

Rehabilitation technologies for correcting disorders of intersystem interactions in the body in persons of hazardous professions
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Rehabilitation technologies of correction of infringements of intersystem interactions in organism of persons of dangerous occupations professions
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RESUME

Results of researches are presented displaying efficiency of the various rehabilitation technologies directed on correction of infringements of intersystem interactions in an organism of persons of dangerous professions.

Keywords: the system approach, intersystem interactions, rehabilitation technologies, polysystem influences.

SUMMARY

The results of studies to assess the effectiveness of various rehabilitation technologies aimed at correcting violations of intersystem interactions in the body in persons of hazardous professions are presented.

Key words: systems approach, intersystem interactions, rehabilitation technologies, polysystemic impact.

The theory of functional systems and the analysis of intersystem interactions (MSI) in the body allow a new approach to the problem of correction of impaired human functions [1–9]. A number of studies have shown that in the early stages of functional disorders caused by emotional or physical stress, a nonspecific informational syndrome of disintegration of various functional systems is formed [3, 4, 11]. Obviously, in this case, the ongoing rehabilitation measures should be aimed, first of all, at the correction of informational dysfunction that has developed in the body. At the same time, the nature of the existing rehabilitation factor is not significant [3].

However, I would like to note that the theoretical prerequisites for the use of such methods as bio- and multiresonance therapy are very close to the theory of functional systems, as a result of which their practical use is most adequate for the purpose of correcting violations of intersystem interactions. The fact is that these methods make it possible to produce a controlling effect on the body at the level of its biophysical regulation, in particular at the level of the electromagnetic fields it creates, by creating a temporary external control loop. The purpose of such a control action is to provide the body with information resources to achieve a state of health, that is, a state

adequate for self-realization of the organism [3, 4]. Other means of information impact are no less effective, such as: weak electromagnetic fields, homeopathy, acupuncture [4, 6, 8–10, 12–15].

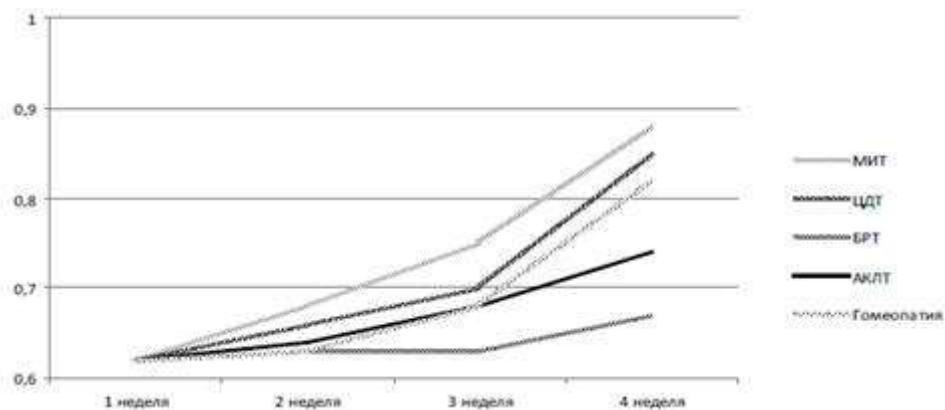
One of the main tasks of the work carried out was to evaluate the effectiveness of various rehabilitation technologies aimed at correcting violations of intersystem interactions in the body in persons of hazardous professions. The choice of methods and technologies of rehabilitation was carried out on the basis of assessing the level, nature and severity of intersystem disorders, assessed using the probabilistic function of entropy, as well as an analysis of the adequacy, application features and possibilities of methods and means of recovery. Such an approach, in our opinion, should have ensured the restoration of disturbed intersystem relationships and, as a consequence, the proper level of professional health of the studied category of persons of hazardous professions, since allows you to clearly guide the rehabilitation doctor in relation to the need, efficiency, type, intensity, etc. characteristics of corrective actions. Difficulties in carrying out these studies were associated with the fact that in the literature available to us, we did not find indications of the presence and application of strictly specific methods for correcting violations of intersystem interactions, focused on changing the value of entropy.

