

# **Mr Brian Halvorsen**

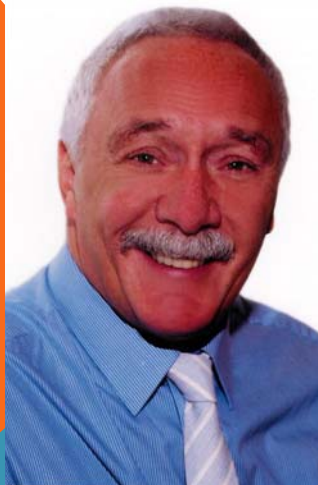
**BDS LDS, RCS. FRSH**



**AACL 2013**



# Dental Amalgam: What's all the fuss about?



Brian Halvorsen, BDS  
The Holistic Detox Dentist

# UN's position

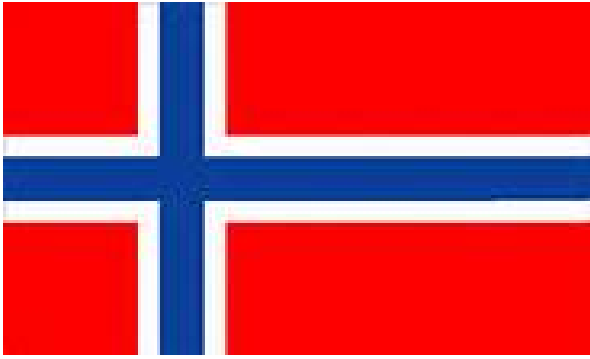


147 countries participated in the United Nations Environment Programme's (UNEP) Intergovernmental Negotiating Committee (INC5) meeting in Geneva, Switzerland, where, on January 19, 2013 these nations formalized a legally-binding treaty to reduce global use of dental amalgam.

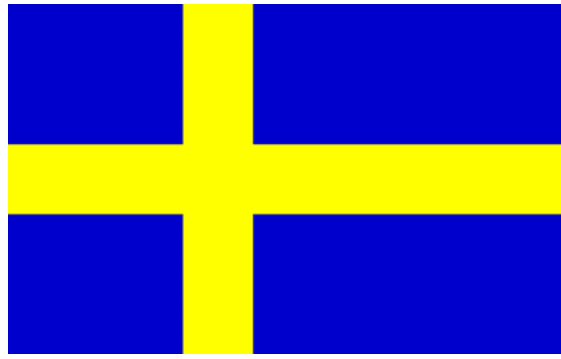
Michael T. Bender, director of the Mercury Policy Project, said: "This is the beginning of the end of dental amalgam globally."



