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URGENCY OF IMPLEMENTATION OF SIMULATION TECHNOLOGIES IN THE SECTION OF EMERGENCY MEDICAL CARE

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The rapid development of the latest technologies of medical care, improvement of procedures and methods require the appropriate professional qualifications of knowledge and skills of each specialist. One of the main strategic objectives of modern medical education is the introduction of new training standards, namely changing the specifics of training and the transition to the use of innovative technologies that will reinforce the knowledge gained by learning them in practice [1]. Simulation training provides an opportunity to expand the areas of skills by combining traditional forms of modern education with modified, modern, interactive aspects. The resulting concept of development helps to differentiate learning, stimulates the emergence of skills to analyze the problem and find the best approach to its solution [2]. In recent years, the demand for these technologies in Ukraine is growing. This is facilitated by the emergence of available equipment and the accumulated world experience.

Complex and integrated simulation systems are in great demand in the development of skills and stimulate the practical reinforcement of knowledge in modern emergency and urgent medical care. The opportunity to work out a variety of scenarios are carried out in the relevant emergency rooms and cardiopulmonary resuscitation [3]. The skills of determining signs of consciousness, primary and secondary examination of the victim, methods of coniotomy and tracheotomy, techniques of movement with hard and soft stretchers, stopping external bleeding, bandaging and immobilization of the upper and lower extremities, providing patency of the upper respiratory tract methods, basic resuscitation measures are mastered (including the technique of artificial lung ventilation and the technique of indirect heart massage), teach to recognize heart rhythms, demonstrate the rules of using an automatic external defibrillator [3]. By simulating the necessary situations, students can not only work with modern and necessary equipment, but also learn to

remain calm and cool in emergency scenarios of emergency care [1]. Along with excellent training in technical skills, leadership skills and organizational skills, the ability to work in a team and maintain an integrated approach to immediate and clear solutions are also valued [2]. It is worth emphasizing that another positive aspect of simulation training is the ability to perform the necessary training manipulations without harming the patient, but with the help of modern equipment, which fully realistically simulates the necessary scenario. Realism and automation of phantoms of organs or models of cardiopulmonary resuscitation facilitate and diversify learning [3]. All stages of this training are under the control of experienced teachers, who provide an objective assessment of the manipulations.

Every year the amount of new information grows, technologies change and improve, which require regular mastering in the process of learning and continuous training. The use of simulation technologies helps to increase our information and educational space and expand opportunities to improve practical skills. An important aspect is the combination of theoretical training with the practical part, successful combinations of which develop the ability to analyze and act quickly in a variety of situations. Mastering the techniques of emergency and first aid on modern mannequins and phantoms helps to hone practical skills in simulating emergencies, increasing the responsibility and competence of health professionals.

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COVID-19 PANDEMY EFFECT ON EDUCATIONAL PROCESS IN SIMULATION MEDICAL TECHNOLOGIES WITH STANDARDIZED PATIENTS APPLICATION

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