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Features the introduction of e-learning the study of prosthetic dentistry

Summary. This article analyzes the integrated use of different e-learning providing students with broad access to modern information field, improving visualization offered by material perception of fundamental knowledge, modernizing culture of individual cognitive activity, developing creativity, revealing opportunities and actively encouraging self-employment, followed by extrapolating received practical skills in future dental practice.

Key words: e-learning, fundamental knowledge, individual cognitive activity, dental practice.

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Особливості застосування засобів упровадження при вивченні ортопедичної стоматології

Резюме. У статті аналізується комплексне використання різних електронних засобів навчання, що надає студентам широкого доступу до сучасних інформаційних полей, покращує візуалізацію запропонованого матеріального сприйняття фундаментальних знань, модернізації культури в пізнавальній діяльності, розвитку творчості, показує можливості й активно заохочує самозайнятість, екстраполюючи отримані практичні навички в майбутній стоматологічній практиці.

Ключові слова: електронне навчання, фундаментальні знання, індивідуальна пізнавальна діяльність, стоматологічна практика.

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Особенности применения электронных средств внедрения при изучении ортопедической стоматологии

Резюме. В статье анализируется комплексное использование различных электронных средств обучения, предоставленное студентам широким доступом к современным информационным полям, улучшает визуализацию предложенного материального восприятия фундаментальных знаний, модернизации культуры человека в познавательной деятельности, развитии творчества, показывает возможности и активно поощряет самозанятость, экстраполируя полученные практические навыки в будущую стоматологическую практику.

Ключевые слова: электронное обучение, фундаментальные знания, индивидуальная познавательная деятельность, стоматологическая практика.

Introduction of modern forms and methods of evaluating the effectiveness of training is the most important challenge of reforming higher education and determine its quality standards.

Modern education is increasingly based on the theory of educational measurement, educational management, introduced new educational technology, including information. The Bologna agreement by Ukraine signed enhances the educational institutions in designing educational process in accordance with international standards and requirements while maintaining the course of their national achievements in education. All this makes for a fresh look at the problem of quality management education in universities of Ukraine.

Experience of Prosthetic Dentistry suggests new opportunities to use electronic means to standardize skills to using modern multimedia technology.

Main part. At the Department of Prosthetic Dentistry of SHEI «I. Ya. Horbachevsky Ternopil State Medical University of Ministry of Public Health of Ukraine» as a tool for standardization are widely used training videos for practical skills. The presence of such technical means as a «snapshot» and «repetition» allows to efficiently divide the procedures and steps to create a checklist of steps. The advantages of having videos in digital format, as it allows you to use more technical processing video. Some shots that are key in mastering the skill, can serve as material for slides and complement the checklist stages. These illustrated lists can also be used for self-training of dentists [1]. The process begins with mastering the skill demonstration, which can be performed in real clinical setting or video. During the demonstration clinical instructor focuses students on specific key elements of the procedure and explain their actions. Using educational video provides more opportunities to show, with no need to pay attention to the perception of the patient explanations of the teacher. After the demonstration, the teacher discusses with students every stage skills and answering questions. After students have learned in theory all stages, the process of mastering practical skill begins. Good demonstration of the procedure serves as a standard version model. Completion of training may be considered in accordance with the procedure checklist considering the allotted time and without complications for the patient [2]. Experience of the department suggests new

opportunities to use training videos for standardization and skills to useg modern multimedia technology. Modern electronic teaching aids including textbooks, curricula, training and testing program. You can talk about the emergence of a new synthesis of the concept of «Computer Training materials», which brings together all e-learning tools, implemented through a variety of programs. But a special place among certain funds takes virtual textbook.

At all times textbook was the bearer of scientific information, the source of knowledge, the result of careful and painstaking work of scientists. Because virtual version concentrated theoretical knowledge in the form of hypertext gained particular relevance in accordance with modern teaching within e-learning. Therefore, employees of the Department of Prosthetic Dentistry of SHEI «I. Ya. Horbachevsky Ternopil State Medical University of Ministry of Public Health of Ukraine» was an electronic publication for educational classroom hours of the 4 th course «Prosthetic the complete loss of teeth» (Hasiuk P. A., Shcherba V. V., Savchyn V. V.), which has about 400 slides in multimedia PowerPoint format. To create a virtual storage medium led not only insufficient amount of its paper counterparts, many advantages through the use of educational process in a computer network «Internet» at the server of SHEI «I. Ya. Horbachevsky Ternopil State Medical University Ministry of Public Health of Ukraine». As a result we fully provided all the students and teachers of the University with valuable information material to the wide availability of electronic publishing student audience, the ability to change mobile hypertext mode «on-line» free of charge for students and dental faculty. Also advantage of this electronic publication is that the large bandwidth available visual analyzer promotes the inclusion of students in the various mechanisms of memory, which significantly improves the overall efficiency of learning [5].

Modern electronic teaching aids including textbooks, curricula, training and testing program. You can talk about the emergence of a new synthesis of the concept of «Computer Training materials», which brings together all e-learning tools, implemented through a variety of programs. In addition, there are given the trends of modern orthopedic dentistry CAD/CAM prosthetic technology that will prevail over the metalceramic

prosthetics because progress in modern orthopedic dentistry fliews fast forward. Therefore, this technology is based on the decision of the Academic Council of the University. On the creation and implementation of educational software for university departments, employees of Prosthetic Dentistry Department together with virtual learning programs created virtual training program «Laboratory of manufacture prosthetic appliances based on zirconium oxide». This virtual program is important for students because it allows them to learn new methods of manufacturing of various orthopedic designs. It should be noted that the implementation of virtual work significantly accelerates the development of educational material. This work contains the necessary information both theory and practice [3]. This policy is quite simple — to manage one or other processes to screen student must use the computer mouse and keyboard. Some pieces of software that are key in mastering the skill, can serve as material for slides and complement the checklist stages. These illustrated lists can also be used for self-training dentists.

A good demonstration of the procedure serves as a benchmark standard of performance. Completion of training may be considered in accordance with the procedure checklist considering the allotted time and without complications for the patient [4].

Conclusions. Thus, the use of virtual learning programs in the classroom provides students with broad access to modern information field, improves visualization offered by material perception of fundamental knowledge, modernizing culture of individual cognitive activity, developing creativity reveals opportunities and actively encourages self-employment, followed by extrapolating received practical skills in future dental practice.

Thus, the integrated use of different e-learning provides students with broad access to modern information field, improves visualization offered by material perception of fundamental knowledge, modernizes culture of individual cognitive activity, developes creativity revealing opportunities and actively encourages self-employment, followed by extrapolating received practical skills in future dental practice.

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