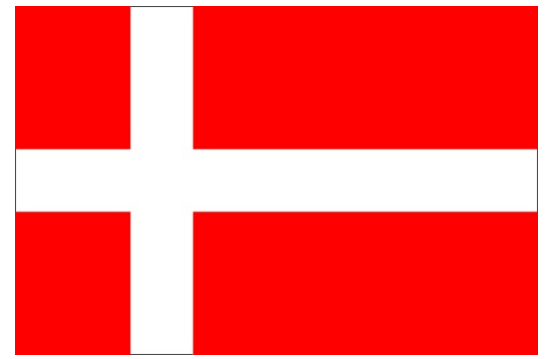
# Amalgam free countries



Norway



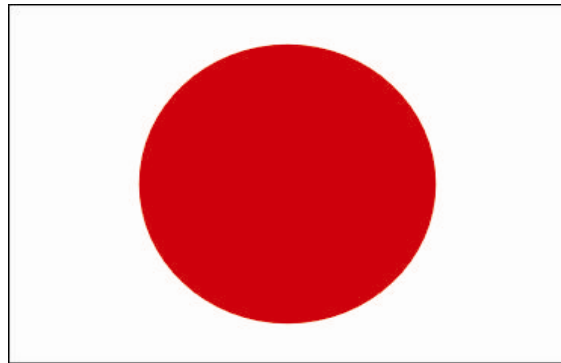
Sweden



Denmark



Russia



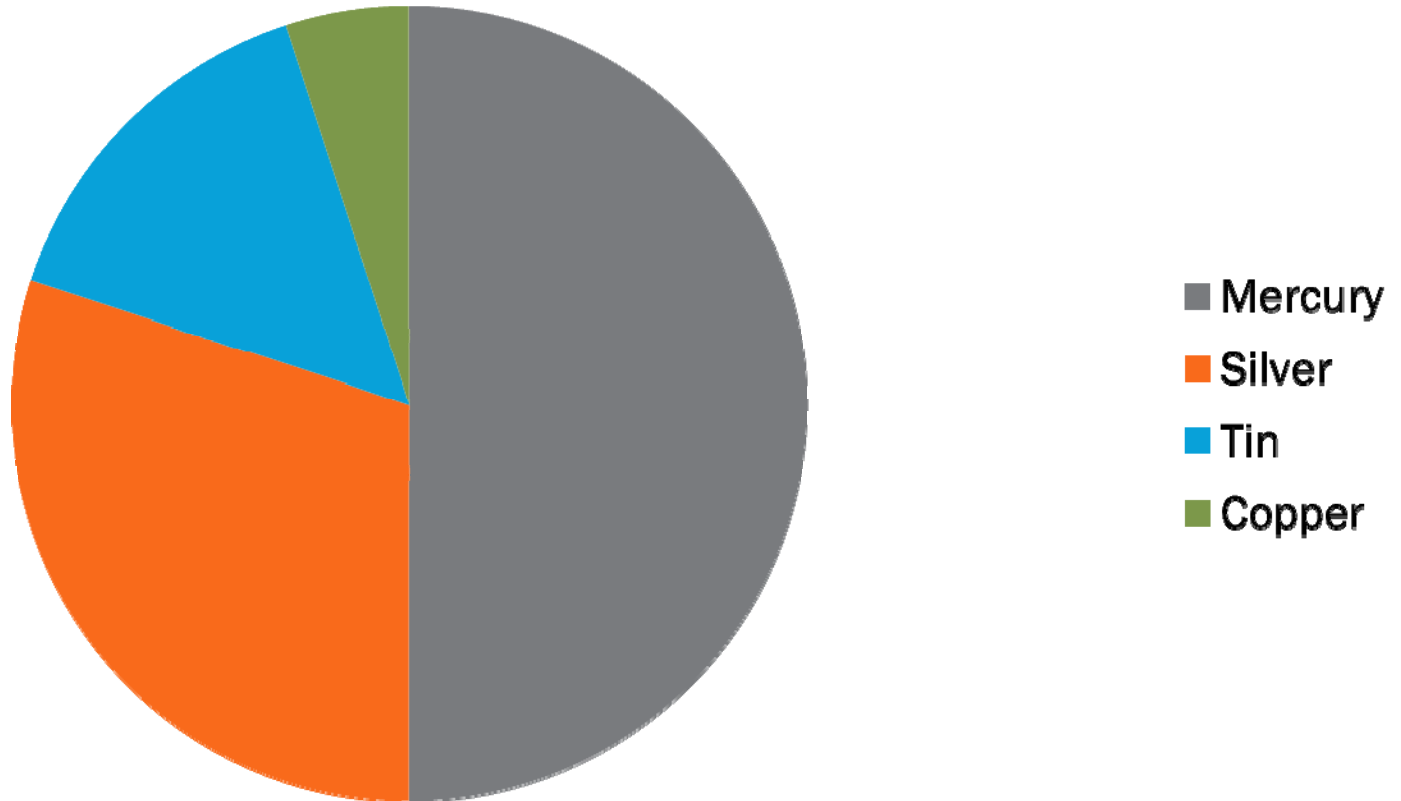
Japan



Finland

# Typical amalgam content

By percentage



# Mercury quotes

*"How is it that mercury is not safe for food additives and Over the Counter drug products, but it is safe in our vaccines and dental amalgams?"* **US Senator Representative Dan Burton (Indiana)**

*"The evidence tells me very succinctly that there is a chronic low-dose exposure to a toxic heavy metal that 80-85% of the industrialised world have implanted in their teeth, and it's a situation of timed-release poisoning."* **Dr Murray Vimy, research scientist and former World Health Organization consultant**

*"There is no safe level of mercury, and no one has actually shown that there is a safe level. I would say mercury is a very toxic substance."* **Dr Lars Friberg, Former Chief Adviser to the World Health Organization on Mercury safety**

*"If they have as few as 4 amalgam fillings present in their mouth, the average person's saliva is so high in mercury they cannot legally spit into the toilet. Their saliva exceeds the EPA maximum legal municipal discharge standard for mercury."* **David Kennedy D.D.S.**





# The definition of toxicity



Toxicity is the degree to which a substance can cause a harmful effect on a living organism.



