M; et al. Renal Ultrastructural Alterations and Cardiovascular Functional Changes in Rats Exposed to Mercuric Chloride. *Arch Toxicol.*, S13:353-6, 1989.
321. Cheek, DB; Wu, F. Effect of Calomel on Plasma Epinephrine in Rat and Relationship to Mechanisms in Pink Disease. *Arch Dis Childhood*, 34:502-4, 1959.
322. Cheek, DB; et al. Effect of Mercurous Chloride (Calomel) and Epinephrine (Sympathetic Stimulation) on Rats: Importance of Findings to Mechanisms in Infantile Acrodynia (Pink Disease). *Pediatrics*, 23:302-13, 1959.
323. Cutright, DE; et al. Systemic Mercury Levels Caused by Inhaling Mist During High-Speed Amalgam Grinding. *J Oral Med.*, 28(4):100-4, Oct-Dec 1973.
324. Dahhan, SS; Orfaly, H. Electrocardiographic Changes in Mercury Poisoning. *Amer J Cardiol*, 14:178-83, 1964.
325. De Bruin, A (Ed). *Biochemical Toxicology of Environmental Agents [Atherogenic action of mercury]:575-6, 702-3, Elsevier, 1976.*
326. Fellingner, K; Schweitzer, F. Gefasserkrenkungen nach Quecksilbervergiftungen [Vascular damage by mercury]. *Arch Gewerbepath Dewerbehyg.*, 9:269-75, 1938.
327. Fredin, B. The Distribution of Mercury in Various Tissues of Guinea Pigs After Application of Dental Amalgam Fillings. *Sci Total Environ.*, 66:263-8, 1987.
328. Frustaci, A; et al. Marked Elevation of Myocardial Trace Elements in Idiopathic Dilated Cardiomyopathy Compared With Secondary Cardiac Dysfunction. *J Am Coll Cardiol.*, 33(6):1578-83, May 1999.
329. Gale, TF. Cardiac and Non-Cardiac Malformations Produced by Mercury in Hamsters. *Bull Environment Contam Toxicol.*, 25:726-32, 1980.
330. Griffith, CG; et al. The Inorganic Element Content of Certain Human Tissues. *Ann Internal Med.*, 41:501-9, 1954.
331. Hahn, LJ; et al. Dental "silver " tooth fillings: a source of mercury exposure revealed by whole body scan and tissue analysis. *FASEB J*, 3:2641-6, 1989.
332. Hahn, LJ; et al. Whole-Body Imaging of the Distribution of Mercury Released from Dental Fillings into Monkey Tissues. *FASEB J*. 4:3256-609 1990.

