

Pogledi/Views

MAN AS A QUANTUM-WAVE
PSYCHOSOMATIC SYSTEM *

ČOVEK KAO KVANTNO-TALASNI
PSIHOSOMATSKI SISTEM *

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Ključne reči

teorija dualizma, geni, talasna genetika, memorija vode, ćelijska memorija, biopolje, čovek kao psihosomatski sistem, miom materice, psihosomatska bolest, psihoelektroregulacija.

Abstract

The author considers the Man from a position of the theory of *wave-particle* duality of a matter. This has opened existence in a nature of ways of interaction and information interchange between genes, cells, and persons, about which we did not suspect or knew a little. The concept of duality has allowed understanding the wealth of 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. To certain extent the concept of duality gives an explanation of reasons of diseases and gives interpretation to methods of treatment, which (despite of their efficiency) are ascribed as alternative ones, being not accepted by official medicine. As an example, the author describes the uterine myoma as a psychosomatic process, manifesting itself in ischemic uterus disease. He substantiates and uses the holistic approach and nonstandard method of psychoelectroregulation in these patients, which offers the long-term results.

1. INTRODUCTION

The term "psychosomatic disease" assumes that in pathological process both psyche and soma are involved. But it means also that we know about existence of psyche and mental illnesses separately. Such classification was quite true for a certain stage of development of science. Contemporary the Man is considered as complete psychosomatic system^[1]. Certainly, one can have 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 regarding structure of the world began to vary with appearance of the theory of corpuscle-wave duality of a matter. In the beginning of 20th century Einstein by his early discoveries^[2, 3] has shown that light can be interpreted as a flow of energy quanta (i.e. the corpuscles), which in many physical

effects also show properties of electromagnetic (EM) waves. Bohr with the colleagues has tried to rescue the Maxwell's wave theory of light, but should surrender and confirm Einstein's correctness. Subsequently de Broglie, developing these ideas has put forward a hypothesis about universality of corpuscle-wave duality of a matter^[4]; after de Broglie, the electrons and any other particles of a matter (not only photons) have both corpuscular and wave properties.

The Russian geneticists Gurvich^[5] and Beklemishev^[6], on the basis of new paradigm, have put forward a hypothesis about the wave properties of genes. The Russian geneticist of a Chinese origin Dzang Kangeng^[7] showed this experimentally, by his device for transferring the wave property of genetic information, when he received hybrids of plants and the ducks. These data were confirmed by further research of the Russian geneticist Gariaev^[8-10], who together with the colleagues successfully continues to develop wave genetics.

A little bit earlier Kaznacheev (not being fixed exclusively on genes) has published results [11-12], in which has shown that carriers of the information in biological systems can be quanta of EM field, or biophotons. He believed that the EM channel of information communication in the alive substance carries universal character and is widely used between cells.

2. CELLULAR MEMORY

Each cell is a multi-component organism, which includes a membrane with set of receptors, and 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, organs, and whole organism.

The investigations by LSD-25, other psychedelic drugs, and holotropic breathwork, have shown that the man can comprise in his memory the events experienced by previous generations, the steady psychological features of ancestors and certain modes of their behavior [13-15]. The researchers believe that the intelligence of the man and his mentality are connected to a heredity [1,16,17]. That is, the genes are the carrier of 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 within 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 [18-27]. This pre- and perinatal information can be transferred to the following generation. This 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 is an original psychosomatic structure.

However, this information is incomplete, because we have said nothing 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 up to 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 of 16 weeks up to 92%, newborn near 72%, and adults near 60-65% of water [30].

I mentioned about water, as numerous investigations in last years have shown that water has information properties: it is the original generator of 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 psychic energy and the thought information, executes a role of the synchroniser, and standard of time in bio-systems [31-36].

This is confirmed in fact by long-term homeopathic practice. It is important that both structure and properties of water and the water solutions can change under influence of the mental information [34,37,38]. This 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]. Peter Gariaev [8,9] has experimentally proved that cells, chromosomes, DNAs and proteins pass the hereditary information within the space of organism – via physical fields, electromagnetic and acoustic waves.

It is possible to assume that such cellular structures as DNAs, 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 Luc Montagnier and his team [41]. They have shown that water is capable to include the information from DNAs. In our opinion, this can mean more: between DNAs and molecules of water, and possibly 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 DNAs, molecules of water and proteins, and due to them includes the coded information, both somatic and mental.

