

Eshkuvatova Maftuna Sindorovna

Zhuraev Abduvokhid Gani ugli

Bekmuradova Dilfuza Suyunovna

Students Samarkand State Medical University.

Annotation: *Thyrotoxicosis is a clinical syndrome that occurs with an increased content of thyroid hormones in the blood. An excess of these hormones affects the functioning of various organs and systems. Patients complain of dry skin, brittle hair, puffiness of the face, there may be a small tremor of the eyelids, fingers, and even the whole body.*

Keywords: *If we talk about how dangerous thyrotoxicosis is in severe form, then we can immediately note that there are violations in the work of many internal organs. Even vision can be affected - the tissues of the orbit of the eye swell and they protrude. This makes it difficult to focus your eyes.*

There are small fluctuations in temperature, increased nervous excitability, sweating, a feeling of heat, fussiness. There are sudden attacks of muscle weakness. A person becomes quarrelsome, suspicious, excessively active. Sleep is disturbed.

The patient develops swelling and darkening of the skin of the upper eyelids, lacrimation, photophobia, a feeling of pressure and "sand" in the eyes, bulging eyes (exophthalmos). With moderate or severe eye damage, there may be a decrease in visual acuity, patients cannot close their eyelids, so damage to the cornea and sclera develops (ulceration, infection).

In some patients, lesions of the skin and subcutaneous fatty tissue develop on the anterior surface of the lower leg - clearly defined seals of a purple-bluish color (erythema nodosum). In men, thickening of the phalanges of the fingers is sometimes noted due to tissue edema.

In connection with the influence of thyroid hormones on the cardiovascular system, patients are concerned about cardiac arrhythmias (tachycardia, extrasystole, atrial fibrillation).

Often there are disorders of the gastrointestinal tract. Even with increased appetite, body weight decreases due to accelerated metabolism. There may be bouts of abdominal pain, vomiting, upset stool, and sometimes constipation. In severe cases, the liver is affected - its increase, soreness, and rarely jaundice are recorded.

Under the influence of provoking factors (stressful situations, physical overstrain, infectious diseases, surgery), a thyrotoxic crisis may occur. As a result of the sudden release into the blood of a large amount of thyroid hormones, patients become restless, the body temperature rises significantly, tachycardia increases sharply, breathing quickens, and blood pressure rises.

In a mild form of thyrotoxicosis, the pulse does not exceed 100 beats per minute, body weight loss is not more than 5 kg, eye symptoms are absent or slightly pronounced. With an average form, the pulse is 100-120 beats per minute, body weight loss is 8-10 kg, pronounced tremor (trembling), an increase in systolic blood pressure and a decrease in diastolic pressure, exophthalmos. A severe form develops with long-existing thyrotoxicosis without treatment. The pulse rate is 120-140 beats per minute, weight loss reaches exhaustion, damage to the cardiovascular system, liver, and adrenal glands is observed.

Diffuse toxic goiter is an autoimmune disease in which antibodies to the structural components of the cells of one's own thyroid gland appear. Antibodies are special immunoglobulin (Ig) proteins that the immune system produces in response to any foreign agent entering the body to fight it. In this case, the immune system recognizes the thyroid tissue as foreign.

These antibodies have a stimulating effect on the thyroid gland, causing its hyperfunction with an increase in the volume, mass of the gland, and, consequently, the concentration of thyroid hormones in the blood. Antibodies are able to overcome the placental barrier and cause neonatal thyrotoxicosis. Therefore, the detection of antibodies in pregnant women is of great importance for the unborn child.

Thyrotoxicosis can be observed against the background of subacute thyroiditis. Subacute thyroiditis (inflammation of the thyroid tissue) occurs as a result of viral disease and proceeds as a typical inflammation. In the period preceding the development of the disease, there may be muscle pain, malaise, subfebrile fever, general weakness, sore throat, fatigue. Then there is moderate to severe pain in the thyroid gland, often radiating to the ears, jaw, or throat. Sometimes there is pain when swallowing and turning the head. The thyroid gland is usually somewhat enlarged, increasing fibrosis of the gland (proliferation of connective tissue) is manifested by an increase in its density.

LITERATURE:

1. Danilova L.I. Autoimmune thyroiditis: treatment regimens and immunorehabilitation: Method. recommendations. - Mn., 1997. - 36 p.
2. Demidchik Yu.E., Gedrevich Z.E., Smychek B.V. etc. Medical rehabilitation of patient's thyroid cancer and approaches to medical and social expertise: Method. recommendations. - Mn., 2000. - 19 p.
3. Zabarovskaya Z.V., Shepelkevich A.V. Iodine deficiency diseases of the thyroid gland: Teaching method. allowance. Minsk: BSMU, 2002. 19 p.
4. Klyachkin L.M. Shchegolkov A.M. Medical rehabilitation of patients with diseases internal organs. - M.: Medicine, 2000. - 328 p.
5. Lipovetsky B.M. Clinical lipidology. - St. Petersburg: Nauka, 2000. - 119 p.

