

Water as Energoinformative Connection Channel Between an Unborn Child, Its Mother and Environment

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Abstract: The authors consider water as energoinformative medium performing memory functions and participating in the information transfer between an unborn child, its mother and environment. This conclusion is made due to the electron nature of structural and functional processes taking place in water molecules, which consist the considerable part of tissues and organism cells. The investigation of radio frequency radiation of biotissues and environment allows to suppose that the exchange of decoded information is possible at the electromagnetic field level over mm range with preferable participant of the oxygen water atoms.

Zusammenfassung: *Wasser als energetisch-informativer Verbindungskanal zwischen einem ungeborenen Kind, seiner Mutter und der Umgebung.* Die Autoren betrachten das Wasser als energetisch-informatives Medium, das im Austausch zwischen dem ungeborenen Kind, seiner Mutter und der Umgebung Gedächtnisfunktionen und Übertragungsfunktionen hat. Diese Schlußfolgerung gründet sich auf die elektrische Natur der strukturellen und funktionalen Prozesse, wie sie sich in Wassermolekülen abspielen, die einen beträchtlichen Teil der Gewebe und Zellen bilden. Die Erforschung der Radiowellenausstrahlung von biologischen Geweben und ihrer Umgebung erlaubt die Annahme, daß Austausch von Informationen über das elektromagnetische Feld im Millimeterbereich möglich ist, wobei Wasseratome eine besondere Rolle spielen.

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The revealing of different ways and methods of information transfer from the mother to her unborn child (UC) and backwards, the types of the information perception, its keeping in memory and reproduction in future are the key questions for perinatal psychology as a science. Achievements of biophysics in the investigation of energoinformative properties of biological objects as well as water-disperse systems allowed to raise the question of the water role in these processes.

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Water attracts our attention not accidentally. A very thin biosphere layer spreading from ocean cavities depths to mountain peaks cover 20 km or 0,3% of the Earth radius. The fact that three fourth of the Earth surface is covered with water allows to call it “Water planet” (Petrosyan et al., 2000a). Philosophers state that the life on our planet appeared in water. It may be due to this very fact that living organisms (from an ameba to a human being) contain about 65–98% of water. The mass of an unborn child at the age of 6 weeks contains 97% of water, at the age of 16 weeks that of 92%, newborns contain up to 72% and adults 60–65%. Different organs and tissues contain 10% (fat), 22% (bones), 79% (lungs and heart) and 83% (blood and kidneys) of water. More than 90% of the whole cell mass take water molecules (Khmelevsky et al., 1984).

There is no doubt that water is the life basis, however it was considered as the fluid from hydrogen bonded molecules and immediately disintegrated associates. The latest investigations have greatly changed our notions.

The scientists of the Moscow State University managed to decode the water structure by the methods of proton magnetic resonance, refractometry and phase-contrast microscopy in the 70–80s. Their findings were supplemented with methods of rentgenostructural analysis and thermodynamic calculations used by the scientists of the Saratov Institute of Radio Engineering and Electronics. Their investigations revealed water in fluid condition to have a complex quasicrystalline microstructure. Balanced mixture of hexagonal and triatomic molecules associated through mobile weak hydrogen bonds into delicate space formation forms molecular water basis. Hexagonal fragments (rings) may unite owing to the conditions into labile formations, i.e. clusters or clatrates. Clusters may include up to 912 water molecules which are unbroken elements labilly connected together through distant complement coulomb (electrostatic) interaction determining phase informative water condition. Clusters size and their concentrations depend on the initial structural condition of water matrix. The size of newly appearing clusters in water medium without any admixtures is 0,5–1 mkm. It is defined due natural laws of structural elements new formations which limit cells increasing at the expense of neutral charge of sides. It is these sides that become informative cells surface (Zenin, 1999).

Clusters structures are in oscillate condition and form oscillate system. Proper structural molecules oscillation over superhigh frequency range (SHF-range) are considered to become the source of radio wave regenerating by water and biological media (Petrosyan et al., 2000a). The authors found the wave length (λ) of proper electromagnetic (EM) field of water medium radiation stimulated by magnetic field with the help of the standing waves method. It appeared to be 2 mm which corresponds to the frequency (ν) of 25 GHz. The discovered magnetic moment of the water molecular fragments equal to Bohr magneton $M = \mu_B$ proves the **electronic** nature of the interaction between water and magnetic field.

