# MODERN STATE OF THE DEVELOPMENT OF MEDICAL DIAGNOSIS BASED ON INFORMATION AND COMMUNICATION TECHNOLOGIES

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**Abstract**

In modern medicine, the transition to information technology (IT) provides a number of new opportunities and connection to the digital diagnostic system. This increases the quality of service, shortens examination time, increases the accuracy of diagnosis, creates opportunities for remote consultation, research, remote processing of primary data, and ensures long-term storage of patient information in digital form.

**Keywords:** quality of service, remote consultation, research.

In recent times , the creation of decision-making systems (DMS) has been developed, and information and computer technologies are widely used in this. There are different types of EQQQT, and they can be divided into the following types according to the field of use: a) in clinical practice, in this case they are called consultants, but they can be called more precisely assistants; b) in learning and improving skills (testing, debating, opposing); c) in scientific research (to solve the problem of situation analysis and assessment).

EQQQT should perform the following tasks in the medical field:

- in case of a large number of nosological forms, selection of differential diagnosis and treatment measures;

- choosing an effective solution regardless of the clinical appearance of the disease, taking into account that the initial symptoms of the disease influence the diagnosis;

- taking into account the patient's other medical background is important for the correct treatment;

- analysis of the prognosis of adverse events that may arise from the dynamics of the pathological process (adverse effects of ongoing therapy and medications);

- assessment of the patient's condition in real time can be achieved by activating logic computing systems based on information from the monitor-equipment complex.

Currently, many EDs are being created in the form of intellectual EDs, that is, they are created based on the knowledge of experts or information from the literature, as well as information obtained from the database of disease history. If the intellectual EQQQT is based on the knowledge of the majority of experts, it can be used in the virtual organization of the council of doctors.

The practical significance of EQQQT is its effectiveness in the following various limitations:

- lack of time to make a decision, which is very important in urgent and emergency situations;

- incompleteness of the clinical picture and medical anamnesis data, usually this situation is common in the work of an emergency medical doctor;

- inaccuracies in the data, which cannot be clarified by the doctor, but in these cases it may be necessary to use fuzzy logic methods;

- when additional tests are required on the criteria of diagnostic efficiency and the possibilities of its implementation (indicating the level of danger to the patient's life).

Despite the fact that individual parts of the above-mentioned directions have been reflected in one form or another in the EQQQT, they have not been reflected in the level of acceptance of generalized solutions in practice. Nevertheless, each of the actions in this direction is important for the development of all types of EQQQT.

**REFERENCES**

1. V. _ Druzhinina " Psychology ". Textbook . " Peter ", 2003.

2. V.M Karimova Psychological technique of organizing controversial lessons in the auditorium.- T. , 2000

3.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

4.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

5.Ubaydulloh o'g'li N. A. 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. – 2022. – T. 2. – №. 2. – C. 38-42. http://openaccessjournals.eu/index.php/jedic/article/view/1034

6. Pirmanova, G. (2022). Extracurricular study of world monuments culture - historical and cultural architectural english heritage . Scientific Research 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.Pirmanova, G. N., Yarkulovna, S. S., Najmiddinovna, K. D., Mustafakulovich, I. A., & Shavkatovna, J. N. (2021). https://doi.org/10.21744/lingcure.v5nS2.1716 https://media.neliti.com/media/publications/507798-extracurricular-classes-on-the-study-of-48af7bd6.pdf

8.Pulatov F A, Amanova N F, Amanova F F. (2022). cultural linguistics as the main direction of modern linguistics. British view issn 2041-3963, volume 7(issue 1 2022), 152–161. https://doi.org/10.5281/zenodo.6673999

9.Pirmanova G. N. et al. Extracurricular classes on the study of historical and cultural monuments of England //Linguistics and Culture Review. – 2021. – T. 5. – №. S2. – C. 1366-1372. https://lingcure.org/index.php/journal/article/download/1716/614 https://lingcure.org/index.php/journal/article/view/1716

10.Amanova N.F Amanova F.F . innovative activity in the field of tourism. euro-asia conferences, 1(1), 308–309. retrieved from http://papers.euroasiaconference.com/index.php/eac/article/view/97

