

NURSING DIAGNOSIS AND THERAPEUTIC APPROACH IN EMERGENCY ROOM

LEARNING OUTCOMES

KNOWLEDGE

- ASSIMILATION OF THE THEORETICAL AND PRACTICAL BASES OF BASIC CARDIO-RESPIRATORY RESUSCITATION
- FAMILIARIZATION WITH THE BASIC METHODS REGARDING THE APPROACH TO THE TRAUMATIZED PATIENT IN THE EMERGENCY
- RECOGNIZING THE SIGNS OF CARDIO-RESPIRATORY ARREST
- IDENTIFYING LIFE-THREATENING SITUATIONS
- KNOWING THE LEGAL AND MEDICAL RESPONSIBILITY AND ASSUMING THE RELATED RESPONSIBILITY
- KNOWLEDGE OF PRIORITIZING FIRST AID MANEUVERS

SKILLS

- THE CORRECT AND EFFECTIVE PERFORMANCE OF LIFE-SAVING MEASURES IN BASIC LIFE SUPPORT FOR ADULTS AND CHILDREN, INCLUDING IN SPECIAL SITUATIONS SUCH AS DROWNING, HYPO/HYPEROTHERMIA, ELECTROCUTION
- GIVING FIRST AID TO THE PATIENT WITH AN ALTERED STATE OF CONSCIOUSNESS
- USE OF SIMPLE AIRWAY ADJUVANTS AND KNOWLEDGE OF EFFECTIVE OXYGENATION METHODS
- THE TECHNIQUE OF USING THE AUTOMATIC EXTERNAL DEFIBRILLATOR
- SAFE PERFORMANCE OF DEFIBRILLATION WITH THE HELP OF THE AUTOMATIC EXTERNAL DEFIBRILLATOR
- INSTALLATION OF A PERIPHERAL VASCULAR ACCESS
- PRIMARY EVALUATION OF THE POLYTRAUMATIZED PATIENT
- IMMOBILIZATION TECHNIQUES OF THE POLYTRAUMATIZED PATIENT
- TECHNIQUES FOR MOBILIZING THE POLYTRAUMATIZED PATIENT
- TECHNIQUES FOR HEMOSTASIS IN CASE OF EXTERNAL BLEEDING
- PERFORMING BASIC AND ADVANCED DIAGNOSTIC AND THERAPEUTIC MANEUVERS IN EMERGENCY ROOM
- PRESENTATION OF A CLINICAL CASE IN EMERGENCY ROOM SITUATIONS

COMPETENCES

- RECOGNIZING THE EMERGENCY SITUATION, THE AVAILABLE RESOURCES AND THE CONDITIONS FOR PROVIDING FIRST AID
- ACQUISITION OF ORAL AND WRITTEN COMMUNICATION SKILLS WITH PATIENTS
- TEAMWORK SKILLS - IDENTIFYING ROLES AND RESPONSIBILITIES IN AN EMERGENCY TEAM
- COORDINATING PROJECTS TO SOLVE SPECIFIC PROBLEMS IN THE EMERGENCY ROOM SITUATIONS, THE CORRECT EVALUATION OF WORKLOAD
- RESPECT AND DEVELOPMENT OF PROFESSIONAL VALUES AND ETHICS

ECTS CREDITS

5 ECTS

<i>Theoretical courses</i>	<i>Teaching Methodology</i>	<i>Number of hours</i>



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Organization of a pre-hospital and hospital emergency service. Elements of anatomy of the respiratory and circulatory systems. The chain of survival	Oral presentation + multimedia, E-learning. Online platform	6
Basic cardiopulmonary resuscitation in adults: recognition of cardiorespiratory arrest, causes and treatment. Ensuring circulation through external cardiac massage, release of airways, ventilation. Basic airway management. Simple airway adjuvants. Use of supraglottic devices.	Oral presentation + multimedia, E-learning. Online platform	6
Electrical therapy - semi-automatic defibrillation: the correct and safe use of the automated external defibrillator. Resuscitation in special situations 1: electrocution, drowning, intoxication	Oral presentation + multimedia, E-learning. Online platform	6
Resuscitation in special situations 2: pregnancy, anaphylaxis, hypo- and hyperthermia. Ethical and moral principles in cardiorespiratory resuscitation	Oral presentation + multimedia, E-learning. Online platform	6
The polytraumatized patient. The mechanism of trauma production. Kinematics of trauma. Primary assessment of the polytraumatized patient	Oral presentation + multimedia, E-learning. Online platform	6
Immobilization techniques of polytraumatized patients. First aid techniques for patients with craniocerebral, facial and spinal trauma: assessment, immobilization techniques, dressings	Oral presentation + multimedia, E-learning. Online platform	6
First aid techniques for patients with thoracic, abdominal, pelvic and extremity trauma: assessment, immobilization techniques, hemostasis techniques. Immobilization techniques in trauma.	Oral presentation + multimedia, E-learning. Online platform	6

Practical activities	Teaching Methodology	Number of hours
Basic cardiopulmonary resuscitation maneuvers: airway	Practical demonstrations, practical	12



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clearance and ventilation. Simple airway adjuncts: preparation, technique of use.	manoeuvres characteristics for the emergency room. Virtual laboratory	
Supraglottic devices: preparation, technique of use. Peripheral venous access: preparation of materials, peripheral venous puncture technique, peripheral venous cannulation technique.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	12
Semi-automatic defibrillation - the technique of using the automatic external defibrillator. ERC protocol for automated external defibrillation - practical application.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	12
Basic cardiorespiratory resuscitation in special situations. Primary assessment of the traumatized patient.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	12
Secondary evaluation of the traumatized patient. Immobilization techniques: cervical spine, pelvis.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	12
Immobilization techniques: extremities. Hemostasis techniques in external bleeding.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	12
Techniques for mobilization of the polytraumatized patient: techniques for transporting traumatized patients.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	12

References

- Judith E. Tintinalli, O. John Ma, Donald M. Yealy, Garth D. Meckler, J. Stephan Stapczynski, David M. Cline, Stephen H. Thomas: Tintinalli's Emergency Medicine: A Comprehensive Study Guide, 9 edition

Evaluation

<i>Course activities – percent of the final grade - 50%</i>	<i>Practical activities – percent of the final grade - 50%</i>
<i>Final mark</i>	

Training Methods

- Lectures
- Independent Study
- Clinical stages

Innovative Digital Training Methods



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- *Virtual laboratory*
- *Online platform*
- *E-learning*

