

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	3
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	3
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	3
Resuscitation in special situations 2: pregnancy, anaphylaxis, hypo- and hyperthermia. Ethical and moral principles in cardiorespiratory resuscitation	Oral presentation + multimedia, E-learning. Online platform	3
The polytraumatized patient. The mechanism of trauma production. Kinematics of trauma. Primary assessment of the polytraumatized patient	Oral presentation + multimedia, E-learning. Online platform	3
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	3
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	3

Practical activities	Teaching Methodology	Number of hours
Basic cardiopulmonary resuscitation maneuvers: airway clearance and ventilation. Simple airway adjuvants: preparation, technique of use.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	3
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	3
Semi-automatic defibrillation - the technique of using the automatic external defibrillator.	Practical demonstrations, practical manoeuvres characteristics for the	3



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ERC protocol for automated external defibrillation - practical application.	emergency room. Virtual laboratory	
Basic cardiorespiratory resuscitation in special situations. Primary assessment of the traumatized patient.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	3
Secondary evaluation of the traumatized patient. Immobilization techniques: cervical spine, pelvis.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	3
Immobilization techniques: extremities. Hemostasis techniques in external bleeding.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	3
Techniques for mobilization of the polytraumatized patient: techniques for transporting traumatized patients.	Practical demonstrations, practical manoeuvres characteristics for the emergency room. Virtual laboratory	3

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

- Virtual laboratory
- Online platform
- E-learning

