

PERIOPERATIVE CARE - CRITICAL CARE NURSING IN SURGERY

LEARNING OUTCOMES

KNOWLEDGE

- KNOWLEDGE OF THE STAGES OF PERIOPERATIVE CARE
- KNOWLEDGE OF PATIENT AND STAFF SAFETY
- KNOWLEDGE OF NURSING CARE REQUIRED AND THE PROCEDURES RELATED TO DIFFERENT SPECIALTIES INVOLVED IN PERIOPERATIVE CARE
- ACQUISITION OF PHYSICAL AND FUNCTIONAL CHARACTERISTICS OF A HEALTHY PATIENT TO DISTINGUISH HIM FROM THE SICK ONE
- PROVIDING STUDENTS WITH THE REQUIRED KNOWLEDGE TO BE ABLE TO TAKE A MEDICAL HISTORY FROM PRIMARILY (THE PATIENT) AND SECONDARY SOURCES
- KNOWLEDGE TO PERFORM AN APPROPRIATE CLINICAL EXAMINATION

SKILLS

- DOCUMENTING THE PATIENT'S HISTORY, MAKING A COMPLETE CLINICAL EXAMINATION
- PERFORMING BASIC AND ADVANCED DIAGNOSTIC AND THERAPEUTIC MANEUVERS IN ALL THE STAGES OF PERIOPERATIVE CARE
- DEVELOPMENT OF A TREATMENT PLAN INDIVIDUALIZED FOR THE PATIENT
- PRESENTATION OF A CLINICAL CASE OF PERIOPERATIVE CARE

COMPETENCES

- ACQUISITION OF ORAL AND WRITTEN COMMUNICATION SKILLS WITH PATIENTS
- ACHIEVING A WORK / PROJECT, PERFORMING SPECIFIC TASKS RESPONSIBLY IN A TEAM ROLE
- APPLYING THE PRINCIPLES OF ETHICS AND PROFESSIONAL ETHICS IN THE FIELD

ECTS CREDITS

2 ECTS

<i>Theoretical courses</i>	<i>Teaching Methodology</i>	<i>Number of hours</i>
The characteristics of the stages of perioperative care: preoperative, operative and postoperative. High-risk surgery: optimisation, prehabilitation, shared decision making and the involvement of the multidisciplinary team.	Oral presentation + multimedia, E-learning. Online platform	3
Preoperative assessment: roles to be fulfilled in the perioperative setting. Taking a patient history, clinical examination, assessment of physiological fitness and risk assessment.	Oral presentation + multimedia, E-learning. Online platform	3



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<p>Operating room. The anesthesia machine. The technical standard for anesthesia.</p> <p>Local-regional anesthesia: rules, types, local anesthetics and devices.</p> <p>Sedation and analgesia of the critical patient.</p> <p>Invasive hemodynamic monitoring.</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>3</p>
<p>The role of the nurse in procedures related to gastrointestinal, hepatobiliary, gynecologic, hernias and breast surgeries. Basic instrumentation, sutures and needles and surgical modalities.</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>3</p>
<p>Nursing care required and the procedures related to ENT, neck/ thyroid/ parathyroid, paediatrics, plastics/ reconstructive, orthopedics, trauma, neurosurgery and ophthalmic surgeries. Basic instrumentation, sutures and needles and surgical modalities.</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>3</p>
<p>Nursing care required and the procedures related to cardiac, vascular, thoracic, geriatric, genitourinary and ambulatory surgeries.</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>3</p>
<p>Postoperative stage: post- anaesthetic care/ recovery rooms.</p> <p>Wound healing, post-operative care and pain management.</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>3</p>

Practical activities	Teaching Methodology	Number of hours
<p>Performing characteristic maneuvers in all the stages of perioperative care: preoperative, operative and postoperative.</p> <p>High-risk surgery: optimisation, prehabilitation, shared decision making and the involvement of the multidisciplinary team.</p>	<p>Practical demonstrations, practical manoeuvres characteristics for Perioperative care. Virtual laboratory</p>	<p>6</p>
<p>Case demonstrations in preoperative assessment: roles to be fulfilled in the perioperative setting. Performing characteristic maneuvers in taking a patient history, clinical examination, assessment of physiological fitness and risk assessment.</p>	<p>Practical demonstrations, practical manoeuvres characteristics for Perioperative care. Virtual laboratory</p>	<p>6</p>
<p>Performing characteristic maneuvers for patient and staff safety, infection control and aseptic principles, the nurses role in assisting with anesthesia and patient positioning in collaboration with other team members, basic instrumentation, sutures and needles and surgical modalities.</p>	<p>Practical demonstrations, practical manoeuvres characteristics for Perioperative care. Virtual laboratory</p>	<p>6</p>



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Performing characteristic maneuvers in procedures related to gastrointestinal, hepatobiliary, gynecologic, hernias and breast surgeries.	Practical demonstrations, practical manoeuvres characteristics for Perioperative care. Virtual laboratory	6
Performing characteristic maneuvers in procedures related to ENT, neck/ thyroid/ parathyroid, paediatrics, plastics/ reconstructive, orthopedics, trauma, neurosurgery and ophthalmic surgeries.	Practical demonstrations, practical manoeuvres characteristics for Perioperative care. Virtual laboratory	6
Performing characteristic maneuvers in procedures related to cardiac, vascular, thoracic, geriatric, genitourinary and ambulatory surgeries.	Practical demonstrations, practical manoeuvres characteristics for Perioperative care. Virtual laboratory	6
Performing characteristic maneuvers in the postoperative stage: post- anaesthetic care/ recovery rooms. Wound healing, post-operative care and pain management.	Practical demonstrations, practical manoeuvres characteristics for Perioperative care. Virtual laboratory	6

References

1. Mark F. Newman MD , Lee A Fleisher MD FACC , Clifford Ko MD MS MSHA FACS : Perioperative Medicine: Managing for Outcome, 2021
2. K Woodhead: Manual of Perioperative Care – An Essential Guide, 2012

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

