

Integral energy and biochemical markers
as a way to implement a personalized approach to patient care
NS. Kirgizova

(GBOU VPO RNIMU named after N.I. Pirogov, Ministry of Health of the Russian Federation, Moscow, Russia)

The human energy system from the standpoint of traditional Chinese medicine (TCM) can be considered as a three-level structure. Its base floor is represented by protective and nutritional energy, which is generated due to the activity of the main channels of the body. Further, this energy through the distribution system, represented by the wonderful channels that make up the second floor, is transformed and rises to the level of the third floor, which can be regarded as a floor of energy consumption for functional and social needs. There is a direct relationship between the amount of energy generated and the level of its consumption. The energy distribution system - the second level - is a complex coordinating and controlling system, in which the Chun-Mai channel is the dominant center.

The existing point of view on the connection of energy structures with the organs of the body presents the hypothalamus as the material basis for the Chun-Mai channel. At the same time, from the standpoint of neurology, the hypothalamus is the center of autonomic regulation.

The method of segmental biofunctional diagnostics (SBFD) is a method for recording the parameters of electrical conductivity of human body tissues and the dynamics of its change in response to current stimulation. The dynamics of electrical conductivity depends on the consistency of the hypothalamus, as the center of control and regulation of the autonomic nervous system, which is the main link in the human adaptation system.

Deviations in the functioning of the adaptation system are possible due to dysfunctions of one or more levels in the three-level energy system.

In order to identify the level and cause of the lesion, the use of special functional loads seems to be the most optimal. For this purpose, the IMEDIS-EXPERT system uses bioresonance therapy (BRT), which can be considered as subthreshold electromagnetic stimulation with certain frequencies of biologically active zones, which in turn activates the adaptive system and its center, the hypothalamus. Analysis of the initial indicators and indicators after special loads makes it possible to detect violations in the adaptation system, the level and causes of these violations.

When testing the functioning of the adaptation system, the tactics of sequential enumeration of stimulating factors for the structures of each of their three energy levels is applicable. On the base floor, food and protective energy is produced, respectively, as a functional load, organotropic BRT along the main classical channels of the body can be the most acceptable. For testing the third level, the most optimal is the use of functional load in the form of personally selected induction programs. As a functional load for the hypothalamus

can to consider the very procedure segmental diagnostics with
electromagnetic stimulation with alternating current with a frequency of 13 Hz.

To conclude about the level of damage, the dynamics of the results obtained is analyzed using the assessment of the integral coefficient of instability (ICI).

As an additional marker for assessing the energy system, the quantitative determination of the blood serum parameter of the enzyme Coenzyme Q10 is used.

Coenzyme Q10 can be considered as an integral biochemical parameter of the activity of the human energy system. Correlation between the adaptive capacity and the quantitative content of Coenzyme Q10 in blood serum was noted.

The deviations of CNI revealed in the process of diagnostics correlate with problems in the energy structure and deviations of the quantitative parameter Coenzyme Q10.

Positive dynamics of CNI, normalization of the content of the biochemical marker Coenzyme Q10 in blood serum during treatment are correlating integral parameters that allow a personalized approach to the treatment of patients, including those with complex systemic metabolic pathologies.

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