

German Health Ministry on Palladium Toxicity

The German Health Ministry has been warning dentists since 1993 not to use palladium-copper alloys any longer.

...especially people who have nickel allergies react to palladium. Adding dental metals like palladium heightens the risk of illness in some people.

Palladium/Copper alloys contain up to 10% indium and can cause severe periodontal disease.

Content of Palladium/Copper alloys can be up to 10% Indium, Gallium, Zinc, Tin, Cobalt.

In Switzerland Palladium dental alloys have been banned.

Laboratory tests are showing the following toxic effects:

- obstruction of important enzymesystems like creatin-kinase, aldolase, alkaline phosphatase, carbon-anhydrase, trypsin, chymotrypsin
 - disturbance of collagen synthesis like bone and cartilage
 - obstruction of thymidine in the DNA
 - accumulation in different organs
 - allergic reactions in people with nickel allergy
- early symptoms of toxicity:
- increased salivation
 - pain in teeth and jaw
 - tongue burning
 - cold feeling in mouth
 - metal taste
 - peeling of mucous membrane around teeth
 - fungus like coating in throat and sore throat
 - painful, swollen lymph nodes in the neck
- late symptoms:
- dying of teeth
 - granulomas
 - puss pockets with dead tissue
 - swollen tongue
- systemic early symptoms:

- extreme nervousness
- extreme tiredness
- confusion
- memory loss
- dizziness
- migraine headaches
- burning of eyes
- allergies
- impairment of immune system
- burning blisters on body
- systemic late signs:
- nerve pain in the face
- paralysis of face
- muscle cramps of tongue, lips, around eyes
- sinus infection
- bronchitis
- lung ailments without clear reason
- difficultly breathing at night
- problems with stomach, intestines, liver, bladder, kidneys
- weight loss
- joint and muscle pain
- muscle cramps and weakness
- ear noise
- visual disturbance
- depression
- insomnia
- outbreaks of sweat
- palpitation
- difficulty to concentrate