

EMERGENCY SURGERY AND OPERATING ROOM

LEARNING OUTCOMES

KNOWLEDGE

- LEARNING THE PREOPERATIVE PREPARATION METHODS SPECIFIC TO EACH CONDITION.
- KNOWLEDGE OF THE NATURAL COURSE AND POSSIBLE POSTOPERATIVE COMPLICATIONS.
- KNOWLEDGE OF NURSING METHODS, SPECIFIC CARE, APPLICATION OF REBALANCING TREATMENT AND POSTOPERATIVE SUPPORT UNTIL DISCHARGE.
- STUDENTS' UNDERSTANDING OF THE SPECIFICS OF THE SURGICAL PATIENT

SKILLS

- DEVELOPING AND IMPLEMENTING APPROPRIATE TREATMENT PLANS FOR THE IDENTIFIED DISEASES.
- THE CORRECT ASSESSMENT OF THE RISKS OF DISEASE OR THE CONTEXT OF THE OCCURRENCE OF AN INDIVIDUAL / COLLECTIVE DISEASE, FOLLOWED BY THE SELECTION AND APPLICATION OF APPROPRIATE PREVENTIVE MEASURES.
- FULFILLING IN TERMS OF EFFICIENCY AND EFFECTIVENESS THE MANAGERIAL DUTIES IMPOSED BY CERTAIN PROFESSIONAL ROLES.
- PRESENTATION OF A CLINICAL CASE IN SURGERY

COMPETENCES

- ACQUISITION OF ORAL AND WRITTEN COMMUNICATION SKILLS WITH PATIENTS
- ACHIEVING A WORK / PROJECT, PERFORMING SPECIFIC TASKS RESPONSIBLY IN A TEAM ROLE
- THE COORDINATED DEVELOPMENT OF PROJECTS TO SOLVE PARTICULAR PROBLEMS IN THE SURGICAL FIELD, WITH THE CORRECT ASSESSMENT OF THE WORKLOAD, AVAILABLE RESOURCES, TIME REQUIRED FOR COMPLETION AND RISKS
- APPLYING THE PROFESSIONAL AND ETHICAL RULES IN THIS FIELD AS WELL, AS SAFETY AND HEALTH AT WORK.

ECTS CREDITS

3 ECTS

| <i>Theoretical courses</i> | <i>Teaching Methodology</i> | <i>Number of hours</i> |
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| <p>Deontological aspects of nursing activity.</p> <p>a. The role of the nurse in surgery wards, skills.</p> <p>b. Nurse-patient relationship. c. Hierarchical relationships (nurse-doctor, nurse-nurse). d. Informed consent of the patient. Professional secret. e. Nursing competencies.</p> <p>Evaluation of the surgical patient: respiratory, cardiovascular, renal, hepatic, neural and metabolic function; preoperative preparation and postoperative care.</p> | <p>Oral presentation + multimedia, E-learning. Online platform</p> | 1 |
| <p>Cancer: a. General characteristics. b. Principles of surgical treatment. c. Principles of complex cancer treatment. d.</p> | <p>Oral presentation + multimedia, E-learning. Online platform</p> | 1 |



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| Post-therapeutic evolution of cancer patients. e. The effects of cancer and adjuvant treatment methods on the body and the healing process. Nursing in thyroid, parathyroid, adrenal surgical pathology. | | |
| Nursing in obesity surgery. Nursing in the pathology of surgical conditions of the mammary gland. | Oral presentation + multimedia, E-learning. Online platform | 1 |
| Nursing in the pathology of esophageal and gastric surgical conditions. Nursing in hepatobiliary surgical diseases. | Oral presentation + multimedia, E-learning. Online platform | 1 |
| Nursing in surgical diseases of the pancreas. Nursing in diseases of the small intestine. | Oral presentation + multimedia, E-learning. Online platform | 1 |
| Nursing in colorectal surgical diseases. Nursing in perianal surgical diseases. | Oral presentation + multimedia, E-learning. Online platform | 1 |
| Nursing of stoma patients. Nursing in peritonitis. | Oral presentation + multimedia, E-learning. Online platform | 1 |

| Practical activities | Teaching Methodology | Number of hours |
|--|---|------------------------|
| Nursing work schedule. Sector of activity. Job description. Hierarchical relationships. Nursing competencies. Measures to prevent nosocomial infections in surgery. Dress code. Collection of biological samples. Types of tests used in surgery and normal values. Venous puncture. Arterial puncture. Astrup analysis. Blood culture. Uroculture. Coproparasitological examination and coproculture. Collection of biological products for seeding and antibiogram. | Practical demonstrations, practical manoeuvres characteristics for surgery. Virtual laboratory | 2 |
| Patient monitoring. Measurement of BP, pulse, temperature. The pulse oximeter. Performing an EKG at the bedside. PVC measurement. Volemic rebalancing. Types of solutions, commercial presentation, their role in the body. Infusion set. Pefusion installation and maintenance. Injectomat. Medicines that cannot be mixed in the same infusion. | Practical demonstrations, practical manoeuvres characteristics for surgery. Virtual laboratory | 2 |
| Administration of parenteral treatment. Intramuscular, subcutaneous and intravenous injections. Possible allergic reactions and emergency treatment method. Drug sensitivity testing. The route of administration of common | Practical demonstrations, practical manoeuvres characteristics for surgery. Virtual laboratory | 2 |



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| <p>medicines. Contraindicated drug combinations in the same syringe.</p> <p>The trolley for dressings and surgical manipulations. The need for sanitary tools and materials. Contents of instrument and dressing case. Management of sanitary instruments and materials in order to prevent nosocomial infections.</p> | | |
| <p>Preparation of instruments for sterilization.</p> <p>Gastric lavage (ingestion of toxic substances, evacuation in pyloric stenoses, with hemostatic effect in HDS), evacuation enema, preparation of solutions for cleaning the colon (washout). Bladder survey.</p> | <p>Practical demonstrations, practical manoeuvres characteristics for surgery.</p> <p>Virtual laboratory</p> | 2 |
| <p>Wound dressing. Shortening and removal of drain tubes. Redon suction drain. Michel thread and staple removal. Cardio-respiratory resuscitation. Oxygen therapy (mask, nasopharyngeal probe, nasal probe). The bubbler.</p> | <p>Practical demonstrations, practical manoeuvres characteristics for surgery.</p> <p>Virtual laboratory</p> | 2 |
| <p>Nursing of pleurostomies. Types of pleural drainage. Nursing of patients with rectal amputations. Nursing of ostomies.</p> | <p>Practical demonstrations, practical manoeuvres characteristics for surgery.</p> <p>Virtual laboratory</p> | 2 |
| <p>Nutrition of the surgical patient. Gastrostomy and jejunostomy feeding. Nutripompa.</p> <p>Prevention of postoperative complications. Patient mobilization. Prevention of thromboembolism.</p> | <p>Practical demonstrations, practical manoeuvres characteristics for surgery.</p> <p>Virtual laboratory</p> | 2 |

References

1. Peter F. Lawrence: Essentials of General Surgery and Surgical Specialties, 6th edition

Evaluation

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| <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