# Implications for the UK?





**Whoops a daisy**

**Mail**Online

30 April 2013

## **Dental nurse 'poisoned her boss's coffee with mercury': Accused had faced the sack, court told:**

- Ravinder Kaur, 34, accused of lacing drink in act of 'spite and revenge.'
- She denies administering a poisonous or noxious substance with intent to cause harm.
- The frantic practice manager Laura Knowles was rushed to hospital with cramps.
- Kaur had twice been warned by bosses at Bedfordshire practice.

**BEDFORDSHIRE**  
**onsunday**

**"Trainee dental nurse Ravinder Kaur, 34, slipped the deadly poison into Laura Knowles' morning coffee in revenge at being disciplined..."**



# Mercury sources and symptoms

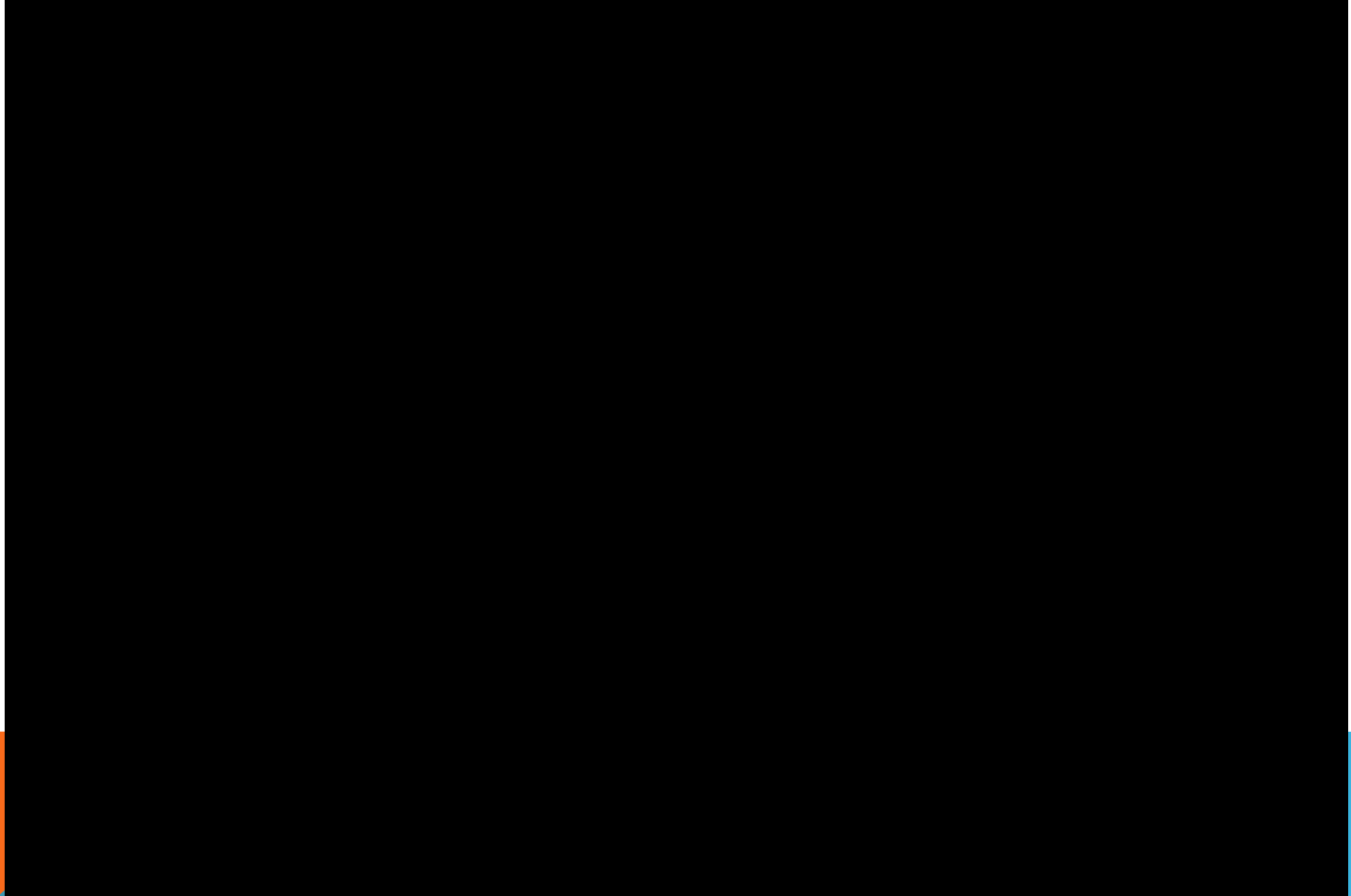
Adhesives  
Air pollution (and air-conditioner filters)  
All fish - especially salmon & tuna  
Animal & industrial waste  
Auto exhaust  
Batteries  
Calomel, body powders  
Cinnabar (used in jewelry)  
Cosmetics  
Dental amalgams

