

Bioresonance therapy and its place in modern traditional medicine

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Medicine as a means of self-help and mutual assistance originated in ancient times, and only after more than one millennium clans of professional healers took shape, which laid the foundation for many modern scientific directions in therapy. The resulting specialization, on the one hand, significantly contributed to the more intensive development of various professional orientations of the doctor, on the other hand, it significantly complicated the life of patients who had to turn to a wide range of narrow specialists. The intensive development of pharmacotherapy stimulated the emergence of tens of thousands of new drugs, which began to have the ability to have a therapeutic effect at all levels of the organization - from subcellular to organismal. Together with the undoubted merits of pharmacotherapy, one cannot but recognize the negative aspects of its not always justified use: allergization, side effects, the emergence of medicinal diseases, new antibiotic-resistant strains of microorganisms. Here one cannot fail to mention one of the critics of XX century medicine A.S. Zalmanov, many of whose statements about the lag and crisis in medical science caused irritation and rejection by the official medicine of that time [1]. The current situation led to the fact that, despite the seeming external well-being in medicine, its internal contradictions gradually developed into destructive tendencies, against which even experienced clinicians were increasingly forced to seek the help of specialists practicing outside the framework of "academic" medical science. side effects, the emergence of medicinal diseases, new antibiotic-resistant strains of microorganisms. Here one cannot fail to mention one of the critics of XX century medicine A.S. Zalmanov, many of whose statements about the lag and crisis in medical science caused irritation and rejection by the official medicine of that time [1]. The current situation led to the fact that, despite the seeming external well-being in medicine, its internal contradictions gradually developed into destructive tendencies, against which even experienced clinicians were increasingly forced to seek the help of specialists practicing outside the framework of "academic" medical science. many of whose statements about the lag and crisis in medical science caused irritation and rejection from the official medicine of that time [1]. The current situation led to the fact that, despite the seeming external well-being in medicine, its internal contradictions gradually developed into destructive tendencies, against which even experienced clinicians were increasingly forced to seek the help of specialists practicing outside the framework of "academic" medical science. many of whose statements about the lag and crisis in medical science caused irritation and rejection from the official medicine of that time [1]. The current situation led to the fact that, despite the seeming external well-being in medicine, its internal contradictions gradually developed into destructive tendencies, against which even experienced clinicians were increasingly forced to seek the help of specialists practicing outside the framework of "academic" medical science.

As a result of this, over the course of several decades, a professional and social stratum of representatives in the field of traditional medicine has been formed, although other terms are often used to denote it - "alternative", "unorthodox", etc. [2, 3]. It seems to us that it is the term "traditional" that most fully reflects the essence of this direction in domestic medicine, since others, for example, "alternative" - the opposite, are quite conventional and reveal only part of the content, leaving aside the whole complex of concepts.

Based on modern concepts of the body as an open self-regulating system, all human activity takes place in the form of an individual's adaptation to specific environmental conditions in the range of certain changes in environmental factors. The habitat, which is a huge variety of external factors with certain properties and no less number of their aggregates, in the process of ontogeny and phylogenesis constantly affects a person, leading to the formation in his body of phylogenetically formed and genetically determined programs aimed at optimal provision of homeostasis ... The systemic and systemic influence of environmental factors contributes to the formation of structural (morphological) and functional (physiological) changes,

which to a large extent determine all human activity. From this it follows that between the very factors of the environment and the organism there are a variety of close systemic connections, due to which the individual adapts to the specific conditions of the external environment, including internal morpho-functional changes. Any impact of an external factor on the body comes into collision with internal (organismic) resources, and the discrepancy or inconsistency between them often leads to the development of the disease. In medicine, it has been empirically noted for a long time that a disease is determined by a specific interaction of external (environment) and internal (internal environment of the body) factors, and not by their nature. This interaction is based on the reactivity of the organism itself, which is able to perceive, transform and respond to external influences, which allows us to consider the disease as a direct result and development in time of these interactions. In the broadest sense, a disease arises as a result of a certain set of factors - material (chemicals), energy (electric and electromagnetic fields and radiation) and information, knowledge of the laws of interaction and the resulting action of which makes it possible to predict and control the final result [4].