6. Pirmanova, G. (2022). Extracurricular Results in Pandemic Conditions (COVID-19), 1(05), 166–168. Retrieved from <https://inlibrary.uz/index.php/scientific-research-covid-19/article/view/8536>
7. Najmiddinova, K. D. (2022). Improvement of mental health. conference, <https://conferencea.org/index.php/conferenceas/article/view/176>
8. Zukhriddinova, Z. D. (2022). Development central asian journal of natural sciences, <https://doi.org/10.17605/OSF.IO/K76ZT>
9. Алиев М.А. эффективность эндолюмбальной инфузии озона и пирасетама при лечении посттравматических церебральных артериитов <https://research-journal.org/archive/10-41-2015-november/the-effectiveness-of-endolumbal-insufflation-of-ozone-and-pyacetam-in-the-treatment-of-posttraumatic-cerebral-arachnoiditis>
10. Kamalova Y., Sobirova S., Mavlanova Z. therapeutic gymnastics as an important part of facial nerve neuritis rehabilitation //interconf. – 2021. https://ibn.idsi.md/sites/default/files/imag_file/2021.03.6-8-1_Interconf-1.pdf#page=463
11. Mavlyanova Z. F. et al. Correlation of neurological and nutritive status in children with cerebral paralysis //European Journal of Molecular & Clinical Medicine. – 2020. – Т. 7. – №. 2. – С. 2020. https://ejmcm.com/article_2365_10c437813579ff2dfe2d43cda89cbc59.pdf
12. Абдусаломова М. А., Мавлянова З. Ф., Махмудов С. М. оптимизация медико-социальной реабилитации при болезни Дюшенна. https://scientifictext.ru/images/PDF/2019/DNO-11-52/optimizatsiya_1.pdf
13. Mavlyanova Z. et al. Improving the tactics of treating children with severe cerebral palsy //European Journal of Molecular & Clinical Medicine. – 2020. – Т. 7. – №. 2. – С. 2020. https://www.ejmcm.com/article_2366_b8ee379773f1c297c6f9892b076d2d7b.pdf
14. Камалова, Ё., Наимова, Х., Мавлянова, З., & Набиев, З. (2014). физиотерапия при острых респираторных заболеваниях у детей и подростков. журнал проблемы биологии и медицины, (3 (79), 108. извлечено от https://inlibrary.uz/index.php/problems_biology/article/view/5063
15. Камалова Ё А, Джуманов Ж А Значение лечебной гимнастики в комплексе методов физической реабилитации больных остеохондрозом поясничного отдела позвоночника // вестник науки и образования. 2020. №23-3 (101). url: <https://cyberleninka.ru/article/n/znachenie-lechebnoy-gimnastiki-v-komplekse-metodov-fizicheskoy-reabilitatsii-bolnyh-osteohondrozom-poyasnichnogo-otdela>
16. Ablakulova M Kh.Khakimova L R.Abdukhmidova D. Kh.Ahmedova M M <https://media.neliti.com/media/publications/429420-the-need-for-a-prescription-by-family-do-cla1195a.pdf>

17. Шоира Хусинова, Муниса Аблакулова, Лейла Хакимова Процесс рационального назначения лекарственных средств и выбор персонального лекарства в практике ВОП // ОИИ. 2020. №1/S. URL: <https://cyberleninka.ru/article/n/protsess-ratsionalnogo-naznacheniya-lekarstvennyh-sredstv-i-vybor-personalnogo-lekarstva-v-praktike-vop>
18. Лапасов С.Х., Хакимова Л.Р., Аблакулова М.Х., Валиева М.Х. диагностика, лечение и профилактика хронического гепатита б с позиции доказательной медицины // человек и его здоровье. 2015. №3. url: <https://cyberleninka.ru/article/n/diagnostika-lechenie-i-profilaktika-hronicheskogo-gepatita-b-s-pozitsii-dokazatelnoy-meditsiny>
19. Хакимова Л. и др. результаты оценки знаний и навыков слушателей последиplomного медицинского образования посредством использования тестов множественного выбора // медицинское образование сегодня. – 2018. – с. 116. <http://elib.kirovgma.ru/sites/default/files/3-2-pb.pdf#page=116>
20. L.Khakimova, D. Abdukhmidova, M. Akhmedova, & M.Ablakulova. (2022). acne in allergic skin diseases. texas journal of medical science, 8, <https://zienjournals.com/index.php/tjms/article/view/1818>
21. Хусинова, Ш., & Аблакулова, М. (2017). Преддиабет. Журнал проблемы биологии и медицины, (1 (93), 215–217. извлечено от https://inlibrary.uz/index.php/problems_biology/article/view/2968
22. Бурханова г. Л., мавлянова з. Ф., равшанова м. З. Convulsive syndrome in children: tactics of conduct // журнал биомедицины и практики. – 2022. – т. 7. – №. 1. <https://language.tadqiqot.uz/index.php/biomedicine/article/view/4368>
23. Мавлянова з. Ф., ибрагимова м. Ш., тохтиев ж. Б. Изучение морфофункционального статуса и его особенностей у спортсменов, занимающихся курашем // журнал биомедицины и практики. – 2022. – т. 7. – №. 4. <https://tadqiqot.uz/index.php/biomedicine/article/view/5520>
24. Abdusalomova M.A., Mavlyanova Z.F., Khamrakulova F.M., Makhmudov S.M., Ravshanova M.Z. (2021). Children with Birth Trauma of the Cervical Spinal Cord and Spine (Obstetric Plexitis) According to the Age Periods. Annals of the Romanian Society for Cell Biology, 7077–7085. Retrieved from <https://www.annalsofrscb.ro/index.php/journal/article/view/877>
25. Sharafova I. A., Mavlyanova Z. F., Sharipov R.Kh., Khaydarova S. R. (2021). Kinesiotaping: New Look at the Rehabilitation of Facial Nerve Neuropathy in Children. Annals of the Romanian Society for Cell Biology, 4763–4768. Retrieved from <https://www.annalsofrscb.ro/index.php/journal/article/view/1979>
26. Gavkhar N.P, Djumayeva Sh. D, & Khudoyarova D. N. (2022). Modern requirements for specialists of a second foreign language. Conference Zone, 128–132. Retrieved from <http://www.conferencezone.org/index.php/cz/article/view/773>

