

Conference presentation

Examination of specific effects of different homeopathic preparations on cress seedlings with a CuCl₂-biocrystallization assay

Author: Anezka Marie Sokol^{a,e}, Paul Doesburg^b, Claudia Scherr^c, Stephan Baumgartner^{a,c,d}

^a Center for Integrative Medicine, University of Witten/Herdecke, Gerhard-Kienle-Weg 4, 58313 Herdecke, Germany

^b Crystal Lab, Landgoed Roepaen, Kleefseweg 9, 6595 NK Ottersum, The Netherlands

^c Hiscia Institute, Kirschweg 9, 4144 Arlesheim, Switzerland

^d Institute of Complementary Medicine KIKOM, University of Bern, Insel-Spital, 3010 Bern, Switzerland

^e corresponding author: anezka.sokol@uni-wh.de

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The effect of six different homeopathic remedies on cress (*Lepidium sativum* L.) has been examined by CuCl₂-biocrystallization. The method was based on the protocols of [1] and a follow up study (not yet published). Cress seeds germinated and grew for four days *in vitro* in a 30x potentization of *Stannum metallicum*, *Arsenic Album*, *Mercurius metallicum*, *Sulphur*, *Silicea* or Lactose (control) in a blinded and fully randomized assignment. Each remedy was prepared sterile and divided into 20 bottles used in 10 experiments. CuCl₂-biocrystallization of seedlings extracted in the homeopathic preparations was performed on circular glass plates. Resulting biocrystallograms were analysed by digital textural image analysis. Texture analysis variables analysed yielded significant results between the control and some of the homeopathic treatments, as well as between a number of the different treatments. As the texture of the biocrystallograms of homeopathically treated cress exhibited effects depending on the remedies, the CuCl₂-biocrystallization method will be further applied to a larger study investigating specific effects of different homeopathic preparations.

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References

[1] Baumgartner S, Doesburg P, Scherr C, Andersen J-O. Development of a biocrystallisation assay for examining effects of homeopathic preparations using cress seedlings. Evid Based Complement Alternat Med 2012;2012:125945. doi:10.1155/2012/125945

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