Chlorella


CGF - optimal facial development, optimal skeletal growth and development of intelligence:


CGF in adults: hGH (human Growth hormone):

Chlorella in cancer therapy


CVE: infections and lead

- CVE: treatment of intestinal infections (Listeria, pathogenic e.coli and CMV) and lead toxicity:

Chlorella Safety

- 500 Gramm Chlorella per day in experiment without serious side effects except bloatedness (Algae Feeding in Humans R.Powell et al, J of Nutrition 75: 61, pg 7-12). Exempt in Japan from necessity of further safety studies
- NIN report: no LD 50 in rats
- South Korea: 4000 tons of chlorella used annually by humans without reports of worrisome side effects
Chlorella membrane

- (Bohumil Voelsky: Biosorption of Heavy Metals. CRC Press, 1990)
- Hemizellulose A and B
- C. P membrane contains Sporopollenin, not C.V
- Membrane contains carotenoids, polyphenols and more
Chlorella and Metal Binding

**Cadmium**


**Uranium**


**Lead**

Protective effects of chlorella vulgaris in lead exposed mice infected with Listeria monocytogenes M. Queiroz et al  *International Immunopharmacology* 3 (2003) 889-900

**Mercury**


Klinghardt, D.: Algenpraeparat hilfreich bei der Amalgamausleitung

Erfahrungsheilkunde Band 48, Heft 7, Juli 1999


*Parachlorella beyerinckii* CK-5 is found to accelerate excretion of methyl-mercury both into feces and urine: “Japan Society for Bioscience, Biotechnology and Agro-chemistry” (JSBBA:...
Chlorella and Chemical Detox

The Randall Merchant PhD Studies


Chlorella in pregnant and breastfeeding mothers

- Effect of chlorella pyrenoidosa on fecal excretion and liver accumulation of polychlorinated dibeno-p-dioxin in mice
  Chemosphere 2005;59 297-304

- Maternal-fetal distribution and transfer of dioxins in pregnant women in Japan, and attempts to reduce maternal transfer with Chlorella (Chlorella pyrenoidosa) supplements
  S.Nakano et al  Chemosphere, April 2005

- Chlorella Pyreneidosa supplementation decreases Dioxin and increases Immunoglobulin A concentrations in breast milk
  Shiro Nakano et al  J Med Food 10 (1) 2007, 134-142)
Chlorella optimizes lipids


Cilantro

- “Removal and preconcentration of inorganic and methyl mercury from aqueous media using a sorbent prepared from the plant Coriandrum sativum”
  D. Karunasagar*, M.V. Balarama Krishna, S.V. Rao, J. Arunachalam
  (National Center for Compositional Characterization of Materials (CCCM), Bhabha Atomic Research Centre)