EM mm range waves (or superhigh frequency) of low thresh power level which constantly exist in nature are considered to support (regulate) profound basis of activity process at the molecular field level. High biological mm waves activity concerning living organisms at superlow nonthermal level power level has been established. This allows to discover new quality EM waves and give idea for hypote-

sis about informative-resonance interaction MM waves with biomedica (Devyatkov et al., 1991; Betsky et al., 1996).

Oscillations in a living organism form proper weak (low intensive) EM wave field by autosynchronization (Brill et al., 2000). The authors make a conclusion that water matrix has both space and time organization and may as well play the role of synchronizer and time standard of biosystem. This, in turn, allows to discuss bioinformative water system properties. Any changes introduced into water medium are perceived by clusters turning them into informative cells. Such water condition defined by clusters informative contents is considered to be phase informative condition. It is a new condition quality greatly differentiated from well-known 4 phase substance conditions. It allows to state full determination of interacting structural elements as well as discovering cybernetic properties or “biocomputer’s” qualities in water medium (Zenin, 1999).

Water and bio tissues revealed radio-frequency radiation generation during experimental influence of low intensive laser radiation with the wave length of 0,63 mkm on them. It allows to assume that oxygen structurally bonded in water molecules appears to be the primary acceptor of laser radiation quanta as well as the source of radio waves generation in water and biological media (Petrosyan et al., 2000a). It is oxygen that resonates with the wave length of 0,63 mkm according its atomic weight due to Thomson formula.

Homeopathy presents some additional arguments in favor of water energoinformative function. Fredrick Ganeman (1755–1843) found out therapeutical properties of medicines not to decrease in large dissolving but even increase. He explained it by some “vital force” organizing and spiritualizing all material forms, including medicines which “became more free with diluting”. Smiling at these notions we must, however, state that the latest investigations didn’t shake Ganeman’s basic conceptions. Vice versa, investigations (Simeonova, 1993) demonstrated that homeopathic medicines with their power and informative components of action in fluid medium where they are diluted and then dissolved form energetic informative field capable of transfer from one carrier to another without therapeutical properties losses. The latter manifest themselves in practical absence of medicines. As more often water is such fluid medium it may be logically accepted that water as information carrier may “remember” it, carry and transfer to another object. The method of information transfer to and from the carrier is likely to be connected with resonance interaction. This statement is based on transmission radio spectrometric investigations revealed resonance wave water condition. The essence of the experiment was in water radiation with SHF-generator over mm range and radio spectrometer reply reception on microwave range or medium high frequency (MHF-range). At the same time resonance reply on the water structural molecular level was fixed, i. e. abnormal radio physical properties of water and bio tissues were revealed in magnetic field (Petrosyan et al., 2000b). The same technique was used on biological objects. Radio spectrometric characteristics were received during radiation of *E. coli* microorganism colonies (strain M-17) and separately of staphylococcus (strain 209-P) in the form of specific spectrum configuration. This proved the presence of proper EM radiation in the mentioned biological objects (Shub et al., 2000).

Biological activity of “magnetized” water is known (Petrosyan et al., 2000b). It doesn’t mean that water gains magnetic properties. Integral magnetic water moment keeps to be zero due to anti parallel moments orientation along the field. Magnetic action displays primary molecular structures orientation and proper SHF radio waves amplification in water medium or bio tissues.

Electrochemically activated water dissociates *E. coli* cells, cells shift of S-form into R-form being revealed already in the first generation. It also exerts influence on different human organism cells, immunomodulating properties of such water in connection with T- and B-lymphocytes being found out in vitro and in vivo (Smirnov et al., 1990).

Any somatic macroorganism’s cell is known to be electrically active. The reviewed findings allow to state proper cell radio-frequency radiation. However, it should be mentioned that a cell locates in controlled field of aggregate cells, its vital functions being managed both by its own genetic program and environmental cells cooperation as well as by humoral and other regulatory mechanisms. If we admit that any cell generates its own EM energy over mm range, we shall also assume an organism image as multi-cellular nanoradiostation. The unit of energy information quantum is 10^{-15} – 10^{-16} bm/sm² which we arbitrarily called “celltone” (from “cell” and “tone” as any frequency of EM energy, radiated by the cell).

R. Gerber (1988) suggested a theoretical model according to which cellular basis of a physical body pierced by the organizing bio energetic field, i.e. ether body. He considered a substance as a specialized energetic field, organized by electrons. They in turn appear to be not only particles and not only energy but also possess properties of a particle and a wave. His ideas are based on the double character of subatomic particles owing to which substance and energy are interconvertible, the feature being discovered by A. Einstein in the beginning of 20th century. It allows to realize a unique and at the same time routine quality of a living cell to give off EM energy.