If to take into account researches by Gurvich, Kaznacheev, Gariaev and other scientists, the cells are the carriers of the information both as particles and waves, and therefore it is possible to speak about the cells as the psychosomatic structures¹.

From a position of considered paradigm of the matter duality, the billions of cells in multi-cellular organism are in instant wave-like 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 and genes, are under influence of the external factors and can accu-

¹The 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 (propagators), free from usage of classical concepts.

mulate the physical and mental information, save it, and pass to each other.

The wave amplitudes of separate molecules can be superimposed among themselves, forming the general coherent EM wave. In a similar way, there are probably superimposing waves of subcellular elements and cells of separate organs, forming a resonant frequency specific to the given organ. So, the frequency of electrical activity of heart is within the limits of 1 Hz, of brain within the limits of 5-40 Hz, etc.

It is possible to assume, that the superimposing of waves of cells, tissues, and organs, at the end forms a man's *biofield* with resonant frequency specific for the particular person. The traditional view on the biofield as a surrounding environment of the man should be changed. A wave informative cloud as a product of functioning of the alive cells wraps and penetrates the man. It includes the knowledge at a quantum level about his physical and mental components and relates to both 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 a function of the whole organism, the 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, and David Chamberlain advanced these ideas during 20th century.

In 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]. Also, Karl Pribram has found out that many people which experienced traumas of a head brain with partial (and even significant) loss of its part, have not lost their memory. He has assumed that the centers of memory are in all brain, and subsequently he has offered a holographic hypothesis of the brain functioning [43].

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

Of course, the function of a brain is not limited by participation in mental processes. The brain not only controls the emotions by neurotransmitters (catecholamines, serotonins, morphine-like opioids). The brain carries out the very important functions of regulation of all organs and systems of organism: cardiovascular, 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 an open system, because it is in constant communication with the external world: by what we breathe, what we are eating and drinking. It is not less important that this system is in

interaction (including the wave interaction) with other people, and even other alive essences, including flora.

From here, any illness of the man should be considered as the psychosomatic disease, though undoubtedly there is an essential difference between diseases 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 this on one example. In my practice and researches I attracted a special attention to the study of such mysterious disease as uterine myoma (fibroid, fibromyoma).

3. 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, while 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 resulted in 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 *sympathico-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 and proteolysis enzymes, which 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 lead 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, there are many functional damages that lead to microcirculatory disorders and tissue hypoxia. The factors reflecting the ischemic state of uterus myomatosis 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, and 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*. This 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 usage of psychoelectroregulation (PER) as basic therapy for patients with uterine myoma. 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, and decreasing level of morbidity in the different classes of disease. The growth of the uterus is stopped or its sizes are even 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, and proliferation of SMC. Of course, sclerosis or hyalinosis do not disappear, but the used treatment (PER) removes disorders of microcirculatory and metabolism, decreases ischemia and edema, and stops the growth of myoma and later on helps its diminishing [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.

4. CONCLUSION

In conclusion, we argue that the man represents the quantum-wave psychosomatic system. Any disease of the man should be necessarily considered as a psychosomatic process irrespective of its origin. The holistic approach in treatment as well as prophylaxis should assume the obligatory inclusion of individual psychotherapy along with special methods of official or alternative medicine, as we demonstrated by treating uterine myoma as a psychosomatic process, with the long-term results.

Apstrakt

Autor razmatra čoveka sa pozicije teorije *talasno-čestičnog dualizma* materije. To otvara postojanje u prirodi načina interakcije i informacione razmene između gena, ćelija i osoba, o čemu nismo niti podozrevali niti mnogo znali. Koncept dualizma dopušta razumevanje bogatstva informacija sadržanih u čoveku koje omogućavaju njegovo posmatranje kao *psihosomatskog sistema* i objašnjenje nekih karakteristika ljudskog mišljenja i ponašanja, izvora ljudskih talenata i problema, funkcionisanja u društvu i međuljudskih relacija. U određenoj meri koncept dualizma pruža objašnjenje za razloge bolesti i daje interpretaciju metodama njihovog tretmana, koji se (uprkos efikasnosti) smatraju alternativnim i ne prihvata ih oficijelna medicina. Kao primer, autor opisuje miom materice kao psihosomatski proces, koji se manifestuje u ishemičnoj bolesti materice. On potkrepljuje i koristi holistički pristup i nestandardni metod psihoelektroregulacije ovih pacijenata, što daje dugotrajne rezultate.

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