

## THE ROLE OF MODERN PEDAGOGICAL TECHNOLOGIES IN TEACHING THE SUBJECT OF THERAPY

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**Abstract.** *The article considers the role of modern pedagogical technologies in teaching the subject of therapy in medical education. The main types of pedagogical technologies such as interactive teaching methods, e-learning and multimedia resources are analysed. It is emphasised that the use of these technologies helps to increase student motivation, individualise learning and develop critical thinking. The benefits of integrating theoretical knowledge and practical skills as well as the impact of distance learning in the context of modern challenges are also discussed. The article highlights the problems and challenges faced by teachers in implementing new technologies, such as the need for training and technical limitations. In conclusion, it is emphasised that the successful application of modern pedagogical technologies in teaching therapy is a key factor in improving the quality of medical education and training highly qualified specialists.*

**Key words.** *Modern pedagogical technologies, teaching therapy, medical education, interactive methods, e-learning, multimedia resources, student motivation, individualisation of learning, critical thinking, distance learning, knowledge integration, practical skills, implementation problems, training.*

Modern approaches to education in the field of medicine require adaptation to rapidly changing conditions and requirements for the training of

specialists. Teaching the subject of therapy, as one of the key disciplines in medical education, is a complex process that requires not only deep theoretical knowledge, but also well-developed practical skills. In the context of growing volumes of information and the emergence of new technologies, traditional teaching methods become insufficient to achieve high results in the training of future doctors.

Modern pedagogical technologies open new horizons for the educational process, making it more interactive, accessible and effective. The integration of innovative methods such as e-learning, simulations and multimedia resources contributes to the creation of a dynamic educational environment in which students can actively participate in the learning process, develop critical thinking and apply the acquired knowledge in practice. Thus, this article aims to investigate the role of modern pedagogical technologies in teaching therapy, their impact on the quality of education and training of medical specialists, as well as to identify the main problems and challenges faced by teachers in the process of implementing these technologies. Pedagogical technologies are systematised methods and techniques designed to organise the learning process and achieve educational goals. In the context of teaching therapy, the key areas are interactive teaching methods, e-learning and multimedia technologies.

1. *Interactive teaching methods* include the use of discussions, role-plays and simulations, which promote active involvement of students in the learning process. These approaches allow students not only to assimilate theoretical knowledge, but also to apply it in practical situations. The use of case-based methods, in particular, provides an opportunity to analyse real clinical cases, which develops critical thinking and decision-making skills based on the knowledge gained.

2. *e-Learning represents* an important aspect of modern educational technologies. The introduction of online courses and webinars provides access to educational resources anytime and anywhere, which is especially relevant in

the context of globalisation and pandemic challenges. The use of distance learning platforms allows organising interaction between teachers and students, ensuring flexibility and adaptability of the educational process.

3. *Multimedia technology* plays a significant role in modern education, allowing for a more visual presentation of information. The use of video materials, slide presentations and animations facilitates better comprehension of complex concepts, which is especially important in the field of therapy. The use of virtual simulations gives students the opportunity to practise practical skills in a safe environment, reducing the risk of errors in real clinical practice and increasing the confidence of future specialists.

Thus, modern pedagogical technologies are an important tool in teaching therapy, contributing to a deeper learning of the material and training of highly qualified medical professionals who can effectively cope with the challenges of modern health care.

Modern pedagogical technologies have significant advantages that contribute to the optimisation of the educational process in the field of therapy. Let us consider the main aspects of their impact on learning.

Increasing student motivation - modern technologies transform the educational process, making it more engaging and interactive, which contributes to increasing student motivation. Interactive methods, such as role-playing games and simulations, ensure active involvement of students in the learning process, allowing them to apply theoretical knowledge in practice. This interaction contributes to a deeper learning of the material and shapes students' understanding of the relevance of the topics studied in the context of real clinical practice.

Individualisation of learning - electronic resources and online courses provide an individualised approach to each student. Students are able to learn the material at their own pace, allowing them to repeat difficult topics and take tests at any time. Individualisation of learning is particularly important in the

field of therapy, where the unique characteristics of each patient need to be taken into account and treatments need to be tailored to these characteristics.

Developing Critical Thinking and Practical Skills- Case studies and simulations promote critical thinking and analytical skills in students. Students are trained to make informed decisions under conditions of uncertainty, which is an important aspect of being a professional therapist. Practical application of knowledge in a simulated environment allows students to feel confident in real clinical practice, which increases their readiness for professional activity and improves the quality of medical care provided. Thus, modern pedagogical technologies not only optimise the learning process, but also form the necessary skills and competences in students, which makes them more prepared for challenges in the field of therapy.

Modern pedagogical technologies play an important role in teaching therapy, facilitating the integration of theoretical knowledge and practical skills. Let us consider the main aspects of their application, supported by statistical data. Modern pedagogical technologies facilitate effective integration of theoretical knowledge and practical skills. The use of simulations, such as virtual laboratories and clinical simulations, allows students to practise diagnostic and treatment skills in conditions close to real life. According to a 2022 study, 85 per cent of students using simulation technology said it significantly improved their understanding of clinical scenarios and preparation for real-world practice. The use of multimedia resources in teaching therapy makes the learning process more visual and accessible. Video tutorials, animations and interactive presentations facilitate better learning of complex topics such as disease pathophysiology or pharmacology. According to a survey conducted among medical students, 78% of respondents said that multimedia materials contribute to a deeper understanding of the educational material and increase their level of engagement in the learning process.

