



MECHANISM OF ACTION OF HOMOEOPATHY MEDICINE ON HUMAN BODY

Vivek Kumar*	BHMS Student, RBTS Govt Homoeopathic Medical College & Hospital, Muzaffarpur, Bihar. *Corresponding Author
Dr Sunil Prasad	Research Officer(H), Scientist-3, Clinical Research unit For Homoeopathy, Ranchi.
Dr Kumar Ravindra Singh	Professor, Dept. of Pharmacy, RBTS Govt Homoeopathic Medical College & Hospital, Muzaffarpur, Bihar.
Dr Arvind Prasad	Asst. Professor, Dept. of Pharmacy, RBTS Govt Homoeopathic Medical College & Hospital, Muzaffarpur, Bihar.
Dr Nitesh Kumar	P.G Scholar, RBTS Govt Homoeopathic Medical College & Hospital, Muzaffarpur, Bihar.

ABSTRACT To explain the mechanism of action of homoeopathic medicine on human body hypothetically at the cellular, tissue and at molecular level. Taking into the consideration of physiology and biochemistry, pathology and organon of medicine. This is undeniable fact that the homoeopathy remedy is working in every type of disease very rapidly and fruitfully if given in most scientific way (Similia Similibus Curentur).

KEYWORDS : Dynamization, foreign stimulus, potentisation, immunity, nervous system, hormone, cell biology, chemical mediator.

One of the experiment conducted by IIT Delhi on three medicine like Pulsatilla, Colchicum, Belladonna to clear the misconception related to the medicinal property of homoeopathy. Show that 15 Centesimal potency of homoeopathy medicine consist of nano-particle. (Three homoeopathic medicines very frequently used in clinical practice were found not to be „nothing□, but exhibited high nanoparticle contents. Such nanoparticles were rich in silicon and had crystalline nature. During the strong strokes of potentization, the nanoparticles might acquire the information of the diluted away starting-source encrypted on them by means of epitaxy. As various forms of silica are known to interact with proteins and cells of the immune system, these nanoparticles (along with the interfacial water on their surface) might also act as carriers of this information to the target¹. Cell is made of large number of Organelles like mitochondria, nucleus, Golgi body, peroxisome, protoplasm, etc. are the constituent of living cell. These organelles also consist of various macro & micro molecules. All the chemical constituent in definite proportion with specific chemical bonding constitute the cell at lower level and organ system at higher level. Like liver and nerve both are cell but are completely different in constituent and function. If we are crushing (trituration, succussion) the living or dead part of drug substance. The chemical on their surface release first and then the protoplasmic content if the applied frictional force is enough to break the cellular barrier. further dynamization result in breakdown of cell organelles and their content. It clearly means that we are crushing the cell and their content, Making the molecular constituent to get more & more (by subsequent steps of dynamization). Modern science has unambitiously proved that every cell has lots of different chemical mediator on the surface, cytoplasm, in or on cell organelles. This mediator possesses their own definite and unique property helping the cell to carryout control and co-ordinated activity of the body by various mean like endocrine, nervous, local tissue, etc. These chemical mediators are either carbohydrate, protein, vitamin, mineral, nucleic acid etc.

Dynamisation

Dynamization are processes by which the medicinal properties, which are latent in natural substances while in their crude state, become aroused and then become enabled to act in an almost spiritual manner in our life². In dynamization, we are making these mediators free to exhibit their medicinal property.

The latent medicinal property of crude substance is that mediator which become potentially active to show their medicinal property by succeeding step of trituration or succussion. Which make these mediators free and show their medicinal property at maximum extent. Because the chemical substance when packed in the cell activate/deactivate one-another making only few molecules to be active and exhibit their property. By every step of Potentization only a

certain substance gets fully activated and the rest will be partially active or inactive. Hence after proper selection of medicine, potency selection is equally important for the complete cure of disease. The reason is clear that each potency consists of mediator of unique property and concentration, hence it makes the change in the body physiology in unique way. As every part of the drug substance is unique in chemical constitution. possess unique effect when applied on living cell, because Our body react uniquely against any foreign chemical. as soon as they identify it as a foreign (depend on the sensitivity of the individual) by activating the Défense mechanism of the body. And adapt accordingly to expel out these foreign particles. “The dynamic influence of drugs is exerted upon the living matter of the body- upon its protoplasm. And upon this as such. It doesn't (as is sometimes supposed) affect the nervous system only, for it manifests itself to a large extent in plant, which have no nerves. Nervous protoplasm may be the primary seat of the influence of any drug, and other changes may be secondary to its disorder; but no less may the same living matter anywhere else be attacked in the first, and without such medium³. From 'a manual of pharmacodynamics' it's become clear that there is various pathway of action of homoeopathic medicine, which solely depends on the nature of dilution and nature of disease.

From various hypothesis of homoeopathic drug action like- “Neuro-endocrine Model, Global Molecular Network (GMN) Model, Gene Regulatory Model⁴” it is concluded that- The chemical mediator comes in contact with local cell & nerve cell stimulate the cell mechanism. In reverse, cell adapt themselves to counteract the foreign stimulus, by altering the protein synthesis as per current needs. like external application stimulate epithelial cell and nerve ending. Oral Ingestion stimulate the mucosal membrane & nerve ending, this gives strong signal to the CNS. CNS command to the rest of the body parts by altering the endocrine and exocrine activity as per the foreign stimulus. The foreign stimulus of highly potentized homoeopathy medicine when comes in contact with body cell. body Act according to this stimulus and activate the Défense mechanism of the body more quickly and preciously. Because foreign stimulus of homoeopathic medicine interferes with various physiological activity, bring change in the internal physiology of the body more rapidly and preciously, result in the cure. Most probably this stimulus is of dynamic origin. This is the reason for proving of medicine on healthy body and cure of similar symptom in disease condition. (Similia Similibus curantor). Like a man is suffering from viral infection, as soon as body get infected by virus. Body starts their work against this pathogen. Neutrophil/macrophage get activated and start their phagocytic activity, plasma cell starts to produce antibody, local cell starts inflammatory reaction. But as the infection is new to the body, it will take some time for the production of sufficient antibody and complementary protein. So it will take time to get fully activated. So, the recovery in natural way will be tedious and

