

Endocrine pathologies in the conditions of chemotherapy

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Conflict of interest: none

BACKGROUND. Cancer is the leading cause of death in the world. Chemotherapy is the most effective and in some cases the only method of treating oncopathology. At the same time, chemotherapy can lead to a number of side effects, among which endocrine disorders are noted.

OBJECTIVE. To investigate possible diseases of the endocrine system that develop during chemotherapy.

MATERIALS AND METHODS. A review of literary sources.

RESULTS AND DISCUSSION. In general, the statistics on the development of endocrine diseases during chemotherapy is limited and requires additional research to obtain a more accurate picture. Nevertheless, based on the data of the studied literature, it can be assumed that some of the patients who received chemotherapy developed the following endocrine disorders: hypothyroidism, Hashimoto's thyroiditis, adrenal dysfunction (hyper- and hypocorticism), hypergonadotropic hypogonadism, diabetes mellitus.

CONCLUSIONS. Endocrine diseases that develop as a result of chemotherapy can significantly worsen the patient's quality of life, and given the fact that chemotherapy is vital and in some cases the only treatment for oncopathology, doctors should timely monitor carbohydrate metabolism, thyroid function and other markers of endocrine diseases. No less important are preventive measures, including rational nutrition and physical activity, the intensity of exercises and movements for wellbeing.

KEY WORDS: chemotherapy, endocrine diseases, adrenal dysfunction, steroid diabetes, obesity.