

“THE ROLE OF SIMULATION-BASED LEARNING IN NURSE TRAINING”

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Simulation-based learning is a modern and effective educational method that provides a unique opportunity to practice critically important practical skills in a safe and controlled environment. Research shows that simulation training significantly improves nurses' skills in resuscitation and emergency care. Through scenario-based learning, students can acquire essential competencies such as interpersonal communication, teamwork, leadership, decision-making, task prioritization under pressure, and stress management.

The simulated scenarios are highly realistic and emotionally engaging, providing a unique learning experience in which a “patient” simulator with high fidelity can speak, breathe, blink, and move just like a real patient. Simulation is not intended to replace clinical training; therefore, it is crucial to integrate simulation sessions with real clinical practice when designing educational programs.

Simulation technologies represent an essential and indispensable method of practical training in the preparation of healthcare professionals. For example, **according to several studies, the use of simulators in training reduces the number of errors by 30–40% during cardiopulmonary resuscitation (CPR) and artificial ventilation procedures.**

Students who have undergone simulator-based training demonstrate improved procedural accuracy and greater confidence in real clinical settings, which in turn shortens preparation time and improves the quality of patient care. After using simulators in training, **85–90% of students report a significant increase in confidence when performing resuscitation procedures.** This can be attributed to the opportunity for repeated practice and the immediate feedback provided by the simulators. Moreover, simulations allow students to learn how to act effectively in stressful situations, which is an integral part of a nurse's professional activity.

Despite its proven effectiveness, several challenges remain in the implementation of simulation-based learning. One major issue is the **high cost of simulators** and their limited availability for some educational institutions. Another important challenge is the **need for additional instructor training**, as educators must not only master the simulator technologies but also be able to correctly interpret results and provide high-quality feedback.

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