



METHODS TO PREVENT SIDE EFFECTS OF DIABETES MELLITUS IN SICK PATIENTS WITH TYPE 2 DIABETES

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Annotation: This study presents the findings of an assessment aimed at gauging the awareness level of socially important effects of diabetes among patients with type 2 diabetes mellitus. The research also includes an investigation into the accessibility of food products specifically designed for diabetic patients in both pharmacies and grocery stores. By examining these critical aspects, the research sheds light on the degree to which individuals with type 2 diabetes are informed about the societal impact of their condition and the availability of essential dietary resources tailored to their needs. The results of this assessment contribute valuable insights for improving the support and resources available to individuals living with diabetes.

Key words: diabetes, social population, effects of diabetes, rehabilitation

Relevance: The concept of socially significant diseases includes a number of illnesses that create the greatest threat to the well-being of the country's population. Socially significant diseases cause great damage to society, which requires large costs for temporary and permanent disability, treatment and rehabilitation of such patients.

The social significance of these diseases requires an effective prevention. According to the No. 715 of December 1, 2004 by the law decision of the Government, Republic of Uzbekistan included diabetes to the list of socially significant diseases. The number of patients with diabetes in the world has exceeded 366 million. The number of patients every year is increasing to 5-7% and doubling every 10 years. If the occurrence of diabetes continues to increase in this way, it is estimated that by 2030, 552 million people will have diabetes. People with diabetes mostly develop different early and late symptoms. In order to avoid these symptoms, various rehabilitation measures are being organized. It is important to minimize the impact on the development of the disease by informing the population about the risk factors and side effects in the prevention of diabetes.

The purpose of the study: to obtain information about diabetes in the elderly.

Materials and methods. To achieve this goal, we developed a questionnaire containing various questions about the causes, symptoms, side effects and consequences of this disease. 104 people aged 45 to 83 took part in the survey. When evaluating the results, survey participants were divided into two age subgroups: the first group was participants aged 45-65 years, the second - 65 years and older.

Results. According to the results of the survey, it was found that most of the representatives of both groups do not clearly know the concept of "socially significant diseases". The majority of subgroups I and II, who participated in survey, consider that tuberculosis (70.25% and 53.7%, respectively) and diabetes (52.5% and 80.3%) are socially significant diseases. Almost the same number of participants showed hepatitis B and C (35.2%

and 33.75%) and infectious diseases (22.5% and 20.2%). I-minor, who participated in the survey, 25% of group participants chose socially significant diseases wrongly, only 7% of the participants of subgroup II select the correct option. The results also differed in the choice of "myocardial infarction" disease: 50.5% of participants in group I and 33.7% in group II. Such results are quite understandable: the majority of those questioned by us are about occurrence and spread of the socially significant diseases, depended on socio-economic conditions diseases, additionally, they can understand various diseases such as tuberculosis, infectious disease, myocardial infarction, which are common or especially dangerous.

All survey participants are familiar with diabetes. Half of the participants (47.5% and 60.3%) were never told that they were prone to this disease.

When answering the question about the possible causes of diabetes in people, most of the participants of subgroup I (62.5%) had difficulty in answering and naming them, while 67.5% of participants of subgroup II indicated the most important causes. Among them, there were obesity, stress, excess sugar in food, bad ecology and others.

Most of the participants (80.25% and 90.7% in the first and second groups, respectively) were able to name the symptoms of diabetes. Among them, the most common responses were dry mouth, thirst and increased blood glucose levels.

It was found that some of the participants (about 50% of subgroup 2 and about 8% of subgroup 1) confuse the concept of the cause, symptoms and side effects of the disease. We can connect that we attribute it to the fact that there were no explanatory conversations that would help to differentiate before filling out the questionnaires. In addition, it mainly indicated that the participants of subgroup II who do not have a clear understanding of the disease and its consequences and it makes necessary to have conversations with the elderly in the form of educational in order to prevent the side effects of diabetes.