333. Halbach, S. Sulfhydryl-Induced Restoration of Myocardial Contractility After Alteration by Mercury. *Arch Toxicol.*, S13:349-52, 1989.
334. Jha, LB; Bhatia, B. Effect of Mercuric Chloride on Coronary Flow in Perfused Rat Heart. *Bull Environ Contam Toxicol.*, 31(2):132-8, 1983.
335. Jonek, J. Histochische Untersuchungen Uber Das Verhalten Einiger Enzyme im Herzmuskel Nach Experimenteller Vergiftung mit Quecksilberdampfen [Mercury effect on heart muscle contraction]. *Int Arch Gewerbepathol Bewegergehyg.*, 21:1-10, 1964.
336. Kahler, HJ. Zur Frage der Kardiotoxischen Wirkung des Quecksilbers, Insbesondere des Saatfruchbeizmittel [Mercury causing EKG and heart rhythm disturbances, cardiac arrest]. *Zbl Arbeitsmed Arbeitsschutz.*, 1025-31, 1960.
337. Khayat, A; Dencker, L. Interactions between selenium and mercury in mice: Marked retention in the lung after inhalation of metallic mercury. *Chem Biol Interactions*, 46:283-98, 1983.
338. Khayat, A; Dencker, L. Organ and cellular distribution of inhaled metallic mercury in the rat and marmoset monkey (*Callithrix jacchus*): Influence of ethyl alcohol pretreatment. *Acta Pharmacol Toxicol*, 55:145-52, 1984.
339. Kleinfeld, M; Stein. Action of Divalent Cations on Membrane Potentials and Contractility in Rat Atrium. *Amer J Physiol.*, 215(3):593-9, Sep 1968.
340. Kussmaul, A. Untersuchungen Uber Den Constitutionellen Mercurialismus und Sein Verhaeltniss zur Constitutionellen Syphilis [General heart damage by mercury]. Wuerzburg, 1861.
341. Lu, KP; et al. The Stimulatory Effect of Heavy Metal Cations on Proliferation of Aortic Smooth Muscle Cells. *Sci China [B]*. 33(3):303-10, Mar 1990.
342. Matsuo, N; et al. Mercury Concentration in Organs of Contemporary Japanese. *Arch Environ Health*, 44(5):298-303, Sep-Oct 1989.
343. Orłowski, JP; Mercer, RD. Urine Mercury Levels in Kawasaki Disease [Myocardial infarction, abnormal EKG, A-V block, PVC, myocarditis, aneurysms by mercury]. *Pediatrics*, 66(4):633-6, Oct 1980.
344. Perry, HM; Yuncie, A. Acute Pressor Effects of Intra-Arterial Cadmium and Mercuric Ions in Anesthetized Rats. *Proc Soc Exp Biol Med.*, 120:805-8, 1965.
345. Perry, HM; et al. In Vitro Production and Inhibition of Aortic Vasoconstriction by Mercuric, Cadmium, and Other Metal Ions. *Proc Soc Exp Biol Med.*, 124:485-90, 1967.
346. Perry, HM; et al. Hypertension and Tissue Metal Levels Following Intravenous Cadmium, Mercury, and Zinc. *Amer J Physiol.*, 219:755-61, Sep 1970.
347. Perry, HM; Erlanger, M. Hypertension and Tissue Metal Levels After Intraperitoneal Cadmium, Mercury, and Zinc. *Amer J Physiol.*, 220:808-11, 1971.
348. Piikivi, L. Cardiovascular Reflexes and Low Long Term Exposure to Mercury Vapour. *Int Arch Occup Environ Health*, 61:391-5, 1989.
349. Piikivi, L; Tolonen, L. EEG findings in chlor-alkali workers subjected to low long term exposure to mercury vapour. *Brit J Indus Med*, 46:370-5, 1989.

350. Placidi, GF; et al. Distribution of Inhaled Mercury (^{203}Hg) in Various Organs. *Int J Tiss React.*, 5:193-200, 1983.
351. Prabhu, SD; Salama, G. The Heavy Metal Ions Ag^+ and Hg^{2+} Trigger Calcium Release from Cardiac Sarcoplasmic Reticulum, *Arch Biochem Biophys.*, 15; 277(1):47-55, Feb 1990.
352. Rhee, HM; Choi, BH. Hemodynamic and Electrophysiological Effects of Mercury in Intact Anesthetized Rabbits and in Isolated Perfused Hearts. *Exp Molec Pathol.*, 50:281-90, 1989.
353. Rieselmann, SD. Einfluss der Quecksilberintoxikation auf die Inneren Organe [Cardiomyopathy, vascular damage by mercury]. *Arch Gewerbepathol.*, 1:496, 1930.
354. Shiraki, H; Nagashima, K. Essential Neuropathology of Alkylmercury Intoxications in Humans from the Acute to the Chronic Stage With Special Reference to Experimental Whole Body Autoradiographic Study Using Labeled Mercury Compounds. *Neurotoxicology*. Ed. Roisin, et al:247-60, 1977.
355. Sibley, RL. The Relationship Between Mercury From Dental Amalgam and the Cardiovascular System, *Sci Total Environ*, 99:23-5, 1990.
356. Simmons, MS; et al. EKG Screening of Dentists for Cardiac Arrhythmias. *J Dent Res.*, 68(SI):958, A731, 1989.
357. Solomon, HS; Hollenberg, NK. Catecholamine Release: Mechanism of Mercury Induced Vascular Smooth Muscle Contractions. *Amer J Physiol.*, 229(1):8-12, Jul 1975.
358. Togni, G; et al. Inhibition of Aortic Vessel Adenosine Diphosphate Degradation by Cadmium and Mercury. *Arch Toxicol.*, S7:378-81, 1984.
359. Tomera, JF; Harakal, C. Mercury- and Lead-Induced Contraction of Aortic Smooth Muscle In Vitro. *Arch Int Pharmacodyn.*, 283(2):295-302, Oct 1986.
360. Trakhtenberg, IM. Chronic Effects of Mercury on Organisms: The Micromercurialism Phenomenon on Mercury Handlers. Chap. VI:109-34, DHEW Publ. No. (NIH) 74-473, 1974.
361. Vassallo, DV; et al. Effects of Mercury on the Isolated Heart Muscle Are Prevented by DTT and Cysteine. *Toxicol Appl Pharmacol.*, 156(2):112-8, Apr 1999.
362. von Oettingen, WF. Poisoning: A Guide to Clinical Diagnosis and Treatment, 2nd Ed [Cardiac and vascular damage by mercury]. Saunders Co. London, 1958.
363. Vulliamy, GD. Vasomotor Disturbance in Pink Disease. *Lancet*, 2:1248-51, 1952.
364. Wierzbicki, R; et al. Interaction of Fibrinogen With Mercury. *Thrombo Res.*, 30(6):579-85, 1983.
365. Wojciechowski, J; Kowalski, W. Cardiac and Aortic Lesions in Chronic Experimental Poisoning With Mercury Vapors. *Pol Med Sci Hist Bull.*, 15(2):255-60, Mar 1975.
366. Wronski, R; Hartmann, F. Uber Eine Besondere Verlaufsform der Panarteritis Nodosa bei Chronisch Schleicher Quecksilbervergiftung. *Dtsch Med Wschr.*, 102:323, 1977.