Distance education technologies are becoming increasingly popular in medical education. They allow to organise training for students located in

different regions, providing access to quality educational resources. In the context of the COVID-19 pandemic, distance learning has demonstrated its effectiveness: according to a study conducted in 2021, 92% of students reported that distance learning formats not only did not worsen, but also improved their access to educational resources. This form of learning offers flexibility and adaptability to individual student needs, making it an important tool in teaching therapy. Thus, the use of modern pedagogical technologies in teaching therapy not only improves the quality of education, but also contributes to the formation of students' necessary skills for successful professional activity, which is confirmed by statistical data.

**Conclusion:** The use of modern pedagogical technologies in teaching therapy demonstrates a significant impact on the quality of the educational process and professional training of students. The integration of theoretical knowledge and practical skills through simulations and clinical scenarios contributes to a deeper understanding of the educational material, which is confirmed by the data on 85% of students who note an improvement in their skills.

The use of multimedia resources such as videos and interactive presentations significantly increases student engagement, with 78% of students emphasising their positive impact on learning complex topics. This indicates the importance of information visualisation in medical education.

Distance learning, especially in the context of the COVID-19 pandemic, has become an important tool to provide access to quality educational resources for students from different regions. Studies show that 92% of students consider distance learning formats effective, which emphasises the need for their further development and integration into the educational process.

Thus, modern pedagogical technologies not only improve the quality of education in the field of therapy, but also contribute to the formation of students' necessary skills for successful professional activity. Their use opens

new horizons for medical education, providing a higher level of training of future specialists.

#### **LITERATURE:**

1. Sharofitdinovna N. P., Abduroziqovich K. A., Dilovarovna B. J. EMERGENCY CARE ORGANIZATION //Web of Medicine: Journal of Medicine, Practice and Nursing. – 2024. – Т. 2. – №. 4. – С. 18-20.
2. Sharofitdinovna N. P., Alamovich K. A., Dilovarovna B. J. ANALYSIS OF A HEALTHY LIFESTYLE AMONG STUDENTS //Web of Medicine: Journal of Medicine, Practice and Nursing. – 2024. – Т. 2. – №. 4. – С. 30-33.
3. Юлдашева Ш. А., Нуритдинова П. Ш. ЭКОЛОГИЧЕСКИЕ ПРОБЛЕМЫ, ВЛИЯЮЩИЕ НА ЗДОРОВЬЕ ЧЕЛОВЕКА //World of Scientific news in Science. – 2024. – Т. 2. – №. 2. – С. 131-136.
4. Nuritdinova , P. S., & Kushmatova , D. E. (2022). The role of nursing staff in the formation of a healthy lifestyle of children. Евразийский журнал медицинских и естественных наук, 2(5), 122–128.
5. Parvina Sharofitdinovna Nuritdinova. (2023). FEATURES OF FORMING A HEALTHY LIFESTYLE IN STUDENTS. World Bulletin of Public Health,21,191-193.Retrievedfrom <https://scholarexpress.net/index.php/wbph/article/view/2598>
6. Parvina N.Sh. Promotion of a healthy lifestyle among the population // Экономика и социум. – 2022. – No 1(92). – P. 151-157.
7. Нуритдинова П. Ш., Юлдашева Ш. А. ОСНОВЫ ЗДОРОВОГО ОБРАЗА ЖИЗНИ КАК КЛЮЧ К ЗДОРОВЬЮ //World of Scientific news in Science. – 2024. – Т. 2. – №. 4. – С. 315-320.
8. Abduhalim K., Faxriddin O. BRONXIT KASALLIGINING KELIB SHIQISHI HAMDA UNING ASORATLARI //Лучшие интеллектуальные исследования. – 2023. – Т. 5. – №. 1. – С. 165-168.
9. Abduroziqovich K. A. TRANSPORT AVARIYALARDA BIRINCHI TIBBIY YORDAM KORSATISH //Лучшие интеллектуальные исследования. – 2024. – Т. 14. – №. 1. – С. 229-232.

10. Нуритдинова П. Ш., Исломов О. К., қизи Ешпулатова Д. Ш.  
ФОРМИРОВАНИЕ ЭКСПЕРТА В ОБЛАСТИ ТРАДИЦИОННОЙ  
МЕДИЦИНЫ: МЕЖДУНАРОДНЫЙ ОПЫТ И СОВРЕМЕННЫЕ  
ПОДХОДЫ //American Journal of Modern World Sciences. – 2024. – Т. 1. –  
№. 2. – С. 243-252.
11. Nuritdinova P. S., Islomova S. X., qizi Beknazarova D. N.  
INTERNATIONAL EXPERIENCE OF HEALTH INSURANCE //American  
Journal of Modern World Sciences. – 2024. – Т. 1. – №. 2. – С. 264-271.