

Homoeopathic Drug Standardization through Biological Evaluation- Future Perspective

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ABSTRACT

There is a scarcity of chemico-analytical method of standardization of high dilution of homoeopathic drugs. Homoeopathic medicines include any drug which are prepared by the methods given in homoeopathic pharmacopoeias. Efficacy of homoeopathic medicines are obtained by clinical use, from homoeopathic authenticated literature and research.

KEYWORDS: Homoeopathy; Drug standardization; In vitro trial; In vivo trial; Ultra-high dilution; Biological evaluation

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INTRODUCTION

Homeopathic medicines include any drug which are prepared according to methods endorsed in homeopathic pharmacopoeias. Their therapeutic efficacy is established through clinical use, experience as recorded in authoritative homeopathic literature and to some extent by means of research. Homoeopathy is the most widespread form of complementary and alternative medicines^{1,2}. Homeopathic medicines are prepared by vigorous agitating/shaking in a step wise manner known as potentization. The process of potentization is supposed to make the drug suitable to be given to an organism³. Homeopathic practice includes the use of potentized drugs routinely in high dilutions^{4,5}. Various authorities have proposed certain pathways to explain the action of high dilutions⁶⁻¹⁰. Although some homoeopathic remedies contain molecules of the diluted compounds, a major and proactive claim of homoeopaths is that high dilution on the basis of Avogadro's number, are statistically very unlikely to contain molecule of diluted compound, do exhibit a biological and therapeutic effects. Various in vivo and in vitro model have been proposed to investigate this question². The scientific investigation of ultra-high dilution has been triggered by recognition of therapeutic efficacy of homoeopathy. Homoeopathic medicines are often used in extremely high dilution-including ultra-high (or

ultra molecular) dilution. It is extremely unlikely that any molecule of the starting substance persists¹¹.

Homoeopathy is a time tested two century old empirical system of healing. Homoeopathic medicines are prepared through a characteristic process known as potentization where serial dilutions are performed with succussion at each step of dilution¹². Homoeopathic pharmacists prepare medicines from various biological active substances that belongs to two main groups: organic materials (plants, animals and nosodes) and inorganic substances (synthetic chemical, metals, alloys and natural & synthetic ceramic materials)¹³. To make homoeopathic medicines they are diluted hundreds, even thousands of times to reduce their toxicity and to ensure that they are biologically active and compatible with human physiology⁹.

New evidence is emerging on the nature and properties of high dilution of homoeopathic medicines. These findings indicate that the science of homoeopathy is a form of nano medicine, with the medicines capable of initiating changes in the physiological and biochemical dynamics of the animal as a complex adaptive¹⁴.

MATERIALS & METHODS

Theoretical Study: -

1. Homoeopathic journal,
2. Internet sites & database
3. Homoeopathic textbooks and Allopathic textbooks.

RESULTS AND DISCUSSION

Homoeopathic drug standardization by ultra-high dilution have a reproducible biological activity on human and mice basophils. There is enormous amount of experiments conducted over a long period. After all the experiments that have undergone in the past, will give a glimpse about the bright future of acknowledging the standardization of Homoeopathic medicines in a broad aspect. For future references it will increase the legitimacy and genuineness of the Homoeopathic medicines. We should also try and doing this on humans for better understanding. By including the drug standardization, we can develop a new technology to the homoeopathic world or fraternity. We can also assure the quality of the drugs by initiating the process in Homoeopathic science. As the medicines work on DNA of human beings so it is important to inspect it on humans. Some part of the homoeopathic Materia Medica will also increase by doing this process and increasing the affinity of Homoeopathic medicines. It will also clear the misconception about the placebo effect of Homoeopathic dilutions.

CONCLUSION

After all, the meta-analysis it is clearly understood that biological evaluation for homoeopathic drug standardization is a key factor for turning out or changing the aspect towards the Homoeopathic science.

So, based on the studies of all the drugs standardization of homoeopathic medicines by evaluating biologically we can get more authenticity of the medicines. Also, by initiating it we can sort two agendas together that is the affinity of homoeopathic medicines and at the same time its originality.

These studies should at least be considered an encouragement for developing other protocols, organizing multi-center trials and gathering multi-disciplinary specialists leading to a new and synthetic approach to this phenomenon.

CONFLICT OF INTEREST

No any conflict of interest and no funding was provided.

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