

# THE MAN AS A QUANTUM-WAVE PSYCHOSOMATIC SYSTEM

**Grigori I. Brekhman**

The Interdisciplinary Clinical Center, University of Haifa, Israel.  
State Medical Academy, Ivanovo, Russia  
[grigorib@013.net](mailto:grigorib@013.net)

Presented on *Symposium of Quantum-Informational Medicine QIM 2011: Acupuncture-Based & Consciousness-Based Holistic Approaches & Techniques, Belgrade, 23-25 September 2011*

Published in *Medical Data: Medical review*. March 2012. 4(1):105-109.(Serbia)

**Abstract:** The author considers the Man from a position of the theory of **wave-particle** duality of a matter. It has opened existence in a nature of ways of interaction and information interchange between genes, cells, persons, about which we did not suspect or knew a little. The concept of duality has allowed understanding the riches of the information contained in the man that has enabled to consider him as a **psychosomatic system** and to explain some features of thinking and behaviour of the people, sources of their talents and problems, and also feature of functioning in a society and relations with each other. In the certain measure the concept of duality gives an explanation of reasons of diseases, and gives interpretation to methods of treatment, which (despite of the efficiency) ascribe to alternative and do not admit by official medicine. Author describes the uterine myoma as a psychosomatic process, manifesting itself in ischemic uterus disease. He substantiated and used the holistic approach and nonstandard method of psychoelectroregulation in these patients which gave the long-term results.

**Key words:** theory of duality, genes, wave genetics, memory of water, cellular memory, biofield, man as a psychosomatic system, uterine myoma, psychosomatic disease, psychoelectroregulation

**Introduction.** The term "the psychosomatic disease" assumes that in pathological process are involved the psyche, and soma. But it means also, that we know also about existence separately both the psyche and mental illnesses. Such classification was quite true for the certain stage of science development. On a modern historical space of time the Man is considered as complete psychosomatic system (1). Certainly, one can has a temptation to determine it by traditional representations: as the aggregate consisting of the brain (the biological predicate of psyche), and organism (the biological predicate of soma). However, from a position of modern knowledge and philosophical representations it is not quite correct. Why?

Our representations about structure of the world began to vary with occurrence of the theory of corpuscle-wave duality of a matter.

In the beginning of 20 century Albert Einstein by his early researches (2,3) has shown, that light can be interpret as a flow of energy quanta (i.e. the corpuscles), which in many physical effects also show properties of electromagnetic (EM) waves. Niels Bohr with the colleagues has tried to rescue the Maxwell's wave theory of light, but should surrender and confirm Einstein's correctness.

In subsequent the French physicist Louis de Broglie, developing these ideas, has put forward a hypothesis about universality of corpuscle-wave duality of a matter (4). By de Broglie, the electrons and any other particles of a matter (not only photons) have properties both corpuscular and wave

The Russian geneticists Gurvich (5), Beklemishev(6) on the basis of new paradigm have put forward a hypothesis about the wave condition of genes. The Russian geneticist of a Chinese origin Dzang Kangeng (7) showed it experimentally by his device for transferring the wave gene information, and he received hybrids of plants and the hen-ducks. These data were confirmed by research of the Russian geneticist of Peter Gariaev (8,9,10), which together with the colleagues successfully continues to develop wave genetics.

A little bit earlier Vlail Kaznacheev (not being fixed exclusively on genes) has published a line of papers (11, 12), in which has shown, that the carrier of the information in biological systems can be quantum of EM field, or bio-photons. He believed that the EM channel of information communication in the alive substance carries universal character and is widely used care of the information between cells.

**Cellular memory.** Each cell is a multi-component organism, which includes a membrane with set of receptors, cytoplasm with set of organelles and nucleus. The nucleus contains a complete set of genes containing the information on morphological structure and **function** of a cell, organ, and whole organism.

The researchers by LSD-25, others psychedelic drugs, and holotropic breathwork have shown, that the man can comprise in his memory the events, which experienced previous generations, the steady psychological features of ancestors and certain modes' of their behaviour(13,14,15, other). The researchers believe that the intelligence of the man, his mentality are connected to a heredity(16, 17,1,oth.). That is, the genes are the carrier both morphological-functional and mental features of the man.

