

## VIRTUAL LABORATORY TRAINING AND CASE SCENARIOS IN TARGU MURES (2/7 WEEKS)

### LEARNING OUTCOMES

#### KNOWLEDGE

- KNOWLEDGE OF THE ADVANCED PRINCIPLES OF MEDICAL SIMULATION AND VIRTUAL LABORATORY
- ADVANCED KNOWLEDGE OF MEDICAL SIMULATION AND VIRTUAL LABORATORY USEFULNESS IN DEVELOPING PRACTICAL ABILITIES
- KNOWLEDGE OF THE EDUCATIONAL POSSIBILITIES OFFERED BY SIMULATION TECHNOLOGIES

#### SKILLS

- UNDERSTANDING THE ADVANCED PRINCIPLES OF MEDICAL SIMULATION; DEVELOPING THE ABILITIES NECESSARY IN ORDER TO DEVELOP SIMULATION SCENARIOS
- PERFORMING BASIC AND ADVANCED DIAGNOSTIC AND THERAPEUTIC MANEUVERS IN THE VIRTUAL LABORATORY
- DEVELOPMENT OF A TREATMENT PLAN INDIVIDUALIZED FOR THE PATIENT

#### COMPETENCES

- AWARENESS OF THE NEED FOR CONTINUOUS PROFESSIONAL EDUCATION
- ACQUISITION OF ORAL AND WRITTEN COMMUNICATION SKILLS WITH PATIENTS
- APPLYING THE PRINCIPLES OF ETHICS AND PROFESSIONAL ETHICS IN THE FIELD

### ECTS CREDITS

5 ECTS

<b><i>Practical activities</i></b>	<b>Teaching Methodology</b>	<b>Number of hours</b>
Virtual laboratory: practical abilities, introduction, basic notions	Practical demonstrations. Virtual laboratory	14
Virtual laboratory: ultrasonography, endoscopy and bronchoscopy.	Practical demonstrations. Virtual laboratory	14
Virtual laboratory and advanced simulation: case scenarios	Practical demonstrations. Virtual laboratory	14
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Virtual laboratory and advanced simulation: case scenarios	Practical demonstrations. Virtual laboratory	14
Particular aspects of advanced medical simulation and virtual laboratory.	Practical demonstrations. Virtual laboratory	14



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<b>References</b>
1. Levine, A.I., DeMaria Jr., S., Schwartz, A.D., Sim, A.J. (Eds.). The Comprehensive Textbook of Healthcare Simulation, Springer-Verlag New York, 2013

<b>Evaluation</b>	
	<i>Practical activities – percent of the final grade - 100%</i>
<i>Final mark</i>	

<b>Training Methods</b>
<ul style="list-style-type: none"> <li>- Lectures</li> <li>- Independent Study</li> <li>- Laboratory and Practical Study</li> <li>- Problem-based Learning</li> <li>- Clinical stages</li> </ul>
<b>Innovative Digital Training Methods</b>
<ul style="list-style-type: none"> <li>- Virtual laboratory</li> </ul>