



EBM
CUPRUM METALLICUM

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CUPRUM METALLICUM

Possibility

Probability

Confirmation

Corroboration

Verification

Possibility



PHARMACOLOGY:

- The red mineral is described as *Cuprum metallicum* for homeopathic preparation in the European Pharmacopoeia (PhEur).
- It is a malleable, reddish-brown metallic element with atomic number 29.
- Copper is essential to all living organisms as a trace dietary mineral.
 - key constituent in many enzyme complexes.
 - linked to iron absorption and metabolism, the formation of red blood cells and nerves.
 - found in human liver, muscle and bone.
- Copper deficiency is seldom because only 2 to 5mg, easily obtained from a variety of foods, is sufficient for a proper balance.
- Copper compounds are used as bacteriostatic substances, fungicides and wood preservatives.



Possibility

Symptoms:

- Copper accumulates in Wilson's disease, primary biliary cirrhosis and occasionally in chronic biliary tract obstruction producing fatigue; lack of appetite; abdominal pain; jaundice; oedema in legs, ascites; problems with speech, physical coordination or swallowing; uncontrolled movements or muscles stiffness.
- Ref. European Pharmacopoeia 8.2 7/2014. / Homéopathie et Physiologie. Hodiamont. Ed Similia ISBN 2-7008-0176-8..

Probability



- **Proving:** Hahnemann did the first proving of Cuprum metallicum and mentioned it for the first time in his book “Chronic diseases” (1828). In his “Fragmenta” (1805) the proving of Cuprum vitriolatum (Sulfuricum) was already described. Allen included the first Hahnemannian proving in his Encyclopaedia under A1 (3 provers)



Probability

SYMPTOMS:

Mind:

- immoderate spasmodic laughter in the evening;

Head:

- attacks of vertigo, >looking up with vanishing of vision as though a veil before eyes

Throat to abdomen:

- audible gurgling down the throat when drinking; eating hastily; eructation's all afternoon.



Probality

Respiration:

- spasmodic attacks of dyspnoea and spasmodic vomiting; rattling in chest, feeling as excessive blood in chest.

Extremities:

- jerk and cramps;

Generals:

epileptiform attacks, trembling and restlessness.

- Ref. Hahnemann. Chronic Diseases.1828. French translation by Schmidt & Kunzli Ed
Maisonneuve 1969.



Confirmation

Provings: 133 provers, 1341 symptoms.

Keynotes:

Constitution: Spasms and cramps:
symptoms disposed to appear periodically
and in groups.



Confirmation

Mind and Physical general:

- Mental and physical exhaustion from over-exertion of mind and loss of sleep;.
- While drinking, the fluid descends with a gurgling sound.
- Cholera morbus, with cramps in abdomen and calves of legs.
- Convulsions, with blue face and clenched thumbs.
- Cramps in the extremities
- Clonic spasms,
- Puerperal convulsions
- Paralysis of tongue: imperfect, stammering speech.
- Epilepsy: aura begins in knees and ascends.

Confirmation



COUGH:

- Cough has a gurgling sound, as if water was being poured from a bottle. Cough >> by drinking cold water.
Whooping-cough: long lasting, blue face; cataleptic spasm with each paroxysm.

MODALITIES:

- Aggravation by cold air; cold wind; at night; suppressed foot sweat or exanthema.
- Ref. Allen T. Encyclopedia of Pure Materia Medica (Vol 1-10) New York, USA : Boericke & Tafel/ Philadelphia, USA: Boericke &Tafel, 1879 // Bradford T. Index of Homeopathic Provings. New Delhi, India B.Jain Publishers. 2000. // Dake J, Hughes R. Cyclopaedia of Drug Pathogenesis (Vol 1-4) London: Gould/ New Delhi, India B.Jain Publishers. 1891. // Allens Keynotes. H.C. Allen. B. Jain Publisher. New Delhi, India.

Corroboration



- **Some examples out of 21 publications (**
<http://www.carstens-stiftung.de/hombrex/>):

The physiology of Cuprum metallicum is well known at a very low concentration level.

- A shifting of resonance frequencies as a function of medicine and potency was observed with potencies below and above the Avogadro limit.
- Cuprum metallicum was detected up to a dynamisation of 200CH.
- In vitro, a significant lipidic peroxidation inhibition has been demonstrated using Cuprum met. C30
- Ref. Mahata, C.R. Dielectric dispersion studies of some potentised homeopathic medicines reveal structured vehicle. Homeopathy (2013), Vol. 102(4), pp. 262-267. // Chikramane, P.S.; Suresh, A.K.; Bellare, J.R.; Kane, S.G. Extreme homeopathic dilutions retain starting materials: A nanoparticulate perspective. Homeopathy (2010), Vol. 99(4), pp. 231-242. // Batello, C.F. Antioxidante effect in vitro of the homeopathic medicine Arsenicum album, Cuprum metallicum, Manganum and Zincum metallicum (2002)pp. 1-42

Verification



- **Examples out of the 143 authors** describing 7266 clinically verified symptoms of Cuprum metallicum:
- ***Symptoms: Mind:*** the essence is want of self-confidence with very strong desire to prove that he is not worthless by holding everything under his control. Restlessness.



Verification

PHYSICAL :

- Spasmodic affections, tonic and clonic spasms, convulsions, and epileptic attacks.
- Chorea brought on by fright.
- Nausea is greater than in any other remedy.
- In epilepsy, aura begins at knees, ascends to hypogastrium
- The pains are increased by movement and touch.
- Suppuration of tonsils.



OXFORD EBM SCALE.

LEVEL 1

- 1a: SR (Systematic review) of RCT's.
- 1b: Individual RCT

LEVEL 2

- 2a: SR of cohort studies
- 2b: Individual cohort studie
- 2c: "Outcomes" research; Ecological studies.

LEVEL 3:

- 3a: SR of case-control studies
- 3b: Individual case study

LEVEL 4:

- Case-series

LEVEL 5:

- Expert opinion



Verification

Animal surveys:

- Confirmed experimental arguments in favour of the effect of very weak doses of copper (4CH) on digestive motricity in mice and rabbits are available.

Human survey:

- In a randomized, good quality placebo controlled, cross over design study on 20 patients in hemodialysis and presenting cramps the effect on cramps is clearly in favor of the Cuprum metallicum 9CH. **EBM level 1b** and all levels below.
- Ref. Dr Tinus Smits. Inspiring Homeopathy: Treatment of Universal Layers. 2013. ISBN 9789076189000. // First line medicine – Clinical verification – Verification of homeopathic symptoms ISBN (2008) 978-2-87491-003-6 /Van Wassenhoven M. // [Boericke, William](#); Boericke, Oscar E. (1927). *Homeopathic Materia Medica*. ISBN 0766183882 // First experimental arguments in favor of the effect of very weak doses of copper on digestive motricity in mice and rabbits Santini,R., Tessier,M.,Belon, P.,Pacheco,H. // Hariveau E, Nolen P, Holtzscherer A. A study of the effectiveness of ultra low doses of copper in the treatment of hemodialysis-related muscle cramps. In: Doutremepuich C (ed.) Ultra Low Doses. London, Taylor & Francis 1991: 145–149. // Linde K, Clausius N, Ramirez G, Melchart D, Eitel F, Hedges LV, Jonas WB : Are the clinical effects of homoeopathy placebo effects ? A meta-analysis of placebo-controlled trials. Lancet 1997, 350:834-843.