The methods of traditional medicine, which have withstood centuries of competition, have long been focused on stimulating the internal resources of the body, aimed at combating the disease, facilitating the processes of self-healing and rehabilitation. Recently, among the new rational and modern methods of traditional medicine based on these principles, bioresonance therapy has taken a firm place, which in our country has become widespread and popular thanks to the research and development of the Center for Intelligent Medical Systems "IMEDIS" under the leadership of Yu.V. Gotovsky [5, 6]. In the "Nomenclature of works and services in healthcare", bioresonance therapy (01/17/002) refers to "Methods of electromagnetic therapeutic effects on organs and tissues."

Analysis and systematization of the existing theoretical and experimental results concerning the role of electric and electromagnetic fields in the processes of human life has made it possible to expand the possibilities of their use for therapeutic purposes. This situation became possible when choosing the optimal characteristics of the human body, assessed by the parameters of external electric and electromagnetic fields, which would describe life processes with a high degree of reliability both in normal conditions and in pathology. The principle of bioresonance therapy consists in registering electrical or electromagnetic signals from the human body, processing and returning them to the same body using spatially spaced electrodes placed on the skin or distantly using a magnetic inductor [5-7].

The choice of electromagnetic signals characterizing the physiological and pathological aspects of the state of the human body is a rather difficult task associated with both the methodological features of this method and the appropriate analysis. Use in bioresonance

therapy of the human body's own electromagnetic signals, contact or non-contact recorded, is inextricably linked with the methods of their processing and analysis. The low intensity of electric and electromagnetic fields of endogenous origin and the presence of additional electrical noises (thermal, flicker, etc.) in the human body required the creation of models and algorithms for adaptive signal processing in bioresonance therapy [8].

A wide spectrum of oscillations is presented in the human body, ranging from electric infraslow ones to coherent high-frequency oscillations of the cytoskeleton, membranes, proteins and DNA [9]. In bioresonance therapy, resonance is understood not in the classical physical sense, but as the interaction of natural oscillatory processes in the human body with external, appropriately processed electrical and electromagnetic signals and fields. In the process of bioresonance therapy, the patient and the apparatus form a closed loop, in which, throughout the entire treatment process, their own electrical and electromagnetic signals are recorded, processed and returned to the patient's body.

Due to the versatility of approaches to the treatment of various diseases and their maximum adaptation to a specific individual, the range of therapeutic applications of bioresonance therapy is extremely wide. According to the Center for Intelligent Medical Systems "IMEDIS", judging by the long-term experience of domestic and foreign specialists using bioresonance therapy in their professional activities, the most successful results were obtained in the treatment of diseases of the broncho-pulmonary and cardiovascular systems, gastrointestinal tract, immune disorders, status, chronic degenerative changes, relief of pain syndromes, pathologies in the gynecological and urological sphere, endo- and exotoxicosis of various etiologies, consequences of being in the zone of action of geopathogenic radiation, electromagnetic fields of technogenic origin, intolerance to dental materials, etc. Good results were obtained when using bioresonance therapy as preventive therapy during periods of unfavorable epidemic conditions. At the same time, bioresonance therapy should not be considered in isolation from the methods of traditional medicine, since it contributes to an increase in the effectiveness of the applied therapeutic measures of the clinician. Bioresonance therapy can be combined with any other therapy, since it helps to increase the effectiveness of the applied therapeutic measures of the clinician. Bioresonance therapy can be combined with any other therapy, since it helps to increase the effectiveness of the applied therapeutic measures of the clinician. Bioresonance therapy can be combined with any other therapy.

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Gotovsky, M.Yu. Bioresonance therapy and its place in modern traditional medicine / M.Yu. Gotovsky, Yu.F. Perov // Traditional medicine. - 2006. - No. 1 (6). - S.8-10.

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