According to the results of the study, most of the participants stated that they try to eat sweets as little as possible: I-small 42.5% in group and 67.5% in subgroup II. The rest did not limit themselves to sweets or struggled to give a clear answer.

More than 2/3 of the participants in subgroup I and 53.7% of subgroup II are aware of the existence of preventive diets. At the same time, half of the participants do not limit themselves with food in any way, and the other half try not to eat fatty, sweet foods or eats everything, but slowly. 60% of all survey participants are aware of the availability of special diets for people with diabetes. More than 80% do not use a sugar substitute in their diet.

The majority of subgroup I (70.3%) and subgroup II (60.8%) do not include products containing fructose instead of sucrose and 30% of the participants of both subgroups with the disease could not answer accurately.

When answering the question about the possible consequences and side effects of diabetes, 62.5% of participants in subgroup 1 and 53.2% of subgroup 2 illustrated decrease in the problems associated with visual acuity, heart attack, stroke, leg diseases, memory and attention, and leg diseases were in the first place.

Along with the survey, we monitored the availability of food products intended for patients with diabetes in pharmacies and grocery stores.

This part of the study was supposed to show how convenient this group of products is for the population. As a result of the conducted monitoring, it was found that the assortment of products intended for people with diabetes is presented more in the chain of pharmacies, but not all pharmacies are engaged in the purchase and sale of these products.

In grocery stores, this group of food products, with rare exceptions, is almost not presented. Residents can buy them only in large shopping centers. The most common were products such as various flavored fructoses, sugar-free cookies, fructose chocolate, fructose sweets, various syrups, sugar substitutes, and halwa. The price of these products is not much higher than the price of sugar-containing analogues.

Summary. Thus, according to the results of the study, we can conclude that almost half of the population of the age "at risk" for the development of side effects of diabetes is not familiar with the risk factors for the development of side effects of this disease and, as a result, preventive measures. Due to the high social importance of the disease, it is necessary to increase the awareness of the population about the causes and initial symptoms of the development of diabetes and to explain about rehabilitation measures before the early side effects of the disease occur, which in turn reduces the risk of late side effects.

References:

1. Бардымова Е.В. Социально-гигиенические аспекты профилактики сахарного диабета 2 типа в современных условиях. Сибирский медицинский журнал. 2007; (6): 64-66.
2. Дедов И.В., Шестакова М.В., Сунцов Ю.И. и др. Результаты реализации подпрограммы «Сахарный диабет» федеральной целевой программы «Предупреждение и борьба с социально значимыми заболеваниями 2007-2012 годы». Сахарный диабет. 2013; ^):2-48.
3. ГТ, Э., & Саидова, Л. Б. (2022). СОВЕРШЕНСТВОВАНИЕ РЕАБИЛИТАЦИОННО-ВОССТАНОВИТЕЛЬНЫХ КРИТЕРИЕВ БОЛЬНЫХ С СД-2 ТИПА. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 2(12), 206-209.
4. Ergasheva, G. T. (2022). QANDLI DIABET BILAN KASALLANGANLARDA REABILITATSIYA MEZONLARINI TAKOMILASHTIRISH. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 2(12), 335-337.
5. Saidova, L. B., & Ergashev, G. T. (2022). Improvement of rehabilitation and rehabilitation criteria for patients with type 2 diabetes.
6. Саидова Л.Б., Комилжонова О.О. Патологическое течение гипотиреоза в климактерическом период в йододефицитной зоне Узбекистана//International Conference Science and Education/Uluslararası konferans bilim ve eğ'itim//-2021-15may-49b.
7. Саидова Л.Б., Комилжонова О.О. Патологическое течение гипотиреоза в Ташкентской Медицинской Академии//-2021-С.-124.
8. Саидова Л.Б.,Эргашева Г.Т.Совершенствование реабилитационно-восстановительных критериев больных с СД-2 типа и постковидном периоде. Современная медицина Традиции и инновации-2022-25-ноября-С.-229-231.
- 9.Narzulaeva, U. R. (2023). ETIOPATHOGENESIS OF HEMOLYTIC ANEMIA. Web of Medicine: Journal of Medicine, Practice and Nursing, 1(1), 1-4.
- 10.Абдуллаев, Р. Б., Халматова, Н. М., & Маткаримова, Д. С. (2011). Некоторые особенности патогенетического течения иммунного микротромбоваскулита и тромбоцитопатии у допризывников, проживающих в зоне Южного Приаралья. Журнал «Бюллетень Ассоциации врачей Узбекистана». Ташкент, (1), 17-20.