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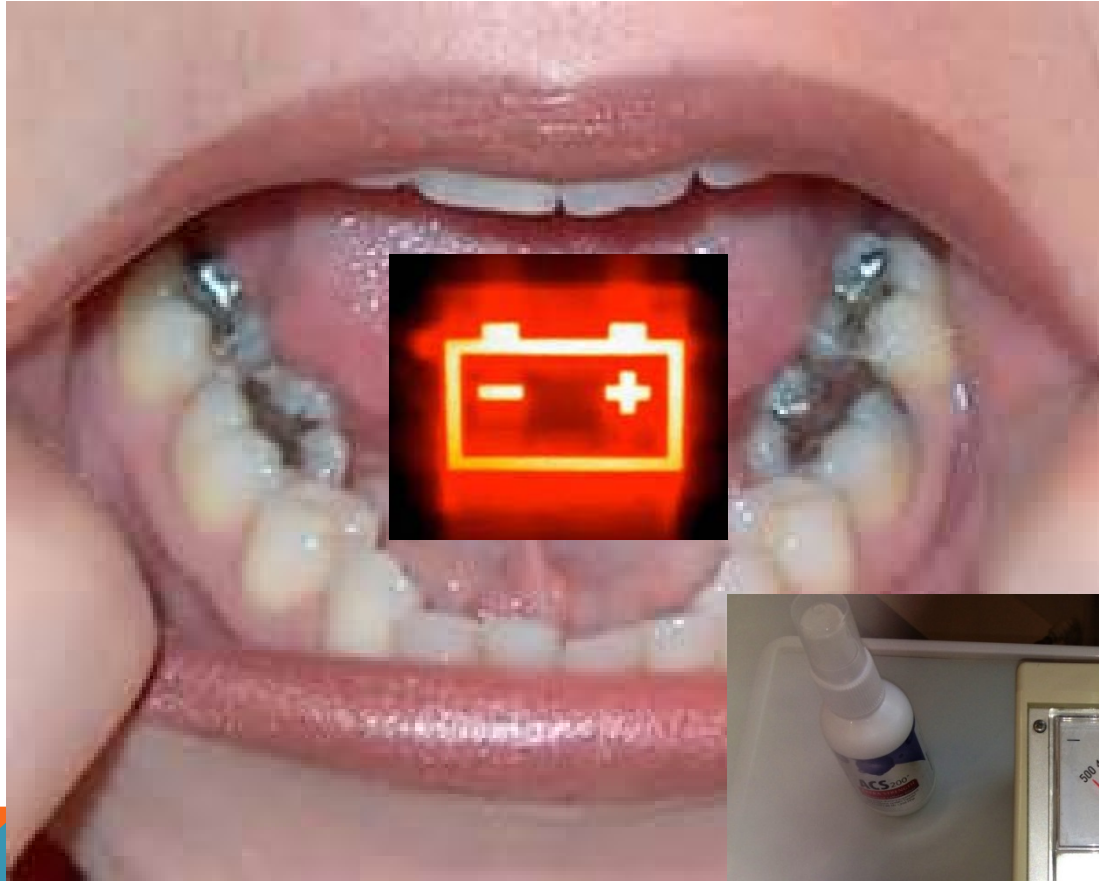
External salves  
Fabric softeners  
Fertilizers  
Floor wax  
Food (especially processed)  
Hemorrhoid supplements  
Laxatives  
Light bulbs (especially low energy types)  
Paints & pigments  
Pesticides  
Skin lightening creams  
Seafood and seawater  
Thermometers  
Vaccines  
Wood preservatives

↑ Anxiety  
↑ Appetite loss  
↑ Chronic yeast infections  
↑ Constipation  
↑ Depression  
↑ Dizziness  
↑ Fatigue  
↑ Hallucinations  
↑ Headaches  
↑ Hearing difficulties  
↑ Highly emotional  
↑ Hormone imbalance  
↑ Insomnia  
↑ Hypothyroidism  
↑ Irritability  
↑ Kidney impairment  
↑ Loss of confidence  
↑ Memory loss  
↑ Muscle weakness  
↑ Nervousness  
↑ Numbness in lips & feet  
↑ Skin inflammation  
↑ Speech disorders  
↑ Tremors  
↑ Weight loss/gains

