

## Abstract

### Possibilities of using simulation technologies in the postgraduate education

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**Background.** The global trends in the development of medical education are based on the wide and open access to modern technologies, both at the undergraduate and postgraduate stages. There is a clear tendency of shifting emphasis to the practical orientation of the acquired knowledge and the control of acquired practical skills and abilities, and the widespread introduction of simulation learning technologies.

**Summary of work.** During the simulation training, the priority is to work on a certain algorithm of a given medical task, in the process of which mistakes are allowed during the provision of medical care, so that the student feels the full extent of his responsibility. Training using simulation technologies at the postgraduate stage is methodologically different and is maximally aimed at improving the clinical thinking of young specialists. The main difference is the complexity of the simulated clinical cases with a wide range of differential diagnosis.

**Summary of Results.** In 2023, 268 interns were trained at the Simulation Center of Danylo Halytskyi Lviv National Medical University. A unified curriculum has been developed for them, which includes the topics of basic and advanced resuscitation measures, as well as the algorithm for helping an injured person. A practically-oriented approach is used with simulations of clinical situations and subsequent analysis of errors.

A number of difficulties arise in the pedagogical process, which are related to the organization of the educational process peculiarities in medical universities, as well as the education of intern doctors.

**Discussion and Conclusion.** The implementation of the simulation method of education in medical universities of Ukraine is the key to the training of highly qualified doctors and competitive high medical education. There are a number of difficulties that should be paid attention to in order to optimize the educational process in simulation centers.

**Take-home Messages.** The key factors that need attention in order to improve the efficiency of the educational process are:

- more attention should be paid to related conditions and accompanying pathology when teaching emergency care to interns of various specialties;
- training in professional communication and teamwork must be included in the educational process.