

CHARACTERISTICS OF DIABETES DISEASE AND CLINICAL TRANSITION PROCESS

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Abstract: In this article. Diseases of the endocrine glands and metabolic disorders, including diabetes, are detailed.

Key words: diabetes, thyroid diseases, clinical, metabolic, polyphagia, mental disorder, hyperglycemia

Diabetes is a metabolic disease in which the body's ability to store or burn glucose is lost. Due to this, unused sugar accumulates in the blood and hyperkalemia occurs. Then sugar drops from the blood into the urine and glycosuria is observed.

Etiology. Diabetes occurs when the pancreas does not produce enough of the hormone insulin. The islets of Langerhans of the pancreas produce not only insulin, but also lipocaine, which plays an important role in lipid metabolism, and glucagon, which reduces the production of insulin. The pancreas is controlled by the central nervous system. Nervous mental disorders (fear, long-term anxiety) can also cause the development of diabetes. Hereditary predisposition plays a certain role in the origin of the disease. Eating too much food, especially long-term consumption of sugar in large quantities, causes exhaustion of the insular apparatus, which plays a major role in the development of diabetes.

Clinical picture. In diabetes, the patient is very thirsty, drinks a lot of water (polydipsia), often urinates (polyuria, up to 10-15 liters), as well as frequent bowel movements (polyphagia), impotence in women, often genitals itching, weight loss and sleepiness after eating. As a result of increased metabolic processes, patients complain of weakness, reduced work capacity, and very slow healing of wounds. Increased metabolic disturbances later lead to flatulence, loss of appetite and nausea, even vomiting. Due to atherosclerosis (microangiopathy) in large blood vessels, the patient complains of pain in the heart and left arm and left shoulder. Various colors appear around the eyes and the eyes become cloudy. The results of the laboratory analysis are the appearance of blood in the urine, an increase in the relative density of urine, an increase in the amount of sugar in the blood (hyperglycemia). The disease is divided into 3 levels depending on the severity. Light, medium, heavy. An increase in the

amount of carbohydrates in the blood and their appearance in the urine is typical for the mild level of the disease. At the average level, the patient is prone to diabetes, he complains about the complaints listed above, the amount of sugar in the blood increases, and sugar is always present in the urine. In the severe form of diabetes, patients lose their ability to work. Diabetic coma develops due to poisoning of the body with ketone bodies and acidosis. Clinical picture of hypoglycemic coma. Sudden weakness, which usually occurs 1-2 hours after insulin injection, is profuse sweating, tremors, fever, dizziness, headache, rapid heart rate, hunger, color o 'chishi' is one of the main symptoms of hypoglycemia.

Diabetes treatment. Since diabetes is caused by a lack of insulin in the body, insulin is injected into the body to treat the disease. Diet is also prescribed for any type of disease. When the pain is mild, patients are treated only with diet. When the disease is moderate or severe, insulin and sugar-lowering drugs are prescribed. Carbohydrate consumption is limited, easily digestible carbohydrates are completely excluded. Sufficient proteins and fats are recommended (9 diet meals). Approximately 50% of carbohydrates, 20% of proteins and 30% of fats are in the daily diet. If the patient is obese, the amount of calories is reduced. Since diet is one of the most important treatment measures, it is necessary to control it.

References:

1. Erkinov Ilkhom Erkin Ogli. (2023). Life Safety and Civil Protection in Natural Emergencies. Eurasian Research Bulletin, Volume 17|February, ISSN: 2795-7365, 188-190.
2. Erkinov Ilxom Erkin o'gli: "Farmatsevtika muassasalarida sodir bo'ladigan baxtsiz xodisalar va kasb kasalliklarni o'rganish, hisobga olish tartibi"-HAVO HUYUMIDAN MUDOFAA QO'SHINLARI VA HARBIY HAVO KUCHLARI XABARNOMASI ILMIY-AXBOROT JURNALI. TAHRIRIYAT MANZILI: 180117, Qarshi shaxri, Jayxun kuchasi 54 uy O.,R OHABYu Ilmiy-uslubiy bo'limi. 1(2) 2022 y, 7-11 bet;
3. Эркинов И.Э. "Организация системы управления безопасностью деятельности в производственных учреждениях (компаниях)". HAVO HUYUMIDAN MUDOFAA QO'SHINLARI VA HARBIY HAVO KUCHLARI XABARNOMASI ILMIY-AXBOROT JURNALI. TAHRIRIYAT MANZILI: 180117, Qarshi shaxri, Jayxun kuchasi 54 uy O.,R OHABYu Ilmiy-uslubiy bo'limi. 1(3) 2022 y. 56- bet.
4. Erkinov Ilkhom Erkin-coals, Lutfillaev Mirzohid Salokhitdinovich Samarkand State Medical Institute,Samarkand, Uzbekistan. BASIC PRINCIPLES OF THE ORGANIZATION STUDIES AT THE UNIVERSITY. World Bulletin of Management and Law (WBML) Available Online at:

<https://www.scholarexpress.net> Volume-7, February-2022 ISSN: 2749-3601. 95-96 bet.

5. Эркинов Илхом Эркин ўғли, БДК 2022. ҲАЁТ ФАОЛИЯТИ ХАВФСИЗЛИГИ АСОСЛАРИ” ҚОИДАЛАРИНИ ЎҚИТИШНИНГ САМАРАДОРЛИГИ ВА АҲАМИЯТИ. JOURNAL OF EXERCISE PHYSIOLOGY.2(ISSN1097-9751),393-397.
https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=JO8jN4QAAAAAJ&citation_for_view=JO8jN4QAAAAAJ:zYLM7Y9cAGgC
6. Erkinov Ilhom Erkin o'gli: <https://www.scholarexpress.net>
7. Erkinov Ilhom Erkin o'gli: <https://doi.org/10.5281/zenodo.7213946>
8. Makhmudov Atamurod Khoshimovich. In Technogenic and Environmental Emergencies Specific Aspects of Protecting the Population. Genius Journals Publishing Group, Brussels, Belgium Volume 17|February, 2023. ISSN: 2795-736
9. Махмудов Отамурод Хошимович. (2023). ЖАМОАТ ХАВФСИЗЛИГИ ТУШУНЧАСИ ВА ЎЗИГА ХОС МАЗМУН МОХИЯТИ. Tadqiqotlar, 7(1), 167–174. Retrieved from <http://tadqiqotlar.uz/index.php/01/article/view/205>
10. Makhmudov Otamurod Xoshimovich. Misirova Nozigul Baxodir qizi. FAVQULODDA VAZIYATLARDA INSON HAYOTI XAVFSIZLIGINI TA'MINLASHNING AMALIY ASOS VA KOR'SATMALARI. Analytical Journal of Education and Development. Volume: 03 Issue: 05 | May-2023 ISSN: 2181-2624www.sciencebox.uz.
<http://sciencebox.uz/index.php/ajed/article/view/6944>