Homeopathy the Nanopharmacology – Nanoparticle characterization of Natrum Mur LM1-LM30 and Hypericum 6C-CM.

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Abstract

Background: Dr. Hahnemann improvised Homeopathy to such an extent, that his discovery of potentization of homeopathic medicines questioned the fundamental belief systems of the basic sciences. This resulted in a constant disapproval of homeopathic system by the main stream science and was accused as a placebo therapy, yet the clinical efficacy of homeopathy remained unquestionable.

Aims: The present study was done to analyze the presence/absence of particles in Natrum Mur LM1-LM30 and Hypericum 6C-CM potencies. This is a part of the 33 homeopathic drugs studied by using HRTEM&EDS and FESEM&EDS in Centesimal scale 6C, 30, 200, 1M, 10M, 50M and CM and LM scale in LM1, LM6, LM12, LM18, LM24 and LM30 potencies.

Methods: Drug samples were procured from Willmar Schwabe India Pvt Ltd, New Delhi a subsidiary of Willmar Schwabe, Germany (It is impractical to prepare dilutions up to 100000C (CM) which requires huge logistics and years of manual work). Homeopathic manufacturing grade alcohol was used as the control sample and the same was analyzed under FESEM. After 20 minutes sonication of the sealed drug bottles, one micro drop was procured from the middle of the bottle by using a micro pipette. 1- HRTEM & EDS (Natrum Mur LM1-LM30) One drop was poured into TEM grid. Sample grid dried overnight under IR light and analyzed under HRTEM. 2 – FESEM & EDS (Hypericum 6C-CM) – One drop was poured in to the well cleaned silicon wafer fixed on the double sided carbon tape attached on the mount. The prepared samples were allowed to dry up in dust free environment and further kept in vacuum desiccator for overnight. The well dried samples were mounted in the FESEM chamber and analysed.

Results: Plenty of particles in nanometer and especially less than 10 nm scale were seen in Natrum Mur with presence of sodium and Chlorine in all the potencies. Enormous particles were identified in all the potencies of Hypericum in nanometer scale composed of Carbon and Oxygen. No particles were identified during the FESEM analysis of the control sample.

Conclusion: The complete absence of any sort of particles in the control sample affirms the Nanopharmacological realities of homeopathic ultra high dilutions. The presence of NPs & QD sized particles of the drug substance in all potencies must be the reason for the cure in diseases. The same might be the reason for the production of transient signs and symptoms in Hahnemannian drug proving. This discovery of NPS in all the drug potencies and the individualized drug selection are important evidence which substantiate and place homeopathy an established “personalized Nanomedicine” with 200 years of collective clinical experience. The recently known abilities of NPs to initiate epigenetic modification are a pointer towards the ability of homeopathic ultra high dilutions to alter the epigenetic regulation of genes.
dilutions with its Nanopharmacological agents to cure the diseases in much deeper level than the conventional medicines.

**Keywords:** Nanoparticles (NPs), HRTEM, FESEM, EDS, Material science, Natrum Mur and Hypericum

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