UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Anesthesiology

2021-3-I0101D017-I0101D053M

Aims

Early recognition of critical situations. Nursing in specific clinical situations like shock, respiratory failure, cardiac failure, sepsis. Nursing to patients undergoing to a surgical intervention, concerning the management of the anesthesia. Pharmacology: knowledge of the drugs used in a critical care situation like myorelaxants, volatile anesthetic gases, analgesics. Knowledge of mechanical ventilation, anesthesia and life-support systems. Students will be able to describe the clinical picture of the main diseases that may alter the homeostatic balance and suggest the therapeutic approach; indicate the pathophysiological mechanisms that determine them; identify signs and symptoms related to the considered diseases for the influence on nursing process.

Contents

The course aims to provide students with the ability to identify and manage medical-surgical emergencies related to nursing in a critical context and operating room. The student will be able to program nursing plans to people in the intensive care unit and in an emergency situation.

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, exercises. Group work.

Textbook and teaching resource

Chiaranda M. (2016) Urgenze ed Emergenze – Istituzioni, IV 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 2015.

Semester

3 Year - 2 Semester

Assessment method

Multiple choice questions: for an exhaustive verification of the program.

Office hours

On appoitment