- 11.Ахмедова, М. (2020). НАРУШЕНИЯ ЭНДОТЕЛИАЛЬНОЙ ФУНКЦИИ ПРИ РАЗВИТИИ АФТОЗНОГО СТОМАТИТА. Достижения науки и образования, (18 (72)), 65-69.
- 12.Bakhshullayevich, T. B., & Shaxina, S. (2022). Classification of Enzymes. EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY, 2(5), 37-39.
- 13.Obidovna, D. Z., & Sulaimonovich, D. S. (2023). Influence of the Mode of Work and Recreation of the Student's Health. INTERNATIONAL JOURNAL OF HEALTH SYSTEMS AND MEDICAL SCIENCES, 2(3), 3-5.
- 14.Obidovna, D. Z., & Sulaymonovich, D. S. (2023). Forming a Healthy Lifestyle for Students on the Example of the Volleyball Section in Universities. EUROPEAN JOURNAL OF INNOVATION IN NONFORMAL EDUCATION, 3(3), 22-25.
- 15.Irgashev, I. E. (2023). RESPIRATORY DISTRESS SYNDROME. Horizon: Journal of Humanity and Artificial Intelligence, 2(5), 587-589. Retrieved from <https://univerpubl.com/index.php/horizon/article/view/1726>
- 16.Obidovna, D. Z., & Sulaymonovich, D. S. (2022). Physical activity and its impact on human health and longevity. Достижения науки и образования, (2 (82)), 120-126.
- 17.Obidovna, D. Z., & Sulaymonovich, D. S. (2022). THE CONCEPT OF "HEALTHY LIFESTYLE" IN PSYCHOLOGICAL RESEARCH. ResearchJet Journal of Analysis and Inventions, 3(06), 53-64.
- 18.Jo'rayev, S., & Djalilova, Z. (2022). NEUROLOGICAL STATUS OF CHILDREN WITH INTRAUTERINE DEVELOPMENTAL DELAY. International Bulletin of Medical Sciences and Clinical Research, 2(9), 34-37.
- 19.Azamat o'g'li, A. A. (2023). KANAKUNJUT O 'SIMLIGINING DORIVOR XUSUSIYATLARI. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 3(5), 200-202.
- 20.Hazratova, D. (2023). ORGANIK KIMYODA "ALKANLARNING TUZILISHI VA IZOMERIYASI" MAVZUSINI OQITISHDA ZAMONAVIY KIMYOVIY KOMPYUTER DASTURLARIDAN FOYDALANISH. ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu. uz), 38(38).
- 21.Toxirov, B. B., Tagaeva, M. B., & Shukurova, S. (2023). Obtaining stabilized enzymes and their application in the food industry. Science and Education, 4(4), 529-537. Retrieved from <https://openscience.uz/index.php/sciedu/article/view/5560>
- 22.Irgashev, I. E. (2022). COVID-19 BILAN KASALLANGAN BEMORLARDA ANTIKAOGULYANT TERAPIYANING YANGICHA TAMOILLARI. BARQARORLIK VA YETAKCHI TADQIQOTLAR ONLAYN ILMIY JURNALI, 2(12), 462-466.
- 23.Джалилова, З. (2023). The notion of illocution in the theory of speech acts by John Austin. Современные тенденции при обучении иностранному языку в XXI веке, 1(1).
- 24.Azamat ogli, A. A., & A'zamovna, H. D. (2022). МАКТАВ OQUVCHILARIDA KIMYO FANINI OQITISHDA INTERFAOL METODLARDAN FOYDALANISHNING TALIM SAMARADORLIGIGA TA'SIRI. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 2(3), 152-155.
- 25.Azamat ogli, A. A., & Shahribonu, B. (2023). BOIKIMYO FANIDA CHEM OFFICE DASTURLARIDAN FOYDALANISH. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 3(3), 272-274.
- 26.Irgashev, I. E. (2022). New Principles of Anticoagulant Therapy in Patients with Covid-19. Research Journal of Trauma and Disability Studies, 1(12), 15-19. Retrieved from <http://journals.academiczone.net/index.php/rjtds/article/view/467>
- 27.Хафизова, М. Н. КРИТЕРИИ ОБУЧЕНИЯ ПРОФЕССИОНАЛЬНО-ОРИЕНТИРОВАННОЙ КОМПЕТЕНЦИИ.



