

PRELIMINARY DATA ON SOME DEVELOPMENT ON BIOPHYSICS AND MEDICINE

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An increasing number of data indicates that water in the liquid state is endowed with very peculiar properties and undergoes structures which may retain in a stable manner some conformation's information. Physicists (such as Preparata, Del Giudice, Trukhan, Zhadin) have developed several theories about these structures, which deserve experimental checking and demonstrations. Anyway in the last century, researchers like Giorgio Piccardi, John Eccles, Jacques Benveniste have just arrived to similar conclusions based on bio-quantum-chemistry experiments. In 1991 Benveniste written "If the active molecules are absent (or best present in such low number that they cannot induce a chemical response), we have to admit that the specific effect which we detect has non-molecular origin. **At the present time, the physical basis of this phenomenon are still unknown.**"

Today something is going to be much more clear just thanking to the work made by Luc Montagnier and his fellows on the experimental side and to the works of Allan Widom et coll. from theoretical side. Continuing Benveniste research on bacteria signals outcoming from blood, Montagnier discovered how nano-fragment of DNA of bacteria and virus emit specific electromagnetic signals used for diagnostic some chronic disease as Alzheimer, Rheumatoid Arthritis, AIDS etc. This discovery seems to explain some strange observations obtained by bio resonance outputs, its diagnostic activities that can be measured also in absence of traditional detection of virus or bacteria. Further results are obtained on the therapeutic effect of the so-call frequency inversion that seems to be able to cure some viral and bacterial diseases plus some chronically diseases such as SLA, RA, etc according to what it is reported in some medical experiences of bioresonance therapy in the last 40 years (Umberto Grieco *L'uomo bioelettronico* Guna Edit. 2003)

While signals among blood cells could be an clear and sound instrumental data (for example, herpes virus is a well know part of Human DNA in people with herpes infection) the etiopathogenetic mechanism appears to be less clear even if very low EM fields inside cell are able to produce disorder and illness. A possible model could be represented by SEP (Skin Electric Parameters) that measures chinese meridian see Ohm resistance that are treated as variable resistance circuits. On these circuits, extern and intern to body EM signals, or quantum field, could be able to induce relevant modifications of electric resistance as observed in some researchs on Meteoropathies in Spa Medicine, in pharmacoelectrodynamics ecc. It seems indeed that the Ohm Law, EM signals and quantum field could have a key role in general fisiopathology. In synthesis we observed that:

- *In subjects with meteoropathies and various pathologies, measures highlighted and show that electrical resistance increased in physical electric circuits in a range of about 43 scale unites of SEP corresponding to 130,000 Ω .*
- After application and management of a coherent therapy, we saw a resistance fall in medium at 39,000 Ω (70 us), with an improvement of bioelectric performance due to an increase of physical electric currents, in accordance with Ohm's law, $I = V/R$
- Power in the biological system varies with $W = V \times I$, with functional correlations (performance status, immunological status, muscle power, pain, inflammation, allergy, dyspnea, etc.)

So in conclusion it seems possible a large integration between Occidental and Oriental Medicine through electronic (from Voll device to new generation of bio electronic device) that could help in praecox diagnostic of disorder and drive the therapy reducing the side effects of treatments. To join these results a large theoretical and experimental researches (basic and clinical) seems necessary to validate (or not) this intriguing chance for medical practice and people health.

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