It is reasonable to assume that sexual cells are also capable to generate EM energy. Their capability forms the process of “**electromagnetic taxis**” which provides spermatozoa with information purposefully (and it seems quite wisely) moving towards ova. During their contact bio resonance effect may take place, due to which their EM activity tends to zero. This very moment is starting for switching on and/or increasing of enzyme system activity providing spermatozoa head penetration through ovum membrane.

Zygote becomes a new resonance mass generating at its own frequency EM energy (at several celltones). The EM situation is changed due to zygote appearance: two energoinformative subsystems appear, being in synergy and united by the **same** frequency range. This provides conditions for free and immediate information transfer from appropriate cells, tissues, organs of the mother to her unborn child and backwards. We may state that this process takes place at EM field level over mm range.

Multi-cellular oscillator generator creates space interference EM field of celltone quantity. Interferential interactions change much more greatly due to two oscillators (the mother and her unborn child) appearance as UC oscillation possesses increasing direction (lotion). Changes in amplitude phase of UC oscillation characteristics form resonance phenomena of modulations amplitude maximum

and minimum (beats, biorhythms, auto oscillations) evidently more deep and thus influencing both organisms. Usually it proceeds according to the genic program of replicate process. Double-oscillated EM field system is an open system. External field of celltone quantity may influence this developing system holographic condition during prenatal period. The fields of relatives and environment (relict radiation, the Sun field, electromagnetic background of the Earth, etc.) as well as different mother's levels (biological, energetic, emotional, etc. having various frequencies within the range of this spectrum) may provide such an external field. As you remember, an embryo mass possesses about 97–92% of water, that of a newborn is up to 72%. If we assume that water has an energoinformative function, the information received by an unborn at the early stages of its development is more celltone-saturated.

Generated by cells proper EM energy may form the informative field around itself and far from its borders as well as it takes part in information transfer.

We should pay special attention to its role for memory mechanisms. Primary molecular orientation has being kept in the “magnetized” water for months. So we may state that water possesses prolonged and steady “magnetic”, i.e. molecular structural memory (Petrosyan et al., 2000b). Due to the investigations the activated water memory is connected with restructuring of water molecules and their organizing into clusters. The latter are thought to be disintegrated by contiguity of such water with organism cells. It is followed by the releasing of some celltone energy quantity which resonate and produce biological effect, coded in them. Therefore, water may be an “accumulator” of informative EM fields and their communicator (retranslator).

We realize that EM oscillations source from the mother's side is her organism itself, organs, tissues, and her ether body, her emotions and thoughts. They may increase impulses frequency and/or duration and thus intensify EM field influence on an unborn child. Emotions of joy and grief may produce different action effect on water molecules inside cells. We would like to suggest that biologically active substances (BAS), accompanying appropriate emotions, contribute specifically to water structuring, i.e. water with BAS molecules. This idea is confirmed by experimental investigations. Resonance frequency similarity between bidistilled water and human tissues has been observed. Water matrix structure changes under different factors influence (such as narcotic substance Nembutal or coffeinum stimulator). The change is manifested through resonance reply of biomedium (Brill et al., 2000). Pathogenic substances lead to the changes in bio structures, disturbances in cellular metabolism (cellular chemical contents) and development of a pathological process in tissues (inflammation, ischemia, dystrophy, tumors), changing water matrix structure and resonance reply character.

Therefore, mother's organism as multi-cellular radio generator is an EM fields source, which becomes an informative field for a child. At the same time an organism of an unborn child is capable to transfer information to the mother. Usually it takes place at an unconscious level in the same manner as inner organs function. Especially sensitive women are able to pick up this information but not always can interpret it.

The Nature is wise in forming several duplicate mechanisms providing conservation of species, intellect, and civilization. That's why, stating the role of water as

energoinformative channel between the mother and her child we however don't doubt in presence of some other possibilities.

Conclusion

The human organism, including a considerable water mass, is a unique EM wave generator, working on mm range. EM field exists throughout the whole human life, pierces both human organs and tissues and the organism itself as well as surrounds it outside. EM field of a pregnant woman appears to be an environment for UC. It changes in accordance with external and internal media conditions and is one of adaptation mechanisms.

Starting from the very conception moment, during the whole prenatal period, a child gains information from its mother and environment, forming its own information system and transferring the information to the mother and environment at the same frequency spectrum in the form of EM waves.

Water medium provides the information perception, its transfer, transmission to another object and, at last, its memorizing for operative or long-term purposes.

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