



“Homoeopathy from Nano medicine to Quantum Medicine”

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Abstract –Ultra diluted homoeopathic medicine (potency) contains nano particle and very high potency (sub nano scale or beyond sub nano) obey the law of quantum mechanics.The chemical machinery that powers biological systems consists of complicated molecules structured at the nanoscale and sub-nanoscale. At these small scales, the dynamics of the chemical machinery is governed by the laws of quantum mechanics.Higher dilution of homoeopathic medicines are no more placebo and the action of such medicine is due to quantum mechanics.

Keywords – Homoeopathy , Nano medicine , Potency ,Quantum medicine .

History

In the late 19th century, homeopathy has suffered from an extreme lack of respect among practitioners of conventional medicine. The founder of homeopathy, Dr. Samuel Hahnemann (1755-1843), based his theories of practice on meticulously documented experimentation and observation, and initiated the first system of drug testing. Unfortunately for homeopathy, Dr. Hahnemann was no diplomat, and the medical method he founded was markedly less interventional and expensive than the prevailing treatments of the time (bloodletting, leeches, mercury, etc.). His disparaging writings about these mainstream treatments had the net effect of a negative response toward his new system of medicine by the “regular” medical community.

Doctrine of Homoeopathy

Homeopathy from the Greek *hómoios*- - "like-" + *páthos* - "suffering") is a system of alternative medicine created in 1796 by Samuel Hahnemann, based on his doctrine of **like cures like**, according to which a substance that causes the symptoms of a disease in healthy people will cure similar symptoms in sick people.

Hahnemann method of drug proving

At first Hahnemann used undiluted doses for provings, but he later advocated provings with remedies at a 30C dilution, and most modern provings are carried out using ultradilute remedies in which it is highly unlikely that any of the original molecules remain. During the proving process, Hahnemann administered remedies to healthy volunteers, and the resulting symptoms were compiled by observers into a "drug picture". The volunteers were observed for months at a time and made to keep extensive journals detailing all of their symptoms at specific times throughout the day. They were forbidden from consuming coffee, tea, spices, or wine for the duration of the experiment; playing chess was also prohibited because Hahnemann considered it to be "too exciting", though they were allowed to drink beer and encouraged to exercise in moderation. After the experiments were over, Hahnemann made the volunteers take an oath swearing that what they reported in their journals was the truth, at which time he would interrogate them

James Tyler Kent's 1905 Lectures on Homoeopathic Materia Medica, 217 remedies underwent provings and newer substances are continually added to contemporary versions. extensively concerning their symptoms.

ATTACKS ON HOMEOPATHY –

- 1) Dame Sally Davies, has stated that homeopathic remedies are "rubbish" and do not serve as anything more than placebos.
- 2) Jack Killen, acting deputy director of the National Center for Complementary and Alternative Medicine, says homeopathy "goes beyond current understanding of chemistry and physics." He adds: "There is, to my knowledge, no condition for which homeopathy has been proven to be an effective treatment.
- 3) The National Center for Complementary and Alternative Medicine of the United States' National Institutes of Health states:

Homeopathy is a controversial topic in complementary medicine research. A number of the key concepts of homeopathy are not consistent with fundamental concepts of chemistry and physics. For example, it is not possible to explain in scientific terms how a remedy containing little or no active ingredient can have any effect. This, in turn, creates major challenges to rigorous clinical investigation of homeopathic remedies. For example, one cannot confirm that an extremely dilute remedy contains what is listed on the label, or develop objective measures that show effects of extremely dilute remedies in the human body.

The preparation process

The preparation involves successive dilution steps. The first three steps entail grinding the starting material in milk sugar, typically using a mortar and pestle, or making a tincture following precise instructions in the Homeopathic Pharmacopeia. The remaining steps entail dilution in ethanol and then water. Of major importance is the process known as succussion, which is the rigorous shaking or agitation of the solutions between each dilution step.

