

THE SCIENCE OF LIFE: AN INTEGRATED APPROACH

Panda Mrutyunjay*, Mohanta Nibedita

Department of Shalya (Surgery), Gopabandhu Ayurveda Mahavidyalaya, Puri, Odisha – 752002 India

Received on: 12/10/11 Revised on: 23/11/11 Accepted on: 09/12/11

*Corresponding author

Dr. Mrutyunjay Panda, Professor and Head, Department of Shalya (Surgery), Gopabandhu Ayurveda Mahavidyalaya, Puri, Odisha – 752002

Email: prof.mrutyunjaya@gmail.com

ABSTRACT

Ayurveda consists of natural scientific methodology of medication and provides the way to mankind for obtaining health as a whole. In Ayurveda, the 'ayu' refers to the span of life, which in conjugation proceeds in a combined state of body (sharira), senses (indriya), psyche (mana) and soul (atma). The hypothesis that emerges in Ayurveda on Sankhya and Patanjali philosophy are analogous to the Quantum theory and Einstein's theory of relativity which provide verifiable prediction of behavior of energy and matter. The most fundamental of these theories is that the observer, the process of observation and observed are inter – dependent and inseparable. Such law of physics in Ayurveda is described in philosophical statements instead of mathematical configuration.

KEY WORDS – Ayurveda, science of life, Sankhya and Patanjali philosophy, Quantum theory, Einstein's theory.

INTRODUCTION

The criteria set in health care model are found in millennia old Indian system of medicine called Ayurveda. The hypothesis that emerges in Ayurveda on Sankhya and Patanjali philosophy which are analogous to Quantum theory and Einstein's theory of relativity which provide verifiable prediction of behavior of energy and matter. The most fundamental of these theories is that the observer, the process of observation and observed are inter – dependent and inseparable. In other words observations can only be expressed as co-relation instead of simple cause and effect. Simplifying such hypothesis "Charak school of thoughts" critically explain the most important point of biological and biochemical process of human life in a subjective way. It is worth to mention here that every process/work/ activity is initiated by the behavior of matter and that is enumerated by the law of physics. Such law of physics in Ayurveda is described in philosophical statements instead of mathematical configuration. For better understanding, the hypothesis of Charak are co-related with some established theories of physics which are quoted –

"Bhuteischaturbhi sahita sa sukhmei manayabo dehamupeiti dehat, Karmatmakatwanatutasya Drusyam Divyam Vinadarsanam Nasti rupam"

(Cha. SA 32)

"Sarira Jivayor Joga Jivanam Tena Avachinakala Nama Ayuh"

The science of life: From Ayurveda to the law of Quantum physics

The Charak School of thoughts explains the interaction/ behavior of basic biological components which actively participate during fertilization in the mother's womb. The explanation also specify that in fitness of things four basic elements are charged by super functional wave of consciousness (non local) and initiate moleculobiological activation by transferring signals of impulses from parent cells to new one. Such participation in the process to start life is mediated by the physical and functional behavior which is inherently stored in the components of parent cells. Exercises on the correlation of such non local reaction of every effect have been made to correlate the fact in the verifiable outcome of quantum physics. In quantum physics, the non local interaction between particles (the so called Einstien - Podolsky Paradox) which cannot be connected by signals even moving velocity of light have been predicted and verified¹.

The quantum theory has been verified to an extremely high accuracy and so far no contradiction has been found from the prediction. The latest achievement is the demonstration of the Bose-Einstine

condensate (predicted over 85 years ago) representing several thousand atoms in a state of maximum coherence with one wave function. The achievement of a new state of matter² was declared by science as the 1995 molecules of the year³. No such state is possible in the Newtonian model. Quantum effects on a large scale have been manifested in the phenomena of super fluidity, super conductivity at temperature much higher than absolute zero.

In general, quantum effects are observed when there is maximum atomic and/or molecular coherence. These states are observed in conditions of the least molecular, atomic or particle agitation. The physicist theory of Niel Bhor suggests that matter and mind are complementary in the since that they are two contradictory side of the same reality. The original Bhorian complementary was physical. The union of opposites as wave and particle in the nature of an elementary piece of matter for instance are electron or a proton. The "inherent ability" of sub-atomic particles to have opposite properties as wave and particle, perhaps represent the consciousness component of matter⁴.

In Ayurveda, priority has been given to understand the reality of such consciousness as an action potential of living organism in the process of life. Human life in the womb just after fusion of parent cells remain in an indefinite state following sequence of events for a fraction of second. The self maintaining forces of consciousness occupy the most crucial part and activate the process with new configuration for specific identification of new life. Such activation by absolute super consciousness is probably "Atmanupravesa". Biochemically it is established that the synthesis of protein molecule are the first state of biological events carries importance, which is initiated by activation. Means, the previously present m-RNA and t-RNA are supposed to be activated. The activated m-RNA moves to bring information from DNA and activated t-RNA moves to bring amino acids from periphery. According to the information of M-RNA the amino-acids are arranged with exact blue print at the ribosomal site of protein bio- synthesis to complete the new molecule of protein chain, thus life proceeds⁵.

CONCLUSION

With explanation to the above discourse it is stated that the subjective hypothesis of Charak based on correlation is highly accurate and seems to be analogous with the law of quantum physics.

REFERENCES

1. Aspect A, Grangier P, Roger R, Experimental realization of Einstein-Podolsky-Rosen-Bohr Gedanken experiment. A new violation of Bell's equalities. Physical review letters 1982;49:91
2. Anderson MH, Ensher JR, Mathews MR, Wieman CE, Cornell EA- Observation of Bose-Einstein condensation in a dilute atomic vapour 1995;269:198-201
3. Bloom FE, Molecule of the year 1995 signs – 270:1901-1995.
4. Wall C.E R.K, Benson H, the physiology of meditation scientific American 226-84-90-1972.
5. Samugam A., Fundamental of biochemistry for medical students, 4th edition, July 1980

Table 1: Classical attributes of Panchamahabhuta and their hypothetical interference
According to Sankhya philosophy there are five basic elements called Mahabhuta or Bhuta

Keywords	Note
Akasa	Space as a whole which allow others to react and qualified by sound wave.
Vayu	Qualified by movement, disintegration and carrying capacity.
Tejas	Qualified by transformation, heat & illumination.
Apa	Qualified by bonding.
Kshit	Qualified by mass with state of existence.
	Bhuteirschaturbhi – Four Mahabhuta(Excluding Akasa) Sukshma – Micro Mana – State of mind Deha-mupeiti Dehat – Transferring one to another Karmatmakatwat – inherent quality with acquired influence. Divyam – Consciousness Nastirupam – Impossible to access
	Sarira – transformed by change Jiva – Superconsciousness Yoga – Combination Jivana – Process of life Avachinnakala – Continuous period Ayu – Span of life