27. Djumayeva Sh. D. (2022). Linguacultural highlight of English Uzbek plan and portray terms. Conference Zone, 133–138. Retrieved from <http://www.conferencezone.org/index.php/cz/article/view/774>
28. Abdulloh N. IMPROVING THE LEGAL FRAMEWORK FOR EXEMPTION FROM PUNISHMENT AND CRIMINAL LIABILITY <https://doi.org/10.37547/ijlc/> <http://theusajournals.com/index.php/ijlc/article/view/94/90>
29. o'g'li, N. A. U. . (2022). Reforms were Undertaken by the Republic of Uzbekistan to Prevent Desertification and Degradation of Central Asian Lands. Journal of Ethics and Diversity in International Communication, 2(2), 38–42. Retrieved from <https://openaccessjournals.eu/index.php/jedic/article/view/1034>
30. Пирманова Г. Н., Худоярова Д. Н., Джумаева Ш. Д. ИНТЕРАКТИВНЫЕ ФОРМЫ ОБУЧЕНИЯ НА УРОКЕ АНГЛИЙСКОГО ЯЗЫКА КАК СРЕДСТВО ФОРМИРОВАНИЯ КОММУНИКАТИВНОЙ КОМПЕТЕНЦИИ //PEDAGOG. – 2022. – Т. 1. – №. 2. – С. 387-392. <http://bestpublication.org/index.php/pedg/article/view/1186> <http://bestpublication.org/index.php/pedg/article/view/1186/1135>
31. ПИРМАНОВА Г. ЧЕТ ТИЛЛАРИНИ ТУРЛИ ТАМОЙИЛЛАРГА АСОСЛАНГАН ХОЛДА ЎРГАТИШНИНГ АСОСИЙ ХУСУСИЯТЛАРИ ВА ЙЎНАЛИШЛАРИ //Электронный инновационный вестник. – 2021. – №. 8. – С. 33-34. <https://elibrary.ru/item.asp?id=46498979>
32. Пирманова Г. PSYCHOLOGICAL AND PEDAGOGICAL ASPECTS OF THE DEVELOPMENT OF INTELLECTUAL AND CREATIVE ACTIVITY OF TEENAGERS (IN THE STUDY OF HISTORICAL AND CULTURAL MONUMENTS OF ENGLAND) //Scientific Bulletin of Namangan State University. – 2020. – Т. 2. – №. 8. – С. 332-340. <https://scholar.google.com/scholar?cluster=7570921992695001073&hl=en&oi=scholar>
33. Пирманова Г. Н. МОТИВАЦИОННЫЙ ФАКТОР КАК УСЛОВИЕ АКТИВИЗАЦИИ ИНТЕРЕСА К ИЗУЧЕНИЮ СТУДЕНТАМИ АНГЛИЙСКОГО ЯЗЫКА //Педагогические науки. – 2016. – №. 3. – С. 57-58. <https://elibrary.ru/item.asp?id=26597969>
34. Pirmanova G. THE SYSTEM OF EXTRACURRICULAR STUDYING OF ART HERITAGE OF ENGLAND. <https://scholar.archive.org/work/hexbpoyjnbeltkn42yxrop2jeq/access/wayback/http://advancedscience.org/2014/3/034-036.pdf>
35. ПИРМАНОВА Г. CONTENT OF EXTRACURRICULAR STUDIES ON THE STUDY OF HISTORICAL AND CULTURAL MONUMENTS IN ENGLAND //CLASSROOM MANAGEMENT STRATEGIES AND EFFECTIVE USAGE OF TEACHER INTERVENTIONS. [https://science.nuu.uz/admin/pdf/Uzmu-121-2020\(2-bolim\).pdf#page=110](https://science.nuu.uz/admin/pdf/Uzmu-121-2020(2-bolim).pdf#page=110)

36. Пирманова Г. Н. Исследование культурологической проблемы в процессе обучения английскому языку //Актуальные проблемы современной науки. – 2014. – №. 2. – С. 101-104. <https://elibrary.ru/item.asp?id=21297472>