Dilutions are performed in either a 1:9 or 1:99 series until the desired potency is reached. For example, a dilution of 1:9, first in milk sugar and then in ethanol, carried out 12 times, would be designated as a 12x dilution, where the “x” designates the “1 to 10” dilution. A dilution in the 1:99 series carried through 200 steps of dilution would be designated a 200c dilution, where the “c” designates the “1 to 100” dilution.

According to “Avogadro’s constant”, after a total of 24 “x” dilutions or 12 “c” dilutions, no particles of the original substance should theoretically be present in these preparations. While it is possible to practice homeopathy using low dilutions that theoretically should contain the starting material, most homeopaths use dilutions in the magnitude of 30c, 200c and beyond – way beyond where Avogadro’s constant says any starting material should be present. To further confound the situation, according to homeopathic principles, the higher the dilution, the more “potent” the remedy !

Remedy sources -Homeopathic remedies are made from substances in the animal, vegetable and mineral kingdoms.

1) **Animal kingdom** remedies are made from products such as venom of the bushmaster snake (*Lachesis*), whole ground honeybee (*Apis*) and bitch’s milk (*Lac caninum*).

2) **Plant remedies** include poison hemlock (*Conium maculatum*), pot marigold (*Calendula*) and leopard’s bane (*Arnica montana*).

3) **Mineral remedies** are made from any element of the Periodic Table as well as any of their salts. Sodium chloride (*Natrum muriaticum*), phosphorus, and calcium carbonate (*Calcarea carbonica*) are three commonly used remedies.

4) **Imponderbilia** –sun rays ,moon light, magnet ,x-rays .

5) **Bowel nosodes** –sycotic co ,

6) **Disease and microbes** – tuberculin, bacilinum, streptococcin, pertussin ,carcinisin

7) **Vaccines** –polio, DPT, Tetanus toxid ,

8) **Allopathic medicine and chemicals**- penicillin, streptomycin, benzene, nitroglycine, TNT

Nano particle

A nanoparticle (NP) is a very small particle made from a specific source material .Because of their unique properties at the smaller sizes, many experts limit consideration to nanoparticles in the size range of 1-100 nanometers (nm)

1 nanometer=10⁻⁹ meter

Nanoparticles (a few to a few thousand atoms) have properties different from those found in bulk (ordinary, billions of atoms) forms of the “same” material .These altered properties include changes in electromagnetic, thermal, optical, biochemical, and quantum properties of the particle.

Nanoparticle Properties Differ from Bulk Form of “Same” Material

Altered Properties:

- a)Biochemical, Electromagnetic, Optical, Thermal ,
- b) Properties vary by dose, size, shape, surface charge
- ii)Quantum entanglement and coherence (atom-like)
- iii) Enhanced catalytic reactivity
- iv)High surface adsorption capacity
- v) High bioavailability and ability to cross membrane
- vi) Lowers necessary doses by orders of magnitude
- vii)Nano particle forms drastically reduce need for repeat dosing (Ahmad et al 2006)
- viii) Reduces side effects.
- ix) Large Surface Area and Surface Energy in Nanoscale Particles (Cao & Wang 2011)

Hahnemann discovers nano particle-

Organon of Medicine, Aphorism 269

“...This remarkable alteration in the properties of natural bodies is achieved through mechanical action on their smallest particles by trituration [in milk sugar] and succussion [in distilled waterethanol solution] while these particles are separated from one another by means of an intervening, indifferent substance that is either dry or liquid...”

Modern Nanoparticle Manufacturing (DeCastro & Mitchell 2002)

□“...nanoparticles from mechanical attrition are produced by a “topdown” process. Such nanoparticles are formed in a mechanical device, generically referred to as a ‘mill,’ in

which energy is imparted to a [coarse]-grained material to effect a reduction in particle size...”

Homoeopathic medicine has nano particles

Nanoparticles are formed during trituration milling .