11.Amanova N.F Amanova F.F (2022) Malum bir maqsadga qaratilgan va maxsuslashgan til.https://conf.iscience.uz/index.php/yumti/article/view/118/110

12.Amanova N, and Amanova F. "problems of quality of distance learning online." ta'lim va rivojlanish tahlili onlayn ilmiy jurnali (2022): 89-91. http://sciencebox.uz/index.php/ajed/article/view/1515/1403

13.Normuradova N, and Amanova N. "teaching english language for medical purposes in higher school." https://eprajournals.com/jpanel/upload/1206am_41.EPRA%20JOURNALS-2147.pdf

14.Amanova N.F. "active teaching strategies in higher education." academicia: an international multidisciplinary research journal 11.10 (2021): 150-152.

academicia: an international multidisciplinary Research Journal https://doi.org/10.5958/2249-7137.2021.02068.1

15. Pulatov F A. (2022). the importance of tourism. conference zone, retrieved from http://conferencezone.org/index.php/cz/article/view/147

16. Furkatovna, A. N., & Furkatovna, A. F. (2021, January). innovative activity in the field of tourism. in euro-asia conferences http://papers.euroasiaconference.com/index.php/eac/article/view/97

17. Furkatovna A. N., Furkatovna A. F. problems of quality of distance learning online //таълим ва ривожланиш таҳлили онлайн илмий журнали. – 2022. – С. 89-91. http://www.sciencebox.uz/index.php/ajed/article/view/1515/1403 http://www.sciencebox.uz/index.php/ajed/article/view/1515

18. .Н.Ф Аманова. О роли контекста при выделении односоставных предложении страны. языки. культура: сборник материалов xi-й международной научно-практической конференции/ 2020https://kpfu.ru/staff_files/F312709112/SBORNIK_MATERIALOV_NPK_ 2020__1___1_.pdf#page=43

19. Farangiz F. A. problems of quality of distance learning online // scientific progress. 2021. №2. url: https://cyberleninka.ru/article/n/problems-of-quality-of-distance-learning-online http://scientificprogress.uz/storage/app/media/2-2.%20262.%201506-1508.pdf

20. Farangiz F A use of modern information technologies in teaching foreign languages // scientific progress. 2021. №6. URL: https://cyberleninka.ru/article/n/use-of-modern-information-technologies-in-teaching-foreign-languages-1

21. Farangiz F A employees as an integral part of the tourism product // scientific progress. 2021. №2. URL: https://cyberleninka.ru/article/n/employees-as-an-integral-part-of-the-tourism-product http://scientificprogress.uz/storage/app/media/2-2.%20259.%201496-1498.pdf

22. Zukhriddinovna, Z. D. (2022). Development central asian journal of natural sciences, https://doi.org/10.17605/OSF.IO/K76ZT

23. Zuxridinovna, J. D. (2022). central asian journal of natural sciences, retrieved from https://cajmns.centralasianstudies.org/index.php/CAJMNS/article/view/737

25. Z. , Z. D. (2022).. central asian journal of natural sciences, https://doi.org/10.17605/OSF.IO/SYA5K

26. Pirmanova, G. (2022). Extracurricular study of world monuments culture - historical and cultural architectural english heritage . Scientific Research Results

in Pandemic Conditions (COVID-19), 1(05), 166–168. Retrieved from https://inlibrary.uz/index.php/scientific-research-covid-19/article/view/8536

27.Najmiddinovna, K. D. (2022). Improvement of mental and inventive action of young people within the consider of verifiable and social landmarks of britain. confrencea, https://confrencea.org/index.php/confrenceas/article/view/176

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 ҲОЛДА 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=scholarr

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/hexbpoyjnbeltnk42yxrop2jeq/access/wayback/httip://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

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

37. Пирманова Г. Н. Педагогическая система внеаудиторного изучения студентами художественного наследия Англии как средство активизации интереса к английскому языку //Вопросы гуманитарных наук. – 2014. – №. 2. – С. 61-66. https://elibrary.ru/item.asp?id=21273465