The researchers working in area of prenatal and perinatal psychology have found many data on inclusion in memory of prenatal child (PCh) the events experienced most emotionally together with the mother during pregnancy and labor, and even her thoughts, emotions, and feelings. They are reflected (sometimes as in mirror) in thinking and behaviour of the born child. The prenatal stress can cause mental disorders in a wide range: from unusual habits and psychological discomfort to the heavy mental diseases such as schizophrenia. Besides mental disorders the child who has experienced prebirth stress, as a rule, receives somatic disorders accompanying him during life (18,19, 20,21,22,23,24,25,26,27). This pre- and perinatal information can be transferred to the following generation. It is confirmed experimentally (28,29) and most likely is connected with regulating processes investigated by epigenetics.

It is possible to assume, that a genome contains both somatic, and mental information and is able to include new data of such quality. From this view on the genes each cell of organism is the carrier of quasi-consciousness, and memory, and it is a psychosomatic structure initially.

However, this information is incomplete, because we nothing have said about water. Each cell of the body includes more than 90% of water. The various organs contain various quantity of water, for example, the brain contains up to 90% of water, bones - 22%, etc. The content of water in organism of the man depends on age. So, embryo in the age of 6 weeks contains 97% of water, the prenatal child per 16 weeks - up to 92%, newborn - near 72%, adults - near 60-65% of water (30).

I mention about water, as the numerous research of last years have shown, that water has information properties: it is the original generator EM waves of MM range, can perceive, carry and transfer the wave information, carries out a bio-informative role, has high biological activity, can perceive of psychic energy, and the thought information, executes a role of the synchroniser, and standard of time in bio-systems (31, 32,33,34,35,36).

It is confirmed in fact by long-term homeopathic practice. It is important that both structure and properties of water and the water solutions can changed under influence of the mental information (37,38,34). It gave us the opportunity to advance the hypothesis that owing to the fact of the bio-information properties of water it is an environment for information interchange between the mother and her unborn child (39).

At last, each cell of organism contains the molecules of proteins, which also are carriers of the information (40). P. Gariaev (8,9) experimentally has proved, that cells, chromosomes, DNA, the proteins pass the hereditary information in space of organism the information by the physical fields - electromagnetic and acoustic waves.

It is possible to assume, that such cellular structures as DNA, the molecules of water and proteins can generate, receive, save and pass both corpuscular, and wave information.

The large support to idea of information properties of water was rendered by research of the Nobel winner Montagnier and his team(41). They have shown that water is capable to include the information from DNA. In our opinion, it can mean more: between DNA and molecules of water, and it is possible also of proteins, at a level of the cells there is a constant information interchange, and therefore, the cell represents the information unity.

So, it is possible to believe, that every somatic cell of organism contains DNA, molecule of water and protein, and due to them, includes the coded information both somatic, and mental.

If to take into account researches Gurvich, Kaznacheev, Gariaev and other scientists, the cells are the carriers of the information both as a particle, and as a wave and therefore it is possible to speak about the cells as the psychosomatic structures.<sup>1</sup>

From a position considered paradigm of matter duality the billions cells of multi-cellular organism are in instant wave contact among themselves. As a result of such close interaction each cell of organism in the same time receives the information on a condition and needs of all other cells. At the same time cells, their subcellular elements, genes are under influence of the external factors and can accumulate the physical and mental information, save it and pass to each other.

The amplitudes of waves of separate molecules can be imposed among themselves, forming the general coherent EM wave. In a similar way, probably, there are imposing waves of subcellular elements and cells of separate organs and forming of resonant frequency, specific to the given organ. So, the frequency of electrical activity of heart is within the limits of one Hz, brain - within the limits of 5-20 Hz, etc.

It is possible to assume, that the imposing of waves of cells, tissues, organs, at the end, forms a man's **biofield** with resonant frequency, specific for the given person. The traditional view on the biofield as an around environment of the man should be changed. A wave informative cloud as a product of functioning of alive cells wraps and penetrates of the man. It includes the knowledge at a quantum level about his physical and mental components and relates to both the consciousness and unconsciousness of the man.