367. Yoshida, M; et al. Distribution of Mercury in Neonatal Guinea Pigs After Exposure to Mercury Vapor. *Bull Environ Contam Toxicol.*, 43(5):697-704, Nov 1989.

Mercury: Reproductive Effects

368. Barnski, G; Scymczyk, J. Effects of Mercury Vapours Upon Reproductive Function On White Female Rats. *Medycyna Pracy.*, 24(3):249-61, 1973.
369. Dickman, MD; et al. Hong Kong Male Subfertility Links to Mercury in Human Hair and Fish. *Sci Total Environ.*, 18:165-74, Jun 1998.
370. Gerhard, I; Runnebaum, B. Fertility Disorders May Result From Heavy Metal and Pesticide Contamination Which Limits Effectiveness of Hormone Therapy. *Zentralblatt fur Gynakologie*, 14:593-602, 1992.
371. Gerhard, I; Runnebaum, B. Toxic Factors and Infertility; Heavy Metals and Minerals: Review. *Geburtshilfe und Frauenheilkunde*, 52:383-96, 1992.
372. Gerhard, I; et al. Heavy Metals and Fertility. *J Toxicol Environ Health*, 54(8):593-611, Aug 1998.
373. Gordon, H. Pregnancy in Female Dentists: A Mercury Hazard. In: *Proceedings of International Conference on Mercury Hazards in Dental Practice.* Glasgow, Scotland, 2-4 Sep 1981.
374. Lee, IP. Effects of Environmental Metals on Male Reproduction. In: *Reproduction and Developmental Toxicity of Metals*; Ed: Clarkson, TW; et al.:253-78, Plenum Press, NY, 1983.
375. Mishanova, VN; et al. Characteristics of the Course of Pregnancy and Labor in Women Coming in Contact With Low Concentrations of Metallic Mercury Vapors in Manufacturing Work Places. *Gig Tr Prof Zabol.*, 2:21-3, 1980.
376. Panova, Z; Dimitrov, G. Ovarian Function in Women Having Professional Contact With Metallic Mercury. *Akusherstvoi Ginekologiya*, 13(1):29-34, 1974.
377. Rowland, AS; et al. The Effect of Occupational Exposure to Mercury Vapour on the Fertility of Female Dental Assistants. *Occupat Environ Med.*, 51:28-34, 1994.
378. Warfinge, K; et al. The Effect on Pregnancy Outcome and Fetal Brain Development of Prenatal Exposure to Mercury Vapour. *Neurotoxicology*, 15(4), 1994.

