

## **Optimization of the educational process at the department of obstetrics and gynecology of postgraduate education in the context of the integration into the European educational space**

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**Abstract:** Due to the use of IT technologies for distance learning (including on-line training), it is possible for doctors obstetrician-gynecologists to be acquainted with not only worked out techniques, schemes, approaches in the medical process, but also with novelties in this area, to increase professional qualifications without termination of the work process. For the formation of a system of professional theoretical and practical knowledge among interns and doctors-cadets in the world, situational modeling is widely used.

The use of situational tasks in the educational process promotes the activity of interns and students in practical work, their professional development and discipline of thinking.

**Keywords:** IT technologies, distance learning, professional growth, simulation training, situational tasks.

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### **Introduction**

Strategic directions for the reorganization of the national system of higher medical and pharmaceutical education are defined both by internal processes and trends of global development, and therefore provide for its structure, content and quality to be adapted to the needs and requirements of the health care system and to international standards [1, 2, 8,9].

Higher medical education should provide high-quality training for students and is an important component of reforming the health sector and implementing social priorities of the state, since the quality of providing medical care to the population depends on the level of training of future physicians. [1, 3, 4,9]. Contemporary development of medical science and practice necessitates adjustments in the training and upgrading of medical professionals with the approach of their education to international standards. That is why the quality of education in higher education institutions needs to be improved through effective organization and informatization of the educational process, introduction of advanced scientific developments into practice. teaching, providing high professionalism of teachers, creation of modern educational and methodological base in all educational branches, including but also medical. [6, 7].

Education is one of the most important areas of state policy in Ukraine. The state proceeds from the fact that education is a strategic resource of socio-economic, cultural and spiritual development of society, improvement of people's well-being, maintenance of national interests, strengthening of international authority and formation of a positive image of our state, creation of conditions for self-realization of each person. Given the priorities identified, the most important for the state is the upbringing of a person of an innovative type of thinking and culture, taking into account the innovative development of education, the demands of the individual, the needs of society and the state. Qualitative education is a prerequisite for ensuring sustainable democratic development of society, the formation of new vital reference points of the individual. [7, 8,9].

In the context of the chosen course of European integration of Ukraine, education is intended to overcome the contradictions between the needs of Ukraine's development and the remnants of the totalitarian era, education must correspond to new political and economic realities, help the younger generation enter the world's information space. Integration into the European educational environment also requires an increase in the level of proficiency in foreign languages. In the process of reforming higher education, it is necessary to use European experience, to involve the public in discussion, and to maintain competitiveness in order to activate market mechanisms for ensuring the quality of educational services. The process of European integration involves the creation of a pan-European educational and scientific space based on the development of common criteria and standards in the field of education and science in order to recognize the periods and periods of training of specialists with higher education, which will promote cooperation between higher education institutions in Europe.

The main direction of improvement of the process of professional development of doctors obstetricians - gynecologists at the postgraduate education stage is the gradual introduction of modern forms of training.

Internship is the first step in the independent work of a doctor, so it is important, starting from this stage, to direct the efforts of a young specialist to self-improvement. Traditional methods of teaching interns are primarily aimed at acquiring and using knowledge through the transfer of information with its subsequent implementation in specific professional activities according to the completed algorithm. This approach to the present in the preparation of doctors works in connection with the transition of practical health care to provide medical care to women in accordance with the protocols of the Ministry of Health of Ukraine.

To implement the organizational conditions and methodological approaches that contribute to improving the effectiveness of training interns and doctors, students need to highlight a number of tasks.

First of all, it is necessary to determine the essence, content and structure of distance learning. Then it is necessary to outline the organizational conditions and methodological approaches that promote its development at the postgraduate education stage.

Distance education in the preparation of interns, cadets of doctors is an innovative organization of the educational process, which is implemented in a specific pedagogical system based on the principle of independent training of the doctor and the interaction of the teacher and the intern or the cadet.

