27 June 2003

Dockets Management Branch (HFA-305)
Food and Drug Administration
5630 Fishers Lane
Room 1061
Rockville, MD 20852

Dear Colleagues:

I would like to submit the attached 250 references from refereed research journals for consideration by the panel that will be evaluating information with regards to the safety of amalgam fillings in dentistry.

Sincerely,

Boyd E. Haley
Professor and Chair
To Whom It May Concern: Below is a list of publications that I feel need being considered when evaluating the safety of dental amalgams with regards to increasing human mercury body burden and likely contributing to human illnesses.

Sincerely, Boyd Haley
Professor and Chair
Department of Chemistry
University of Kentucky
Lexington, KY 40506-0055

**Release of Mercury from "Silver" Dental Amalgam**

72. Dental "silver" tooth fillings: a source of mercury exposure revealed by whole-body image scan and
Effects of Mercury Exposure Central Nervous System

141. A stereological study of dorsal root ganglion cells and nerve root fibers from rats exposed to
140. Mercury in the rat hypothalamic arcuate nucleus and median eminence after mercury vapor
141. Detection of mercury in rat spinal cord and dorsal root ganglia after exposure to mercury vapor.
Neurol. Sci. 159:121-126.
143. Pathological changes in the Brown Norway rat cerebellum after mercury vapour exposure. Hua et
144. The effect of mercury vapour on cholinergic neurons in the fetal brain: studies on the expression of
Brain Res. 85:96-108.
145. Mercury distribution in cortical areas and fiber systems of the neonatal and maternal adult cerebrum
67:196-208.
146. Metallothionein induction in fetal rat brain and neonatal primary astrocyte cultures by in utero
147. An epidemiologic study of the relation between symptoms of fatigue, dental amalgam and other

Effects of Mercury Exposure on Reproduction and Development

149. Placental transfer of mercury in pregnant rats which received dental amalgam restorations.
Feb;196(2):79-88
151. Release of mercury from dental amalgam fillings in pregnant rats and distribution of mercury in
2001 Jun 21;163(2-3):115-26
152. Disposition of inhaled mercury vapor in pregnant rats: maternal toxicity and effects on
153. Maternal-fetal distribution of mercury (203Hg) released from dental amalgam fillings. Vimy et. al.,
154:498-499.
Lab. Sci. 27:135-141.
158. Concentration of mercury, cadmium and lead in brain and kidney of second trimester fetuses and
159. Distribution of mercury in guinea pigs offspring after in utero exposure to mercury vapor during late
162. Environmental pollutants and fertility disorders. Heavy metals and minerals. Gerhard and
Impact of heavy metals on hormonal and immunological factors in women with repeated miscarriages.
164. Prenatal coexposure to metallic mercury vapour and methylmercury produce interactive behavioural

**Amalgam Mercury, Antibiotic Resistant Bacteria and Immune System Impairment**

217. The level of mercury in human dental plaque and interactions in vitro between biofilms


Toxic Effects of Mercury Released from Dental Amalgam Restorations and Endodontic Filling Materials.


243. Effects of mercury on the isolated heart muscle are prevented by DTT and cysteine. Vassallo et al.,