Source nanoparticles are transferred from “dilution” to “dilution” because of succussion effects creating nanobubbles to carry nanoparticles into layered accumulation

Silica and silicon nanoparticles form across dilutions from repeated succussions in glass in ethanol-water solutions.

Various study done with nano form

i)Calcium Phosphate Nanoparticles (NPs) Induce Apoptosis in Osteosarcoma Cells (Shi et al 2010)

ii)Carbon nanocrystalline fullerene nanoparticles reduce tumor cell numbers in rat, human glioma cells (Harhaji et al 2007)

iii) Homeopathic Phytolacca tincture encapsulated as PLGA nanoparticles show chemopreventive effects in human lung adenocarcinoma cells (Das et al 2012)

iv)Homeopathic Ruta 6C plus Calc Phos 3X in human glioma cells (Pathak et al 2003)

v)Ultra high dilution of triiodothyronine modifies cellular apoptosis in *Rana catesbeiana* tadpole tail in vitro .Guedes JR et al 2011 Oct;100(4):220-7. doi: 10.1016/j.homp.2011.05.007

vi)In vitro immunological degranulation of human basophils is modulated by Lung histamine and *Apis mellifica* .Br. J. clin. Pharmac. (1988), 25, 439-444

vii)Influence of the diluent on the effect of highly diluted histamine on basophil activation. Lorenz I, Schneider EM, Stolz P, Brack A, Strube J. 2003 Jan;92(1):11-8.

Silicon Content of Remedy Samples (Upadhyay et al Int J High Dilution Res 2011)

S.No.	Name of sample	Samples detail	Silicon content (ppm)
1	<i>Pulsatilla</i> 15cH	Potencies, i.e. medicines	2.4
	<i>Colchicum</i> 15cH		2.3
	<i>Belladonna</i> 15cH		2.4
2	<i>Pulsatilla</i> 15 th cent. dil.	Dilutions without agitation, i.e. controls	0.8
	<i>Colchicum</i> 15 th cent. dil.		0.9
	<i>Belladonna</i> 15 th cent. dil.		0.7
3	<i>Water</i> 15cH	Potency of water, i.e. control	2.3
4	<i>Pulsatilla</i> 15cH	Potencies prepared in plastic vials, i.e. controls	0.4
	<i>Colchicum</i> 15cH		0.3
	<i>Belladonna</i> 15cH		0.3

Ethanolic plant tinctures or ionic liquids

Lactose-triturated insoluble minerals, animal parts, or other solids (mechanical milling or grinding into small particles for hours)

Serial dilutions and succussions in glass containers

Ethanol-water diluent Silica and precursors mechanically released into solution by repeated agitations (succussions) from walls of glass container to form silica and silicon nanoparticles

Silica in walls of glass containers could also serve as anchor surfaces for nanoparticle adsorption.

ROLE OF SILICA NANO PARTICLE IN REMEDIES

i) Nanoparticles Adsorb Materials onto Their Surfaces (Guha et al Analytic Chem 2012)

ii) Drug delivery vehicle for plant, mineral, or animal source materials in nanoscale form in liquid potencies.

Homeopathy a Quantum medicine

“Nature is the great nano-technologist. The chemical machinery that powers biological systems consists of complicated molecules structured at the nanoscale and sub-nanoscale. At these small scales, the dynamics of the chemical machinery is governed by the laws of quantum mechanics.”-- S. Lloyd 2011 J. Phys.: Conf. Ser. 302 012037

Conclusion – from scientific evidence it proves that homeopathic medicine in diluted form are no more placebo, diluted homeopathic medicine contain nano form of silica and they act as vehicle to deliver the drug also the silica form adsorb the drug. The nano form of such medicine the dose required is less and the

need for repeating the dose also decreases. At sub- nano level or beyond nano the dynamics of complex biological system is governed by law of quantum mechanics.

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