Mercury: Other Adverse Effects

379. Anniko, M; Sarkady, L. The effects of mercurial poisoning on the vestibular system. *Acta Otolaryngol*, 85(1-2):96-104, 1978.
380. Barltrop, D; Smith, AM. Mercury binding to human haemoglobin. *Experientia*: 1178-9, 1973.
381. Boyd ND; et al. Mercury from dental "silver" tooth fillings impairs sheep kidney function. *Amer J Physiol*, 261(RICP 30):R1010-4, 1991.
382. Hallee, TJ. Diffuse Lung Disease Caused by Inhalation of Mercury Vapor. *Amer Rev Respir Dis*, 99:430-6, 1969.
383. Kiely, PDW; et al. Inflammatory Polyarthritis Induced by Mercuric Chloride in the Brown Norway Rat. *Lab Investig*, 73(2):284-93, 1995.
384. Kucharz, EJ; Olczyk, K. Influence of Chronic Mercury Poisoning Upon the Connective Tissue in Rats: I: Effect of Mercuric Chloride on Collagen and Elastin. *Cent Eur J Public Health*, 2(2):80-1, 1994.
385. Nordlind, K. Effect of Metal Allergens on the DNA Synthesis of Unsensitized Guinea Pig Lymphoid Cells Cultured in Vitro. *Int Arch Aller Appl Immunol*, 69:12-17, 1982.
386. Olczyk, K; et al. Influence of Chronic Mercury Poisoning Upon the Connective Tissue in Rats: I: Effect of Mercuric Chloride on Glycosaminoglycan Levels in Tissues, Serum and Urine. *Cent Eur J Public Health*, 2(2):77-9, 1994.
387. Popescu, HI; et al. Chromosome Aberrations Induced by Occupational Exposure to Mercury. *Arch Environ Health*, 34(6):461-3, 1979.
388. Seaton, A; Bishop, AS. Acute mercury pneumonitis. *Brit J Indus Med*, 35:258-65, 1978.
389. Taskinen, H; et al. A possible case of mercury-related toxicity resulting from the grinding of old amalgam restorations. *Scand J Work Environ Health*, 15:302-4, 1989.
390. Verschaeve, L; et al. Genetic damage induced by occupationally low mercury exposure. *Environ Res*, 12:306-16, 1976.
391. Verschaeve, L; et al. Mercury Chloride- and Methyl Mercury Chloride-Induced inhibition in NOR Activity. *Teratogen Carcinogen Mutagen*, 3:447-56, 1983.
392. Verschaeve, L; et al. Comparative in vitro Cytogenetic Studies in Mercury-Exposed Human Lymphocytes. *Mutation Res*, 157:221-6, 1985.
393. Warkany, J; Hubbard, DM. Acrodynia and Mercury. *J Pediat*, 42:365-86, 1953.
394. Weaver, T; et al. An Amalgam Tattoo Causing Local and Systemic Disease. *Oral Surg Oral Med Oral Path.*, 63:137-40, 1987.

Dental Mercury and the Environment/Workplace

395. ADA. Recommendations in Dental Mercury Hygiene, 1984. JADA, 109:617-9, 1984.
396. Arenholt-Bindslev, D. Dental Amalgam: Environmental Aspects. Adv Dent Res, 6:125-30, 1992.
397. Arenholt-Bindslev, D; Larsen, AH. Mercury Levels and Discharge in Waste Water from Dental Clinics. Water Air Soil Pollution, 86(1-4):93-9, 1996.
398. Australia National Health and Medical Research Council. Recommendations in Dental Mercury Hygiene (1986). Australian Dent J. 32(2):136-7, 1987.
399. Canadian Dental Assoc. Guidelines for the Safe Handling of Mercury. J Canad Dent Assoc., 51(7), 1985.
400. DOD: Mercury and Silver in Clinical Wastewater, Goodfellow AFB, TX. AF0EHL Report 89-053EQ00076GIB, Jul 1989.
401. DOD Technologies/ Air Force Technologies. Removal of scrap dental amalgam from waste water. AF-47, AF95-013/14.
402. Rubin, P; Yu, M-H. Mercury Vapor in Amalgam Waste Discharged from Dental Office Vacuum Units. Arch Environ Health, 51(4):335-7, Aug 1996.
403. Seattle, Washington. Dental Office Waste Stream Characterization Study. Sep 1991.
404. Western Lake Superior Sanitary District. Dental Mercury Pollution Prevention Program. 2626 Courtland Street, Duluth, MN 55806.

Dental Composite Biocompatibility

405. Hamid, A; Hume, WR. Release of Estrogenic Component Bisphenol-A Not Detected From Fissure Sealants In Vitro. *J Dent Res.*, 76(SI):321, A2459, 1997.
406. Olea, N; et al. Estrogenicity of Resin Based Composites and Sealants Used In Dentistry. *Environ Health Perspect.*, 104:298-305, 1996.
407. Richardson, GM. Assessment of Exposure and Risks from Components and Degradation Products of Composite Resin Dental Materials. *Human Ecolog Risk Assess.*, 3(4):683-97, 1997.