



STRUCTURE OF SCENARIO FOR EDUCATION IN INTENSIVE CARE

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D2.1 TECHNOLOGY-ENHANCED LEARNING AND TEACHING IN ACUTE MEDICINE

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The scenario is basic component of simulation education. There is no consensual recommendation how to design the simulation scenario. The aim of our project was to develop structured scenario for simulation education in intensive care medicine.

The scenario is based on learning goal and should prescribe the response of simulation mannequin and other “actors” to action of learners. The description of scene and its changes is integral part of scenario as well. The educator is not only screenplay author but usually has similar role as director of play. We approach to the simulation as to a theatre play. The simulation scenario was built up similarly to script play.

We apply structured script for development of simulation of septic shock patient. The educational goal was to teach indication of vasopressor and fluids in initial phases of septic shock. The simulation room was equipped as intensive care unit (ICU) with ventilator, monitor, infusion pump, drugs. Story: The patient (intubated mannequin) is admitted to ICU for respiratory failure. The actors — students — doctor and nurse examine the patient (ABCDE), take the past medical history, drugs, allergies. Doctor recognises under-sedated patient on artificial ventilation with septic shock and starts therapy. Nurse — next student — provide the treatment. Facilitator — teacher — takes the role of family member. Points for debriefing and guided reflection are prepared. The process of tuning, our mistakes and testing of the scenario will be presented.

The structured scenario for simulation was created, it was tested on anesthetists and students. Scenario with debriefing notes is ready to be used by teachers of intensive care medicine.

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