I think we should support the idea that the memory is not an exclusive prerogative of a brain. It is function of whole organism, whole man. The brain in these conditions carries out the major function of acceptor, and converter of the coded information in clear for us images, symbols, pictures, words. Sir Charles Sherrington, Sir Jon Eccles, Wilder Penfield, Stanislav Grof, David Chamberlain advanced these ideas at 20<sup>th</sup> century.

To the confirming this idea I would like to remind the phenomenon of change of some character traits and preferences at the people with the replaced organs (42). Secondly. Karl Pribram has found out, that many people which experienced of traumas of a head brain with partial (and even significant) loss of its part, have not lost memory. He has assumed that the centers of memory are in all brain, in subsequent - he has offered a holographic hypothesis of brain functioning (43).

Speaking about this function of a brain, I **do not exclude** participation its neurons in perception of the information, accumulation and use of this memory, because the nervous cells also contain genes, molecules of water and protein.

Of course, the function of a brain is not limited by participation in mental processes. The brain not only controls the emotions by the neurotransmitters (catecholamines, serotonin, morphine-like opioids). The brain carries out the very important functions of regulation of all organs and systems of organism: cardio-vascular, breath, digestion, endocrine, etc.

So, we can summarize: the man represents complete psychosomatic system (PSS). This composite PSS is a closed system in its aspiration for self-regulation. On the other hand, it is open system, because it is in constant communication with the external world: by what we breathe, what we are eating and drink. It is not less important, that this system is in interaction (including the wave interaction) with similar people and other alive essences, including flora.

From here, any illness of the man should be considered as the psychosomatic diseases, though undoubtedly there is an essential difference between disease caused by the infectious agents or emotional stress. The consideration of the man as PSS is a substantiation of the holistic approach to health, or to restoration of it. I would like to explain it on one example. In my practice and researches I

---

<sup>1</sup> The experts in the field of quantum physics warn that the quantum objects are neither classical waves, nor classical particles, getting their properties only in some approximation. These terms were taken from classical physics, and methodologically more correct is the formulation of the quantum theory through integrals on trajectories (propagative), free from use of classical concepts.

attracted a special attention to the study of such mysterious disease as an uterine myoma (fibroid, fibromyoma).

**Uterine myoma.** The investigations of uterine myoma are carried on more than one hundred years; however, there are no considerable results in conservative therapy of patients with such pathology. The estrogenic theory was the leading conception of myoma, new concepts (immunologic, oth) have not serious supporting. Perhaps, it is useful to consider some other aspects? Our investigations showed that patients with uterine myoma simultaneously had many extragenital diseases of psychosomatic genesis: mainly the diseases of cardio-vascular system (arterial hypertension, myocardial ischemia, oth.)(44). Maybe the uterine myoma is a psychosomatic process too? The clinical observations became a foundation for carrying out investigations by complex methods, such as: closed clinical interview, psychological, electroencephalography, reflexometry, hormonal, biochemical studies, electrolytes (Na&K) in erythrocytes, plasma, urine, and tissue of uterus, electrocardiography, ultrasonography, electron microscopy, statistics and other methods of research. We examined 373 patients who were suffering from uterine myoma and 231 women without pathology of the genitals (control group) aged from 24 to 54. The results of our investigations showed that the prolonged relapsing conflict situations, provoking negative emotions, psychological peculiarities of a woman, and her reaction on psycho-traumatic situation result in by the appearance of chronic psycho-emotional stress, which clinically reveals itself as a syndrome of **psycho-emotional tension**(45). This syndrome becomes a system-forming factor and forms a **pathological functional system**(PFS), which involves mainly central nervous, autonomic nervous, blood circulating, neuro-endocrine, and reproductive systems with the uterus as a target-organ. Our complex investigations showed that the processes, discovered in the uterus, have displayed the picture of **ischemia**. The latter can develop as the result of activation of the sympathico-adrenal and neuro-endocrine systems.

Activation of the **sympathetic adrenal system** can lead to ischemia of uterus along some ways. The first way – increasing monoamine secretion (adrenaline, noradrenalin), activation of adreno-receptors, which cause intensification of contractility of smooth muscular cells(SMC), including vessels, which result in arterial spasm and the increasing of blood pressure. The second way – degranulation or lysis of labrocytes with yielding of heparin, histamine, proteolysis enzymes, that leads to local microcirculatory disorders and ischemia. The third way – activation of lipolysis, which is followed by the damage of lipid-bi-layer of membranes of endotheliocytes and SMC, which leads to electrolytes disorders and hyperhydratation and damage of the cells. This may be connected with the activation of adreno-cortical system.