The effectiveness of distance learning at the postgraduate stage of education of doctors obstetricians-gynecologists largely depends on the following factors: the effective interaction of the teacher and the doctor; well-functioning active feedback; as a preliminary design of the distance learning process and how to manage it; development of didactic materials. Modern computer programs allow the transfer of knowledge and access to a variety of educational information; and new technologies, such as interactive e-learning guides, multimedia, and the Internet, contribute to the increased involvement of doctors in the learning process. The interactive capabilities of information delivery systems allow to debug and even stimulate feedback, provide a dialogue and ongoing support that is not possible in most traditional learning systems.

According to the work program on the specialty "Obstetrics and Gynecology", which is approved by the Ministry of Education and Science of Ukraine, interns have hours for independent extra-curricular training. But for the present, this training is used with a low efficiency factor. There are several ways to solve this problem. First of all, it is an increase in the motivation of a young specialist to work independently. A possible option for training a intern intern to the classroom may be the creation of a multimedia presentation on the topic, using the capabilities of modern software and the Internet.

An important part of this method of preparation for practical classes is the formation of independent work skills and the promotion of a creative approach to learning. Secondly, it is a creation on the basis of the department of computer classes, which must be equipped with electronic educational and methodological materials: training aids, developed by the staff of the department; multimedia presentations to classes according to the thematic plan; photo and video materials; test tasks of both educational and controlling type.

The main task of the higher school is to improve the quality of the training of specialists. The training of doctors includes the formation of a system of professional theoretical knowledge, practical skills, abilities to solve any professional, sometimes complex, non-standard tasks.

For the formation of a system of professional theoretical and practical knowledge among interns and doctors-cadets in the world, situational modeling is widely used. The use in the educational process of situational tasks contributes to the activity of interns in practical work, their professional development and discipline their thinking.

The most prominent is the problem method of teaching, which involves the creation of situational problems of varying degrees of complexity. The simulation center created at our university allows our interns and cadets to develop practical skills, an algorithm for providing assistance in situations that are most closely related to the realities of obstetrics and gynecology.

Teachers of the Department of Obstetrics and Gynecology, NII PO, were interested in this method of training and during 2016-2017, 2018 they visited obstetric simulation centers in the cities of Vinnytsia and Ivano-Frankivsk, which were formed earlier.

Teachers received certificates from both simulation centers about training and mastering the principles of work in the simulation center.

In the simulation center for inner doctors and cadets, situational tasks are created with those of terminal states in obstetrics and gynecology. To solve a situational problem, a brigade of interns or cadets from 4 to 5 people is being created, which simulates a regular team of physicians, which assists a pregnant woman in a maternity hospital. They are involved in the implementation of the issue of family support, surgical intervention, infusion therapy, resuscitation, including mechanical ventilation, artificial respiration and external cardiac massage. The actions of the physician team are recorded on the video. After completing all the tasks of the situational task, all the doctors who participated and observed side-by-side gather in the hall and watch the video with the following discussion of each stage and the action of providing medical care. Comments and

conclusions are made by the teacher. All participants in the simulation task get real emotional experiences and enjoyment from the experience.

### **Conclusions**

Thus, the task of modern education in the training of future specialists is to use both routine and innovative methodologies of learning. Using considerable experience of previous teaching work, the department is actively working on the implementation of distance learning. The goal of distance learning at the postgraduate stage of the education of interns and doctors-cadets of obstetricians-gynecologists is the self-directed purposeful work using modern IT, the effectiveness of which depends on the methodologically competently constructed by the teacher of the educational process and information and communication opportunities of the university.

The active use of the simulation center for the formation of a "stable" algorithm for emergency care at different terminal conditions in obstetrics and gynecology at interns and cadets contributes to the effective improvement of the level of qualification both at the mental and at the practical level.

Given the European vector of development, the future health care system in Ukraine should be in line with European principles. The main direction in the development of higher medical education in Ukraine is the continuous improvement of the quality of education, updating its content and forms of organization of the educational process, development of education as a state-public system; raising the higher education of Ukraine to the level of higher education in the developed countries of the world and integrating it into the international scientific and educational community.

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