

Causes of diseases of the spine

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Over the past decades, more and more often we are faced with diseases of the musculoskeletal system. Many adults suffer from diseases of the spine, which most often first appear between the ages of 25-30 and occur in all age groups. More or less severe pain occurs in the lumbar region of the spine or in the transition from the lumbar region to the sacral region. Part of the pain can be given to the buttocks and the back surface of one or both legs. As a rule, pain comes on without warning, suddenly. Most often, it is preceded by a load, for example, lifting weights or a sharp turn of the body. The pain is severe, stitching and the slightest movement is enough to intensify.

A century ago, when there was no accurate diagnostic technique, rupture of muscles or ligaments was considered the cause of back pain, and many neurological symptoms were a consequence of the vital activity of microorganisms. Then they found out that pain appears when the intervertebral discs are displaced or osteophytes appear on the spine.

Due to a certain movement or load, a painful change in the intervertebral disc occurs, which enters the spinal canal, while destroying the network of sensitive nerve fibers in the spinal cord, which causes pain.

Along with the mechanical effect of the degenerative intervertebral disc, several factors that arise simultaneously are responsible for the development of the chronic form.

First of all, this is a weakening of the muscles in the lumbar and sacral regions of the spine, as well as an increase in body weight.

Another important factor is the impact of the environment. The background existing around us, created by various devices, antennas, etc. (the so-called electromagnetic fields), radiation background, cannot but affect our health.

Many radioactive isotopes have long half-lives, remaining hazardous throughout their lifetime. They are included in the circulation of substances, enter living organisms and have a destructive effect on cells. Strontium (SR-90) is very dangerous, which is close to calcium, due to which it accumulates in the skeleton. Perhaps this can explain the more frequent cases of the formation of intervertebral hernias. After all, if earlier this disease was met very rarely, more often in elderly people, now it is diagnosed much more often, especially in people living in the territories affected by the accident at the Chernobyl nuclear power plant.

As for the electromagnetic fields, this is a trigger mechanism, as a result of which a weakening of the immune system occurs, and as a result, a malfunction of the endocrine system, primarily the thyroid gland.

The thyroid gland produces the hormone calcitonin, which is involved in the body's calcium metabolism. Its companion, the parathyroid gland, whose functions few have heard of, produces a calcitonin antagonist - parathyroid hormone. If the thyroid gland is not producing enough hormones,

the level of calcium ions in the blood decreases. The parathyroid gland increases the production of parathyroid hormone, which stimulates the extraction of missing calcium from the bone tissue. This leads to a violation of the calcium-phosphorus balance, the bones become fragile, disc protrusion occurs, a tendency to osteoporosis. In this case, taking calcium supplements will not help.

In our center, 89 patients were diagnosed with various pathological changes in the musculoskeletal system: Schmorl's hernia, osteochondrosis, osteoporosis. As a result, radiation load was tested in 25% of patients, electromagnetic load in 34%, and in 53% of patients the test for osteoporosis and osteochondrosis worked. And nearly 75% had parathyroid abnormalities tested.

Depending on the results obtained, treatment was carried out: bioresonance therapy, therapy with fixed frequencies, general and specific bioresonance drugs were prescribed, and the endocrine system was corrected. Improvement of well-being was noted by all patients - pain syndrome passed, mobility of the spine and joints was restored.

More lasting results were obtained in combination with hirudotherapy, which improves blood microcirculation and tissue nutrition in the affected area.

Summing up all of the above, we can conclude that the treatment of diseases of the musculoskeletal system should be approached comprehensively, taking into account all possible causes of the disease.