In the reaction of the **neuro-endocrine system** the three variants may be isolated. The first variant is connected with formation of anovulative circle with hyperestrogenia, which is accompanied by an increase in secretion of antidiuretic hypophysis hormone. It leads to the delay of sodium and water, the rise in the circulating blood volume, the dilatation of capillaries and arterioles, injury of the endotheliocytes, which are followed by an increase in vascular permeability, and this leads to the edema of the cells and interstitium, plasmorrhage, hemorrhage, lymphorrhage. The second variant can be explained by the well-known feature of estrogen hormone retain sodium and water in the organism, to provoke the dilatation of vessels with the increasing of blood filling, damage of endotheliocytes and pericytes. All that lead to the condition of edema appearance and percolating of plasma and lymph, which impregnate the walls of vessels, fill in the interstitium and this, perhaps, plays a definite role in the developing of sclerosis including vascular sclerosis of myometrium. The third variant is connected with general stimulation of ovaries, which provides proliferation of SMC. Therefore, many functional damages there are that lead to microcirculatory disorders and tissue hypoxia. The factors reflecting the ischemic state of uterus myomatosus include: microcirculatory disorders, arterial spasm, venous congestion, lymphostasis, the weakening of oxidizing-reducing process, reduction of glycogen level, the increasing of glycosaminoglycans, the decreasing of level of nitrogen exchange, intensification of lipolysis with lipoidosis, prevalence of metabolism of anaerobic type, intensification of collagen formation, inclusion of SMC into the process of collagen formation, sclerosis of the vessels and interstitium, hyalinosis(46). The literature data and carried out investigations gave us the possibility to put forward a conception of etiology and pathogenesis, which considers **uterine myoma as psychosomatic process, manifesting itself in ischemic uterus disease**. It is a systematic disease, in which the mentality, nervous and cardio-vascular systems are involved. The uterine myoma is a brightest, though it is possible not main display of pathological process.

As each patient has an individual combination of etiologic and pathogenetic links we may say that "each woman with myoma has her own myoma". However, the high frequency of psycho-emotional stress was the reason for the use by patients with uterine myoma as basic therapy – psychoelectroregulation (PER). It included the **individual rational psychotherapy** with the following actions on the central nervous system by impulse currents by means of the apparatus LENAR (for the destruction of the developed stable PFS).

The investigations showed that only PER exerted a tranquilizing effect, decreasing of level anxiety, promoting a normalization of the functional condition of the nervous, endocrine, blood circulation and reproductive systems, restoration of electrolyte balance, the decreasing of level morbidity in the different classes of disease. The growth of the uterus stopped or its sizes even are diminished immediately after the course of treatment at the half of 76 patients . The stabilization of uterus sizes or diminishing of it took place in 72.1% of patients (47).

Why does uterine myoma decrease in size? Before we answer this question, we must consider the other question: what causes the increasing of uterus when there is myoma? Our morphological and electron-microscopy investigations showed that there are the following factors: the increasing of SMC at the expense of the increasing of new active organelles (quantity, volume), edema of the cells and of interstitium, venectasia, plasmorrhage, hemorrhage, lymphostasis and lymphorrhage, calcinosis of the cells and interstitium, hyalinosis, vascular and interstitial sclerosis, lipoidosis, proliferation of SMC. Of course, sclerosis or hyalinosis or calcinosis didn't disappear, but the psychotherapy and impulse application diminished psycho-emotional tension, have promoted to restoration of stability the sympathetic-adrenal and neuro-endocrine systems, have removed micro-circulating and metabolic disorders, decreased ischemic manifestations in cells and edema - in tissue. All of this have reduced and stopped the growth of myoma and then helped to diminishing of uterus myomatosus(48). It is necessary to add: acquainting with social and psychological situations of the women gave us the opportunity to individualize the psychotherapy, to improve the results of treatment, and to give the recommendations for prophylaxis of illness recurrence. In our opinion, such holistic approach to the patients with uterine myoma as a psychosomatic disease is more productive than separating the patient and her uterus.

