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USE OF MODERN TECHNOLOGIES IN TEACHING THE DISCIPLINE OF CLINICAL PHARMACOLOGY.

Abstract: this article provides recommendations on the methods of using modern technologies in teaching the subject of Clinical Pharmacology.

Keywords: Online Lab, Blended learning, 3D Learning, VR , AR.

The formation and improvement of electronic resources in the world is being applied to the educational process as an important factor in improving the quality of Education. Theoretical and practical solutions to the problems of creating digital megacities are being proposed by several prestigious higher education institutions, such as Stanford University of the USA, Massachusetts Institute of Technology, Seoul Cyber University of Korea, National Advice on pedagogical technology of England. The creation of portals like this serves to expand the possibilities of introducing modern paradigms such as VR,AR,3dlearning, e-learning platforms, simulations.

Scientific research is being carried out on the formation of electronic educational and methodological resources aimed at ensuring the intellectual development of the younger generation in the world, the creation of mechanisms that improve the quality of education, the introduction of modern information and communication technologies in the field of Education. Today, special attention is paid to research on text content, audio, video materials that allow for Independent Education, the use of artificial intelligence elements that fully reproduce their educational

functions, and the expansion of opportunities for educators to use distance learning resources from anywhere.

The scientific novelty of the study is the following:

The digital university model, based on Portal Technologies, has been improved on the basis of systematicity, exhibitionism, free management, flexibility, continuous development, modularity, reliability, convenience, security, mobility, automation, computer support, integrative content of one-time data principles and mutual coordination of pedagogical system components such as purpose, tactics, approach, parameter; credit-modular system of optimization of the educational process pedagogical-psychological, didactic, methodological and technical requirements for the creation of educational and scientific resources hard skills, soft skills skills are improved taking into account the taxonomy of the levels of mastering reproductive-methodical, deductive-methodical, research-methodical activities; the structural structure of the Portal, which provides the possibility of optimal presentation of information and methodological support of educational processes and educational resources adapted to the credit-module system by the development of electronic educational resources that embody professional and software tools covering the elements of the pedagogical process on the basis of systematic, functional and competent approaches, as well as its software;

The methodology for ensuring the quality and effectiveness of the educational process through the Portal Technologies has been improved on the basis of the mutual coordination of the "Online Lab" models of the "Blended learning" technology, which provides an opportunity to receive education and integrates the activities of the subjects of the educational process.

The practical results of the study are as follows:

in the introduction of forms of information and methodological support of educational processes based on Portal Technologies, a structural structure of

information and methodological support is developed, which serves to optimize and intensify the educational process, as well as its software platform;

the content and software of the mobile application of the model portal of science has been created, which provides an opportunity to optimally present the information and methodological resources of science;

On the basis of Portal Technologies, a methodology for using portals based on the technology "Blended learning" has been developed as a necessary condition for ensuring the quality and effectiveness of the educational process.

The reliability of the research results is explained by the fact that the applied approach, methods and theoretical information are obtained from official sources, the representativeness of the presented analyzes and experimental-test work, and the results obtained are based on the means of methods of mathematical-statistical analysis, the practical implementation of conclusions, proposals and recommendations, the confirmation of the results obtained by

Scientific and practical significance of the research results. The scientific significance of the research results lies in the principles of creating information and methodological support based on the proposed Portal technologies, such as systemality, exhibitionism, free management, flexibility, continuous development, modularity, reliability, convenience, security, mobility, automation, computer support, one-time data and new tasks, as well as pedagogical-psychological, didactic development of Educational Scientific Resources, the design and technical requirements are explained by the fact that they can be used to develop promising areas for improving educational processes based on Portal technologies, as well as information and methodological support for educational processes.

The practical significance of the research results lies in the fact that it serves to provide integrated educational and scientific resources that serve to implement a unified information and methodological support for continuing education processes, and to automate the monitoring of the process of mastering students and

conducting pedagogical practice. Visual-figurative thinking, which follows the level of development of the visual-practical stage of creative thinking in an independent way, is characteristic mainly of Primary School students in schools, allowing the student to understand the space-time relationship. Understanding the meaning of cause-and-effect links is seen as more complex than this, and it is the color-image that is currently exhibited in the lessons even for students in universities(videodars, presentation, scheme, picture, etc.).z) in this way, the application in distance education is considered to have the expected effect and gives the results of staying in good memory.

The true causes of events are usually hidden from direct perception without being clearly visible. To identify them, it is necessary to avoid random, second degree. That is why causal thinking is associated with exiting the boundaries of the image's imagination and looking at it in a broader creative aspect.

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