

THE BENEFITS OF APPLYING PADLET IN MEDICAL EDUCATION

У статті досліджено методологічний потенціал інтерактивної платформи “Padlet” у процесі підготовки фахівців галузі знань 22 “Охорона здоров’я”. Обґрунтовано доцільність застосування досліджуваної платформи, окреслено провідні методологічні алгоритми її впровадження під час викладання гуманітарних дисциплін (англійська та латинська мови), медичної фізики та інформатики, а також клінічних дисциплін (неврології та стоматології). Дослідження може бути цікавим викладачам медичних вишів, а також фахівцям з інших професійних галузей у процесі планування навчальних занять та розробки навчально-методичних матеріалів.

Ключові слова: “Padlet”, галузь знань 22 “Охорона здоров’я”, фахівці другого (магістерського) рівня вищої освіти.

The article examines the methodological potential of Padlet in the process of training specialists in the field of knowledge 22 "Healthcare". The authors outline the key methodological algorithms of its introduction in the curricula of Humanities (English and Latin), Medical Physics and Informatics, as well as clinical subjects (Neurology and Dentistry) and substantiate the expediency of applying this platform at institutions of higher medical education. The research may be of interest to teachers of medical universities, as well as specialists from other professional fields in the process of planning classroom activities and developing teaching materials.

Key words: Padlet, the field of knowledge “22 Healthcare”, specialists of the second (Master's) level of higher education.

In the fast-evolving setting of medical education, it is essential to explore innovative methods and technologies that enhance the learning experience for aspiring healthcare professionals [1; 2; 3]. In our previous studies, we examined the numerous benefits of different online platforms and tools [5; 7; 8]. This article focuses on the methodological potential of Padlet and its application in various aspects of medical education, exploring how it can enhance the teaching and learning process for healthcare students. We will substantiate the expediency of applying Padlet in the curricula of Humanities (English and Latin), Medical Physics and Informatics, as well as clinical subjects (Neurology and Dentistry).

Padlet's technological capabilities offer a wide array of possibilities for higher education institutions. Firstly, Padlet provides a platform for creating interactive and multimedia-rich content. Instructors can easily integrate videos, images, audio clips, and documents into their Padlet boards, creating engaging and dynamic learning materials. This multimedia approach not only diversifies learning styles but also makes complex topics more accessible for students. In other words, Padlet empowers educators to deliver content in a more captivating manner.

Secondly, Padlet promotes collaboration and interaction among students and instructors. Its user-friendly interface allows for real-time discussions, comments, and feedback, fostering a sense of community and engagement in both face-to-face and virtual classrooms. Students can collaborate on group projects, share their insights, and collectively build knowledge repositories. Instructors can monitor student progress and offer timely guidance, creating a more personalized and responsive learning environment. The collaborative nature of Padlet not only enriches the educational experience but also prepares students for teamwork and promotes the development of communication skills required in their future careers.

Thirdly, Padlet offers flexibility in terms of accessibility and device compatibility. It can be accessed from various devices, including laptops, tablets, and smartphones, ensuring that students can engage with course materials anytime and anywhere. This adaptability is particularly valuable in today's diverse and fast-paced educational landscape, where remote and blended learning models are increasingly prevalent. Furthermore, Padlet's compatibility with Learning Management Systems and other educational tools simplifies its integration into existing educational settings, making it a valuable addition to higher education institutions' technical facilities.

Padlet in Humanities: English and Latin. The integration of Padlet into these courses can provide numerous benefits. For instance, in the study of medical terminology, Padlet can be employed to create interactive word walls. Students can collaboratively build a repository of medical terms, terminological collocations and their meanings. This approach not only reinforces language skills but also aids in bridging the gap between linguistic proficiency and medical knowledge. Furthermore, Padlet serves as an excellent platform for students to engage in discussions and share relevant medical information in a foreign language. In addition to the application at the undergraduate level, Padlet is also effective in teaching Academic English to PhD students, especially during interactive lectures to trigger constructive classroom discussions and feedback. By facilitating collaborative research projects, Padlet fosters critical thinking and interdisciplinary connections, enriching the overall educational experience [4; 6].

Padlet in Medical Physics and Informatics. Medical Physics and Informatics are integral components of modern healthcare education, demanding a seamless integration of theoretical knowledge and practical applications. In this context, Padlet proves to be a valuable tool by offering a dynamic environment for sharing resources and case studies. Instructors can create Padlet boards containing multimedia content, such as videos, diagrams, and interactive simulations, to illustrate complex concepts in medical physics. Moreover, Padlet allows for realtime data collection and analysis, making it an ideal platform for students to conduct experiments and record results collaboratively. This hands-on approach not only reinforces theoretical learning but also enhances students' informatics skills, which are essential for managing medical data and information systems.

Padlet in Neurology. Similarly to previous subjects, integrating Padlet into neurology education can significantly enhance the learning process. Instructors can create interactive brain maps and synapse models on Padlet, allowing students to explore and understand the intricate neural connections. This hands-on approach not only aids in memorization but also facilitates a deeper comprehension of complex neurological concepts. Moreover, Padlet can be used for case-based learning in neurology, providing a platform for the creation of virtual patient case portfolios. Students can document and discuss real or simulated patient cases, including diagnostic findings, treatment plans, and follow-up notes. This collaborative approach not only enhances clinical reasoning but also encourages peer learning and knowledge sharing. Instructors can post clinical case scenarios, including patient histories, diagnostic tests, and imaging results. Students can collaboratively discuss and propose diagnostic and treatment strategies, thus approaching real-world clinical decision-making. This method not only sharpens their diagnostic skills but also fosters empathy and a patient-centered approach to care.

Padlet in Dentistry. Dentistry requires students to master intricate dental anatomy and various dental procedures. Padlet can play a pivotal role in this context by offering a platform for interactive learning. Instructors can create Padlet boards with detailed diagrams of teeth, allowing students to label and annotate different parts. This approach helps students become proficient in recognizing dental structures, which is a crucial skill for future dentists. Additionally, Padlet can be used to showcase step-by-step procedures for common dental treatments. Instructors can upload videos or images illustrating techniques such as tooth extraction, root canal therapy, or dental prosthetics. Students can review these materials at their own pace, gaining a deeper understanding of clinical procedures before entering a clinical setting.

As one can observe, the expediency of incorporating Padlet into higher medical education cannot be overstated. It offers a solution to the challenges posed by traditional teaching methods, such as limited interactivity and engagement. Padlet promotes active learning, collaboration, and critical thinking, aligning with the evolving demands of modern healthcare education. Furthermore, Padlet's accessibility and user-friendly interface make it a suitable choice for educators and students. Its versatility allows for seamless integration into various subjects and learning environments, from lectures to small group discussions and self-directed study.

Thus, the methodological potential of Padlet in healthcare education is vast and promising. This platform can be used across diverse subjects, from Humanities to Clinical Sciences, to create engaging and interactive learning experiences. Educators and curriculum developers in the field of healthcare should consider the integration of Padlet as a means to enhance the training of future healthcare specialists. As the educational landscape continues to evolve, Padlet stands as a valuable tool that fosters innovation, collaboration, and excellence in medical education.

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