**The conclusion.** The man represents the quantum-wave psychosomatic system. Any disease of the man is necessary to consider as a psychosomatic process irrespective of its reason. The holistic

approach in treatment as well as prophylaxis assumes the obligatory inclusion of individual psychotherapy along with special methods of traditional or alternative medicine.

### References

1. Bakhmutsky A, Brekhman G, Bukreev V, et al. 2010 Latent roots of violence: unconscious motives, mentality, ways to prevent. Haifa: Council of Scientists' House. 32p.
2. Einstein A. 1905 On a Heuristic Viewpoint Concerning the Production and Transformation of Light. *Annalen der Physik*. 17(6): 132–148
3. Einstein A. 1917 On the Quantum Mechanics of Radiation. *Physikalische Zeitschrift* 18: 121–128.
4. De Broglie L. 1923 Waves and Quanta. *Compt. Rend.* 177: 507-512
5. Gurvich AG 1991 Principle of analytical biology and theory of cellular fields. Moscow: Nauka. Reprint 1944 286p. Rus
6. Beklemishev VN 1994 Methodology of systematics. KMK Ltd SCIENTIFIC PRESS. (Reprint 1928). Moscow, 128p. Rus
7. Dzung Kandzeng YuV 1993 Bioelectromagnetic fields as a material carrier of the biogenetic information. *Aura-Z*. 3:42-54.
8. Gariaev PP. 1994 The wave genome. Moscow: Obschaja polsa. 279p. Rus
9. Gariaev PP. 1997 Wave genetic code. Moscow: Isdatcenter. 107p. Rus
10. Gariaev PP. 2009 Linguistic-wave genome: theory and Practice. Kyiv: Institute of wave genetics. 218p. Rus
11. Kaznacheev VP, Mikhailova LP 1981. Over-low radiation at the intercellular interactions. Novosibirsk:Nauka. 144p.Rus
12. Kaznacheev VP, Mikhailova LP 1985 Bio-informative function of nature electromagnetic fields. Novosibirsk:Nauka. 182p. Rus
13. Grof S. 1975 Realm of the Human Unconscious. Viking Press.
14. Kafkalides A.1980 The knowledge of womb. Trinklino.Corfu.
15. Lake F. 1980 Constricted Confusion. London
16. Storfer M., 1990 Intelligence and Giftedness: The Contributions of Heredity and Early Environment. San Francisco: Jossey-Bass,636p.
17. Brekhman, GI 2000 The conception of the multiple level co-ordinated action between the mother and her unborn child: the methodological approach and the methods of research. ISPPM Congress, Cagliari, Sardinia, IT. June 22-24, 2000.
18. Verny T., Kelley J. 1986 The Secret Life of the Unborn Child. N. Y.:Dell.
19. Verny T, Weintraub P. 2002 Tomorrow's baby. N.Y.: Simon&Schuster.
20. Chamberlain D. 1988 Babies Remember Birth. North Atlantic Books, California
21. Fedor-Freybergh PG, 1988 Encounter with the Unborn: Philosophical Impetus behind Prenatal and Perinatal Psychology and Medicine. In: Fedor-Freybergh PG, Vogel V (eds) Prenatal and Perinatal Psychology and Medicine. Encounter with the Unborn: A comprehensive Survey of Research and Practice. Parthenon Publishing Group, Lancs, New Jersey. (pp. XVIII-XXXII).
22. Fedor-Freybergh, PG 1993 Prenatal and Perinatal Psychology and Medicine: A New Approach to Primary Prevention *Int. J. Prenatal&Perinatal Psychology and Medicine* V.5(3): 285-92.
23. Emerson W.1996 The vulnerable prenat. *Pre and Preinatal Psychology* J.10:125-142.
- 24 Turner JRG&TGN, 1998 Conception: Vital Link in Relationships in Prenatal Psychology *Int. J. of Prenatal and Perinatal Psychology and Medicine*, V.10(1):29-37.
- 25 Janus L 2001 The Enduring Effects of Prenatal Experience. Mattes, Heidelberg
26. Brekhman, G. I. 1998 Encircling the neck of the unborn child with the navel string and the fear of snakes. *Jnt. J. of Prenatal and Perinatal Psychology and Medicine*. V. 10 (2).P. 175-180.
27. Brekhman GI 2001 The Conception of the Wave Multiple-Level Interaction Between the Mother and her Unborn Child. *Int. J. of Prenatal and Perinatal Psychology and Medicine*. V.13 (1/2): 83-92.
- 28, Schneider ML, Moore CF, Kraemer GW 2003 On the relevance of prenatal stress to developmental psychopathology. In D. Cicchetti & E. F. Walker (Eds.), *Neurodevelopmental Mechanisms in Psychopathology* (pp. 155-186). Cambridge, UK: Cambridge University Press.
29. Shachar-Dadon A, Schulkin J, Leshem M. 2009 Adversity before conception will affect adult progeny in rats. *Developmental Psychology* 2009 Jan;45(1):9-16.