# Mercury and the brain

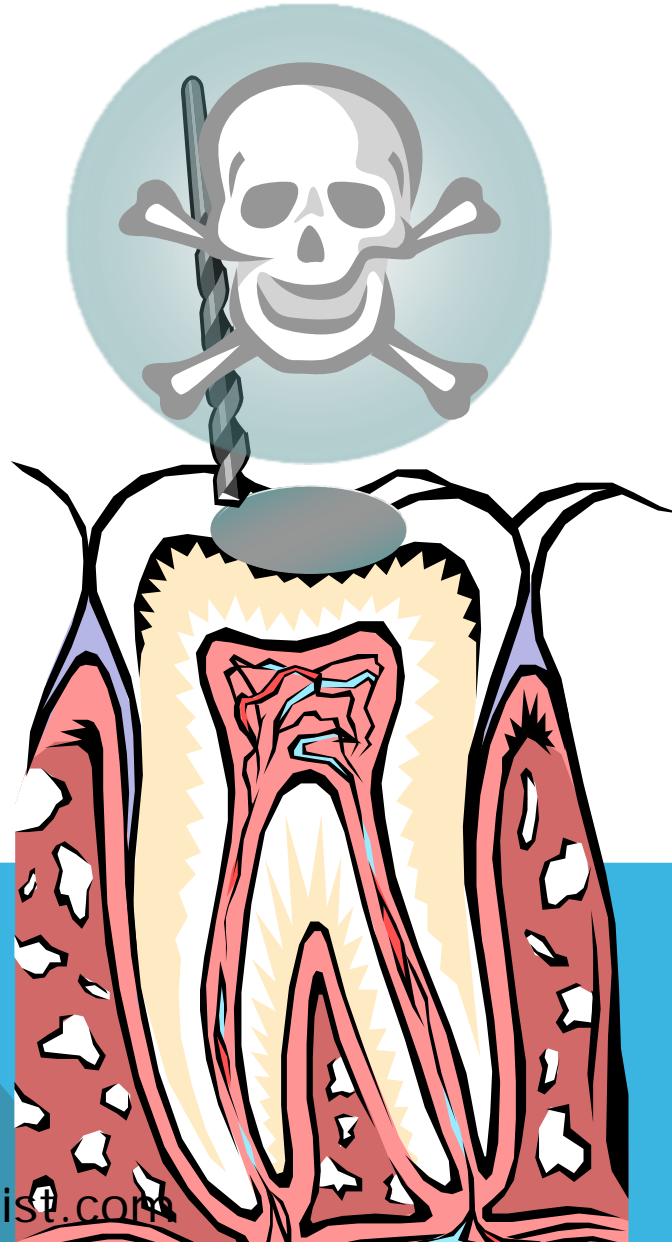


# Your own personal radio!





# Issues removing an amalgam





# Self defence for the dentist



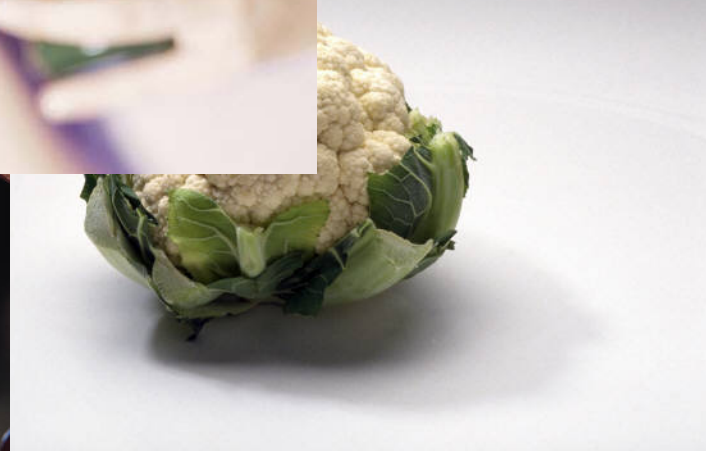


# Removing the reservoir





# Nutritional defence



# Supplemental defence

- ALA (alpha lipoic acid)
- Allicin
- DMSA (dimercaptosuccinic acid)
- EDTA (ethylenediaminetetraacetic acid)
- Malic acid
- Selenium
- Silver protein (mild colloidal silver)
- Zeolite

“plus don’t  
forget your  
vitamin C and

# My conclusion







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