



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Anestesiologia

2425-3-I0101D017-I0101D053M

Aims

The objective of the Anesthesiology module, within the Critical Care Nursing course, is to provide students with the fundamentals to understand the goals, delivery methods, and risks associated with anesthesiology techniques.

The program includes:

Pharmacological Basics:

- Pharmacokinetics and pharmacodynamics of general and local anesthetics, as well as analgesics.

General Anesthesia

- Airway management.
- Intraoperative temperature management.
- Intraoperative monitoring.
- Identification and treatment of intraoperative complications.

Regional Anesthesia:

- Techniques of regional anesthesia.
- Local anesthetic toxicity.

Postoperative Pain Management:

- Pain assessment.
- Pharmacological therapy.
- Integration of regional techniques in postoperative pain management.

Contents

The aim of the course is to equip students with the necessary tools for the proper perioperative management of surgical patients.

Detailed program

ANESTHESIOLOGY - Introduction to anesthesia. Different types of anesthesia and choice. General anesthesia. Safety in Anesthesia, and equipments. The Informed Consent to anesthesia. The premedication. Intravenous Anesthesia: Hypnotics. Analgesia in Anaesthesia: Opioids. Inhalation anesthesia. Curare. The Airway management and mechanical ventilation. Local anesthetics. Locoregional anesthesia: central blocks and peripheral blocks. The intravenous infusions in the operating room. Intra-operative and post-operative monitoring. Pre-operative assessment. The Risk in Anesthesia. Patient's posture. Complications of anesthesia. Treatment of Acute Postoperative Pain. Anesthesia in Patients with Concomitant diseases.

Prerequisites

Positive evaluation in the following exams: Fundamentals of Nursing and Midwifery Sciences; Nursing Clinical Methodology; Biomedical Sciences 1; Biomedical Sciences 2; Human Physiology; Clinical Specialty Nursing; Surgical Specialty Nursing.

Teaching form

Lectures delivered in face-to-face mode using the "teledidattica" system

Textbook and teaching resource

Galvagni, Perini (2010) L'infermiere in sala operatoria- McGraw Hill; Chiaranda M. (2022) Urgenze ed Emergenze – Istituzioni, V ed., Piccin; Linee Guida Italian Resuscitation Council e European Resuscitation Council, 2015; Galvagni M., Perini C. (2010) L'infermiere in sala operatoria, McGraw-Hill Education. Chiaranda M., Urgenze ed Emergenze - Istituzioni. 3° edizione. Piccin (2011). Linee Guida Italian Resuscitation Council e European Resuscitation Council 2021.

Semester

3 Year - 2 Semester

Assessment method

A final examination (written with compulsory oral) is planned as follows

Written

Internal Medicine 4 open questions for the extensive check of preparation on the examination programme

General surgery 3 open-ended questions for an extensive preparation check on the syllabus

Anaesthesiology open-question test for extensive checking of preparation on the examination syllabus;

Oral

Critical care nursing Oral test: interview on topics covered in the lecture and examination texts

Office hours

On appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING
