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REVIEW ARTICLE

A NANOMEDICINE- THE HOMOEOPATHY

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Abstract

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The concept of employing nanotechnology in biomedical research and clinical practice is best known as nanomedicine.

Nanoparticles can get into the body through the skin

(applying medicinal homoeopathic dilution), lungs (by inhaling) and digestive system (oral route). This may help to

restore the deviated vital force which can cause cell repair and

sense of well being. Researchers and homeopathic clinicians

find that the even smaller homeopathic doses have longer

lasting effects, and do not require repetition of dosages.

INTRODUCTION

Today, it is believed that in the future, due to nano technology, extraordinary changes will be seen everywhere, as the extraordinary properties of nano materials have started to make the imagination of researchers run wild. For example, if the particle size of sugar is reduced to ten nanometers, its color will be blue and it will taste salty, etc

Before exploring the possible mechanism behind the working of serially diluted succussed solutions, it is interesting to see the importance of too small in nature. In this regard, there is a famous quote from Johannes Kepler: "Nature uses as little as possible of anything."

Nature is replete with specific examples of the powerful impact that

results from extremely small doses of specific substances to significantly change living things and to alter physiologies and behaviors. We all know that every living creature is hypersensitive to whatever it needs to survive.

Nanopharmacology and Homeopathy

While this skepticism of the efficacy of small doses of medicine is understandable from a strictly rational perspective, it ignores the large body of evidence from basic science, controlled clinical studies, epidemiological data, clinical outcomes trials, and historical review of the field.

Before discussing this evidence, it is useful to understand that homeopaths are the first to recognize that their medicines will not have any biological effect or clinical result unless the complex of symptoms that the sick person experiences are similar to the complex of symptoms that the medicine has been found to cause when given in toxic doses. It is not as though small doses of simply any medicine will elicit therapeutic results; such small doses can and will only initiate a healing response when a person is hypersensitive to a specific medicine.

Homeopathic Medicine: A Nanopharmacology

Homeopathic medicine presents a significantly different pharmacological approach to treating sick people. Instead of

using strong and powerful doses of medicinal agents that have a broad-spectrum effect on a wide variety of people with a similar disease, homeopaths use extremely small doses of medicinal substances that are highly individualized to a person's physical and psychological syndrome of disease, not simply an assumed localized pathology.

Homeopathic medicines are so small in dose that it is appropriate to refer to them as a part of a newly defined field of nanopharmacology. To understand the nature and the degree of homeopathy's nanopharmacology, it is important to know the following characteristics of how homeopathic medicines are made.

Most homeopathic medicines are made by diluting a medicinal substance in a double-distilled water. It should be noted that physicists who study the properties of water commonly acknowledge that water has many mysterious properties. Because homeopaths use a double-distilled water, it is highly purified, enabling the medicinal substance to solely infiltrate the water. The medicinal solution is usually preserved in an 87% water/alcohol solution. Each substance is diluted, most commonly, 1 part of the original medicinal agent to 9 or 99 parts double-distilled water. The mixture is then vigorously stirred or shaken. The solution is then diluted again 1:9 or 1:99 and vigorously stirred. This

process of diluting and stirring is repeated 3, 6, 12, 30, 200, 1,000, or even 1,000,000 times.

It is inaccurate to say that homeopathic medicines are just extremely diluted; they are extremely “potentized.” Potentization refers to the specific process of sequential dilution with vigorous stirring. The theory is that each consecutive dilution in conjunction with the process of shaking/stirring infiltrates the new double-distilled water and imprints upon it the fractal form of the original substance used (fractal refers to the specific consecutively smaller pattern or form within a larger pattern).

Some highly respected basic scientific research has begun to verify the claims that homeopaths have made for 250 years, and that various extremely low concentrations of biological agents can exhibit powerful biochemical effects. Beta-endorphins are known to modulate natural killer cell activity in dilutions of 10-18. Interleukin-1, an important agent in our immune system, has been found to increase T-cell clone proliferation at 10-19. And pheromones, which are externally emitted hormones that various animals and insects are known to create, will result in hypersensitive reaction when as little as a single molecule is received (scientists have no way at present to assess the effects of less than a molecule).

It is commonly observed that organisms experience a biphasic response to various chemicals, that is, extremely small doses of a substance exhibit different and sometimes opposite effects than what they cause in high concentrations. For instance, it is widely recognized that normal medical doses of atropine which block the parasympathetic nerves, causing mucous membranes to dry up, while exceedingly small doses of atropine causes increased secretions to mucous membranes.

In fact, many medical and scientific dictionaries refer to “hormesis” or “the Arndt-Schulz law” (listed under “law”) as the observations that weak concentrations of biological agents stimulate physiological activity, medium concentrations of agents depress physiological activity, and large concentrations halt physiological activity.

Despite this body of research on hundreds of studies, none of it was devoted to investigating the ultra-molecular doses used in some homeopathic medicines. What is interesting to note is that researchers find that the hormetic effects of small doses only seems to influence biological systems when there is repeated dosages of the noxious (or medicinal) agent, while homeopathic clinicians find that the even smaller homeopathic doses have longer

lasting effects, and do not require repetition of dosages.

2. www.homoeotimes.in
3. www.integrativepractitioner.com

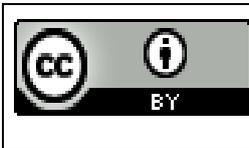
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