The results of the studies carried out made it possible to identify the specificity of individual and complex rehabilitation technologies in relation to the type and nature of MSV violations:

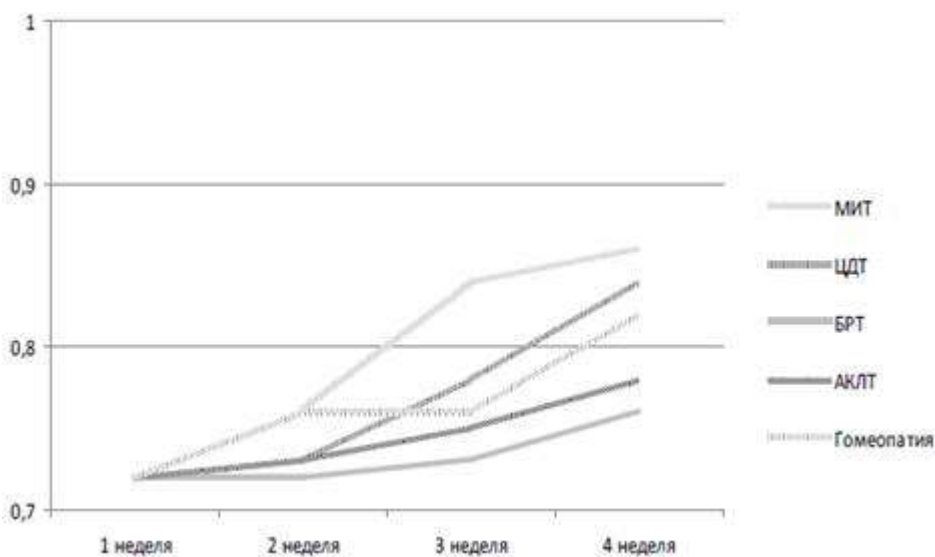
- the most effective methods for correcting MSV disorders at the level mental (PS) and psychophysiological functions (PSF) were magnetic pulse (MIT) and color dynamic (CDT) therapy, as well as the complex effect of MIT + homeopathy + CDT; the observed increase in entropy was 42%, 37% and 48%, respectively (Fig. 1);

- the most effective methods for correcting MSV disorders at the level mental (PS) and physiological (PHY) functions were MIT and homeopathy, as well as the complex effect of MIT + homeopathy + acousto-K-laser therapy (ACLT); the observed increase in entropy was 52%, 45% and 58%, respectively (Fig. 2);

- the most effective methods for correcting violations of MSV PSF-PHY were MIT and bioresonance therapy (BRT), as well as the complex impact of IT + homeopathy + BRT; the observed increase in entropy was 58%, 56% and 67%, respectively (Fig. 3).



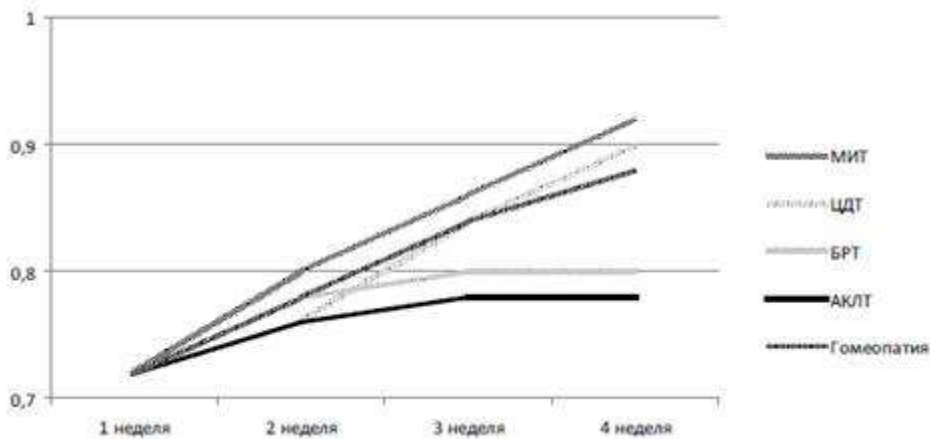
Rice. 1. Dynamics of the entropy index during the correction of interconnection disorders mental and psychophysiological functions.



Rice. 2. Dynamics of the entropy index of the PS-PHY MSW during the correction of violations the relationship of mental and psychophysiological functions.

The most resistant to both mono- and complex therapy were disorders at the level of PS-PSF MSW, the least - PSF-PHY MSV. These data, apparently, indicate a certain sequence of the formation of intersystem disorders in the body, arising under the influence of certain environmental factors: disorders are primarily manifested at the PSF-PHY level, then at the PS-PHY level, and then at the PS-PSF level. The restoration of functions during therapy is observed in the same sequence.

The studies carried out allowed us to conclude that the most promising in relation to the correction of disturbances in intersystem interactions in the body are methods that have the possibility of a polysystemic effect on the body, carried out through the physical channels of regulation. In particular, MIT and CDT, whose programs initially include a set of organ-specific frequencies that make it possible to implement this possibility in practice.



Rice. 3. Dynamics of the PSF-PHY MSV entropy index during the correction of violations the relationship of mental and psychophysiological functions.

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