30. Khmelevsky YuV, Usatenko OK 1984 Basic biochemical human constants in the norm and pathology. Kiyv.120p.Rus
31. Odenthal H., Ludwig W 1980 Die Verordnung uber Allgemeine Bedingungen fur die Versorgung mit Wasser (AVBW) Vom 20.Juni 1980: Mit Erlauterungen
32. Benveniste J, Aïssa J, Guillonnet D. 1999 The molecular signal is not functional in the absence of “informed” water. FASEB Journal. 13: A163
33. Betzky OV, Devyatkov ND 1996 Electromagnetic MM waves and living organisms. Biomedical radio-electronics. N3. in: Radio-electronics, 1996, N9. PP.23-28. Rus
34. Zenin SV 1999 Water is a keeper and compiler of the information. National medicine. №1.Pp.12-16. Rus
35. Petrosyan VI, Sinitsyn NI, Jolkin VA, et al 2000a Water, Paradoxes and Grandeur of Small Quantities. Biomedical radio-electronics. N 2 PP. 4-9. Rus
36. Petrosyan VI, Sinitsyn NI, Jolkin VA, et al. 2000b Interaction containing water of environments with magnetic fields. Biomedical radio-electronics. N 2. PP. 10-17. Rus
37. Glenr R, McGraty R. 1994 Structural Changes in Water and DNA Associated with New Physiologically Measurable States. J. Sci. Explor., 8, 438.
38. Schweitzer D. The Relationship Between the Endocrine Glands, Emotions and Their Appearance at the Bio-Photon Level. [http://www.davidschweitzer.com/chackras01 .htm](http://www.davidschweitzer.com/chackras01.htm)
39. Brekhman GI, Smirnov KK. 2001 Water as Energoinformative Connection Channel Between an Unborn Child, Its Mother and Environment. Int.J. of Prenatal and Perinatal Psychology and Medicine. V. 13 (1/2): 93-98.
40. Chirkova EN 1999 Immune-specificity of wave information in alive organism. Moscow: New Center. 304p Rus.
41. Montagnier L., Aïssa J. et al. DNA waves and water. <http://arxiv.org/abs/1012.5166>
42. Pearsall P, Schwartz GE, Russek LG. 2005 Organ Transplants and Cellular Memories. Nexus Magazine, April - May 2005. 12(3)
43. Pribram K. 1991. Brain and perception: holonomy and structure in figural processing. Hillsdale. NJ: Lawrence Erlbaum Associates.
44. Brekhman GI, 1978 The uterine myoma and extragenital pathology. Akush& Gynecol. №6. P.19-23 Rus.
45. Brekhman GI, 1990 The syndrome of psycho-emotional tension and uterine myoma. Akush&Gynecol. № 2. P. 13-17 Rus.
46. Brekhman GI, Mironov AA 1983 The ultrastructure characteristic of microcirculation in uterus with myoma nodules. Akush&Gynecol. №9.P.65-67 Rus.
47. Brekhman GI, 1991The psychoelectroregulation in conservative therapy of the patients with uterine myoma. Akush&Gynecol. № 2. P 48-51 Rus.
48. Brekhman GI, Masorchuk BF, Masibroda NG 2000.The Uterine Myoma: psychosomatic aspects, conservative therapy and prophylaxis. Monograph. Ivanovo-Vinnica:Sota. 218p. Rus.

Address:

Prof. Dr. Grigori Brekhman

E-mail: [grigorib@013.net](mailto:grigorib@013.net)