painful. After doing totality, a homoeopathic physician prescribes a homoeopathic dilution. This dilution consists of foreign stimulus. This stimulus activates the defense mechanism of body very quickly. Our immune system awakes against this foreign stimulant more quickly and strongly and start producing antibody and activate complementary system and so on, results in rapid and gentle cure. If the same medicine is given in healthy body. The readymade receptor/antigen/chemical mediator are giving in the body as a diluted homoeopathy remedy will do the same process as they have done in disease. In diseased body the activated immune system used up in handling with the pathogen. But in healthy ones as there is no pathogen against which activated immune system could respond. The antibody and complementary protein which get release in response of medicine circulate in the body fluid and reach every part of the body, before decomposition, this antibody attack the weak cell of the body and causes harm to them, identifying them as a foreign cell (the cell is weak and is not able to protect itself). Some cell will die and other get damage releasing toxin in the circulation. Some cell will get weakly activated and signal the surrounding cell about the damage, result in activation of inflammatory process. All these released toxins are responsible for the appearance of sign and symptom in the healthy body due to self-attack of activated immune response to the weak part of the body. As this activation is done due to medicinal substance, their intensity will go down gradually and finally get disappear by decrease of medicinal effect. result in the recovery of the health.

As per law-SIMILIA SIMILIBUS CURENTUR.

As per the above explanation, large and frequent repetition of homoeopathy medicine is not suggested, as it will result in release of more toxin and will cause more damage to the body, there may be chance of more vital and permanent damage to the body parts. Minimum dose means as less as possible, minimum dose contains less amount of chemical mediator. Result in slightest activation of body mechanism. Result in less or no damage to the body. Large dose damage more because we do not know the exact quantity of medicine require to cure the disease. Hence, we used to keep the amount as small as possible so that body mechanism gets activated only to cure the disease. Another important point is that high potency should not be repeated too frequently because high potency contains more activated foreign stimulus in comparison to low potency, hence high potency affects the body more deeply even at the DNA/RNA level, if given in sufficient amount and sufficient time period. E.g.-different generation of vaccine.

Lastly, homoeopathy medicine covers wide range of symptom (totality of symptom) because we are preparing medicine not from any chemical compound but from the natural drug substance as mention in homoeopathic pharmacopoeia. Hence, medicine contains collection of compounds in it. So potentized medicine not only contains any particular chemical mediator but contains collection of mediator and so variety of foreign stimulus. These group of mediator result in the group of symptoms produced during drug proving.

In this edition (6th) Hahnemann invariably uses the term, Vital Principle instead of vital force, even speaking in one place of "the vital force of the Vital Principle", thus making it clear that he holds firmly to the substantialistic view of life⁵. It clearly means that our legend Dr Hahnemann sir also realise that vital force is not good term to explain about health and disease, hence he made great changes after 5th edition to remove controversy of that by replacing the term 'vital force' with 'vital principle'.

DISCUSSION

Homoeopathy is a pseudoscientific system of alternative medicine. This is what Wikipedia think about homoeopathy. Not only Wikipedia, even the modern science is not accepting homoeopathy due to the lack of scientific proof to the nature of cure by homoeopathy medicine. In homoeopathy we are taking medicine and vehicle in the ratio of either 1:9 or 1:99 to prepare different potency. If someone claims that there is no medicinal quantity in potency of homoeopathic medicine, then where does that starting substance has gone? If someone claims that homoeopathy cures by psychological means, then how cures take place in the neonatal and in animal?

The answer to all these questions is simple. Dilution of homoeopathy consist of minute particle of starting substance which possess medicinal property. This minute particle when comes in contact with living body, they get absorbed by the local cell or immune cell more quickly and thus activate the body defense mechanism (because this active substance) quickly results in rapid cures. Even the various

research conducted by reputed institution indicates toward the authenticity of homoeopathy. Still, lots of challenges are present in homoeopathy about the mechanism of their action. Here are needs of very advance technology and continuous hard team work from various departmental expert to reach out at any conclusion. Another thing is any good discovery first needs the origin of idea. Finally, homoeopathy is not a pseudoscience but is most scientific method of cures. Only need to explore and do more and more research in homoeopathy.

REFERENCES

- [1] RP Upadhyay, C Nayak, Homoeopathy emerging as nanomedicine, Int J High Dilution Res 2011; 10(37): 308
- [2] Dr PP Mandal, Dr B Mandal. A TEXTBOOK OF HOMOEOPATHIC PHARMACY. 3rd Edition. Kolkata: New Central Book Agency (P) Ltd; 2012; 244
- [3] RICHARD HUGHES. A MANUAL OF PHARMACODYNAMICS. 6TH EDITION. New Delhi: B. Jain Publisher (P) Ltd; Reprint Edition: 1994. 60
- [4] Central Council for Research in Homoeopathy, PHARMACOLOGICAL ACTIONS OF HOMOEOPATHIC DRUGS. New Delhi: CCRH; Reprint Edition 2016. 70,70,71
- [5] STUART CLOSE, THE GENIUS OF HOMOEOPATHY. 22nd impression. NOIDA. UP. B. JAIN PUBLISHERS (P) LTD 2020; 88