

SAFETY

simulation for medical practice

SIMULATION APPROACH FOR
EDUCATION AND TRAINING
IN EMERGENCY

R4.6 Final version of the e-learning training modules



BODY INTERACT™
VIRTUAL PATIENTS



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









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The final version of the e-learning materials can be found here:

https://www.elearning.safetymedsim.eu/?_gl=1*dg2mni*_ga*NzcyNjQxOTQ3LjE3MTU1OTM4NzQ.*_ga_ZKW0F2V2SD*MTcxNzA3MTM2MS43LjAuMTcxNzA3MTM2MS4wLjAuMA..

Available courses

 Module 1 - An introduction to medical simulation (Theoretical lectures)	 Module 2 - Cardiovascular Emergencies (Theoretical lectures)	 Module 2 - Cardiovascular Emergencies (Practical scenarios)	 Module 3 - Shock (Theoretical lectures)
 Module 3 - Shock (Practical scenarios)	 Module 4 - Pulmonary Emergencies (Theoretical lectures)	 Module 4 - Pulmonary Emergencies (Practical scenarios)	 Module 5 - Traumatic Emergencies (Theoretical lectures)
 Module 5 - Traumatic Emergencies (Practical scenarios)	 Module 6 - Neurological and Psychiatric Emergencies (Theoretical lectures)	 Module 6 - Neurological and Psychiatric Emergencies (Practical scenarios)	 Module 7 - Thermal and Toxicological Emergencies (Theoretical lectures)
 Module 7 - Thermal and Toxicological Emergencies (Practical scenarios)	 Module 8 - Infant emergencies and Obstetrics (Theoretical lectures)	 Module 8 - Infant emergencies and Obstetrics (Practical scenarios)	 Module 9 - Systematic Approach to Emergency (Theoretical lectures)
 Module 9 - Systematic Approach to Emergency (Practical scenarios)	 Module 10 - Aspects of CRM, Teamwork, Leadership, Communication (Theoretical lectures)	 Module 10 - Aspects of CRM, Teamwork, Leadership, Communication (Practical scenarios)	

The e-learning materials were organized as it follows:

Module 1: An introduction to medical simulation – Aspects of simulation training

Course 1.1

- Lesson 1.1.1 - Setting the scene.
- Lesson 1.1.2 - A practical example.
- Lesson 1.1.3 – Reflection.

Module 2: Cardiovascular Emergencies

Course 2.1 – Theoretical section

- Lesson 2.1.1 – Acute coronary syndromes
- Lesson 2.1.2 – Hypertension
- Lesson 2.1.3 – A systematic approach to hypotension
- Lesson 2.1.4 – Arrhythmias

Course 2.2 – Practical scenarios

- Lesson 2.2.1 – Acute coronary syndromes
- Lesson 2.2.2 – Tachyarrhythmias

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- Lesson 2.2.3 – Bradyarrhythmias
- Lesson 2.2.4 – Hypertensive crisis

Course 2.3 – Virtual patient

Module 3: Shock

Course 3.1 – Theoretical lecture – Pathophysiology, diagnosis, and management of shock

Course 3.2 – Practical scenarios

- Lesson 3.2.1 - Hypovolemic shock
- Lesson 3.2.2 – Anaphylactic shock
- Lesson 3.2.3 - Cardiogenic shock
- Lesson 3.2.4 - Obstructive shock
- Lesson 3.2.5 – Septic shock in a child

Course 3.3 – Virtual patient

Module 4: Pulmonary Emergencies

Course 4.1 – Theoretical lectures

- Lesson 4.1.1 – Pulmonary oedema
- Lesson 4.1.2 – COPD/ Asthma
- Lesson 4.1.3 – Pulmonary embolism

Course 4.2 – Practical scenarios

- Lesson 4.2.1 - Respiratory failure and Airway Management
- Lesson 4.2.2 – Respiratory insufficiency in a child

Course 4.3 – Virtual patient

Module 5: Traumatic Emergencies

Course 5.1 – Theoretical lecture - Simulation for traumatic emergencies

- Lesson 5.1.1 – Polytrauma, Part 1
- Lesson 5.1.2 – Polytrauma, Part 2

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- Lesson 5.1.3 – Polytrauma, Part 3

Course 5.2 – Practical scenarios

- Lesson 5.2.1 – Polytrauma
- Lesson 5.2.2 - Traumatic brain injury
- Lesson 5.2.3 - Abdominal Trauma
- Lesson 5.2.4 - Musculoskeletal Trauma

Course 5.3 – Virtual patient

Module 6: Neurological and Psychiatric Emergencies

Course 6.1 – Theoretical lectures

- Lesson 6.1.1 – Neurological emergencies
- Lesson 6.1.2 – Psychiatric emergencies

Course 6.2 – Practical scenarios

- Lesson 6.2.1 – Stroke
- Lesson 6.2.2 – Intracranial haemorrhage
- Lesson 6.2.3 – Epilepsy
- Lesson 6.2.4 – Psychosis

Course 6.3 – Virtual patient

Module 7: Thermal and Toxicological Emergencies

Course 7.1 - Theoretical lecture – Thermal and toxicological emergencies

Course 7.2 – Practical scenarios

- Lesson 7.2.1 – Thermal injury
- Lesson 7.2.2 – Toxicological emergencies

Course 7.3 – Virtual patient

Module 8: Infant emergencies and Obstetrics

Course 8.1 – Theoretical lectures

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- Lesson 8.1.1 – Paediatric emergencies after
- Lesson 8.1.2 – Paediatric respiratory emergencies
- Lesson 8.1.3 – Paediatric accidents and injuries

Course 8.2 – Practical scenarios

- Lesson 8.2.1 – Childbirth
- Lesson 8.2.2 - Infant Dyspnoea
- Lesson 8.2.3 - Emergencies in pregnancy
- Lesson 8.2.4 – Stabilization of a preterm newborn

Course 8.3 – Virtual patient

Module 9: Systematic Approach to Emergency (xABCDE, SAMPLER, BLS/ALS Algorithm, ISBAR Model)

Course 9.1 – Theoretical lectures

- Lesson 9.1.1 - ISBAR
- Lesson 9.1.2 - XABCDE and SAMPLER
- Lesson 9.1.3 - Cardiovascular Resuscitation

Course 9.2 – Practical scenarios

- Lesson 9.2.1 - Resuscitation / CPR
- Lesson 9.2.2 – Hypoglycemia
- Lesson 9.2.3 - Multimorbidity and Palliative Care
- Lesson 9.2.4 – Newborn resuscitation
- Lesson 9.2.5 – Ventricular tachycardia in a child

Course 9.3 – Virtual patient

Module 10: Aspects of CRM, Teamwork, Leadership, Communication

Course 10.1 – Crisis resource management

Course 10.2 – Practical scenarios

- Lesson 10.2.1 – Epilepsy (missing doctor)
- Lesson 10.2.2 – Infant dyspnoea (missing team leader)

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- Lesson 10.2.3 – Toxicology case (missing doctor)
- Lesson 10.2.4 – Epilepsy (missing nurse)
- Lesson 10.2.5 – Toxicology case (missing nurse)
- Lesson 10.2.6 – CPR (panicked relative)
- Lesson 10.2.7 – Hypertensive crisis (panicked relative)
- Lesson 10.2.8 – SABES (panicked relative)
- Lesson 10.2.9 - LMU – thermal injury (panicked relative with two patients)