Correction of metabolic disorders of the musculoskeletal system bioresonance methods for mining workers

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Relevance

According to various sources, the stability of the collagen matrix is provided by the intermolecular bond of amino acids included in the collagen polypeptide chain, and the main task of osteoporosis (OP) treatment is the normalization of bone remodeling processes, leading to an increase in bone mineral density and an improvement in its strength. The urgency of the problem lies in the fact that there are still no sufficiently effective and safe means for the treatment and prevention of AP. Calcium preparations and its various compounds in the form of carbonate, citrate, phosphate, ascorbate, succinate, etc. in isolated form have little therapeutic activity and create a high risk of calcification of small and large vessels, some tissues with the formation of stones in them. The use of hormonal forms of vitamin D (cholecalciferol, ergocalciferol, videhol,

Although at present, combined preparations of calcium with vitamin D and its active metabolites (alfadol calcium, calcimin, citrocal) are used, they potentiate each other's action and create a risk of excessive mineralization of various tissues and organs up to calcification. In recent years, the interest of doctors in the hormonal mechanisms of regulation of bone mineral density has increased [2, 3].

The purpose of our study was to develop a new approach to correction metabolic disorders in bone tissue in miners using bioresonance technologies.

Materials and methods

This work is based on the results of treatment during the year with bioresonance methods of 16 miners aged 35 to 55 years with osteopenic syndrome, among whom three were diagnosed with OP.

To restore the disturbed acid-base balance of the connective tissue, v structured alkaline water with a redox potential of -200 mV obtained from a Dion BLUE dispenser (ALLS BON KOREA CO, LTD) was used. This water not only evens out the disturbed balance, but is also able to penetrate into the cell under conditions of endotoxicosis and activate metabolic processes in it and restore its communication links. Optimization of nutrition was carried out by excluding products that acidify the body.

Therapy of psychovegetative loads included the selection of Bach essences by the method of vegetative resonance test (ART), drainage of toxic

compounds were carried out by the drug Lymphomyosot (company "Heel") and complexones by the company "Omeo Tossicologici Italia" Phytoks 2 and Phytoks 3.

After 2 weeks from the start of therapy, a drone brood of the company "Parapharm" was prescribed, which is a biological stimulator of the neuro-endocrine system and an excellent adaptogen. The duration of admission was 2 months, 2 times a year.

There were several sessions of exogenous and 5 sessions of endogenous therapy during the year.

To correct bone metabolism, the drug Fitox 56 was used in combination with the missing microelements and vitamins, several courses throughout the year.

The assessment of the selected agent was determined by the test result by filtering through the indicators of efficacy and tolerance.

The results of the effectiveness of the therapy were assessed by the HL on morphological scale with tracking the dynamics of the development of recovery processes in the bone tissue. In persons with osteopenia, bone mineralization was 2 times faster than in persons with osteoporosis.

The developed technique of bioresonance restoration of the functional activity of osteoblasts made it possible to completely prevent degenerative processes in the bone tissue.

Conclusion

Thus, a comprehensive therapeutic approach to the correction of metabolic disorders in the bone tissue causes its physiological increase within 4–5 months in persons with osteopenia and 9–10 months in persons with osteoporosis.

Literature

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