- 28.Rakhmatova, D. B., & Zikrillaev, F. A. (2022). DETERMINE THE VALUE OF RISK FACTORS FOR MYOCARDIAL INFARCTION. FAN, TA'LIM, MADANIYAT VA INNOVATSIYA, 1(4), 23-28.
- 29.Kazakova, N. N., & Sh, S. D. (2022). Evaluation of the prevalence and intensity of caries in children with rheumatism. INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT, ENGINEERING AND SOCIAL SCIENCES ISSN: 2349-7793 Impact Factor: 6.876, 16(5), 156-160.
- 30.Togaydullaeva, D. D. (2022). ARTERIAL GIPERTONIYA BOR BEMORLARDA KOMORBIDLIK UCHRASHI. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 2(11), 32-35.
- 31.Togaydullaeva, D. D. (2022). Erkaklarda yurak ishemik kasalligining kechishida metabolik sindrom komponentlarining ta'siri. Fan, ta'lim, madaniyat va innovatsiya, 1(4), 29-34.
- 32.Gafurovna, A. N., Xalimovich, M. N., & Komilovich, E. B. Z. (2023). KLIMAKTERIK YOSHDAGI AYOLLARDA ARTERIAL GIPERTENZIYANING KECHISHI. ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ, 23(6), 26-31.
- 33.Numonova, A., & Narzulayeva, U. (2023). EPIDEMIOLOGY AND ETIOPATHOGENESIS OF CHF. Наука и инновация, 1(15), 115-119.
- 34.Axmedova, M. (2023). THE IMPACT OF SOCIOCULTURAL FACTORS ON THE PERVASIVENESS OF DENTAL CARIES AS A COMPLEX HEALTH CONDITION IN CONTEMPORARY SOCIETY. International Bulletin of Medical Sciences and Clinical Research, 3(9), 24-28.
- 35.Qobilovna, A. M. (2023). COMMUNICATIVE COMPETENCE AS A FACTOR OF TEACHER'S PROFESSIONAL COMPETENCY. American Journal Of Social Sciences And Humanity Research, 3(09), 32-44.
- 36.Olimova N. I. Analysis of the somatic and reproductive history of women with genital inflammatory diseases due to HIV infection //Актуальные вопросы экспериментальной микробиологии: теория. –2022. –Т. 1. –No. 2. –С. 30.
- 37.Olimova N. I. Results of the study of women's immune system in infectious diseases of small belly organs // World Bulletin of Public Health // . –2022. –P. 87-92.
- 38.Olimova N. I. Cytokine status in hiv infected women with inflammatory diseases of the genitals // International Engineering Journal For Research & Development // . –2020. –P. 5-5.

