



EMERGENZE MEDICO CHIRURGICHE - channel 1

6 CFU - 1° Semester

Teaching Staff

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LEARNING OBJECTIVES

▪ **Emergency Medicine**

They will be provided with the theoretical and practical tools to recognize their main pathological pictures of Emergency Medicine in the Critical Area and in non-hospital environments. Each of them will be covered pathophysiology, symptoms and the diagnostic-decision processes typical of the majoring in Nursing. The most common therapeutic protocols, both to deal with and manage autonomously will be presented and discussed, and those to be made on the recommendation / prescription and alongside with medical doctor.

▪ **Emergency Surgery**

To obtain basic knowledge on physiopathology, diagnostic examinations and treatment of principal surgical emergency diseases: abdominal trauma, intestinal obstruction, peritonitis and gastrointestinal bleedings

▪ **Anesthesiology and Intensive Care**

The course aims to train the student on the possible anesthetic techniques, on the choice of anesthetic technique based on the patient's criticality and on the surgery to which he/she has to be subjected and on the principles of acute and chronic pain therapy. The course also aims to teach the student the analgesia techniques that can be used in clinical practice.

COURSE STRUCTURE

- **Emergency Medicine**
Frontal lessons.
 - **Emergency Surgery**
Lectures
 - **Anesthesiology and Intensive Care**
Frontal lessons and simulations
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DETAILED COURSE CONTENT

- **Emergency Medicine**
 - Chest pain and dyspnea
 - Clinical and nosographic coma
 - The diabetic comas
 - The hypoglycemic
 - Encephalopathy and hepatic coma
 - Blood gas analysis
 - Alterations of acid-base and electrolyte
 - Syncope
 - Stroke
 - Acute Myocardial Infarction (AMI)
 - Cardiogenic shock
 - Acute pulmonary edema
 - Hypertensive crisis
 - Heart failure
 - Cardiopulmonary arrest - BLS
 - Pulmonary embolism
 - Bronchial asthma
 - Adult Respiratory Distress Syndrome (ARDS)
 - Over dose of opiates and hallucinogens
 - Crisis opiate withdrawal and hallucinogens

- Shock (anaphylactic, cardiogenic, hypovolemic, septic)

▪ **Emergency Surgery**

Abdominal trauma - Intestinal obstruction . Acute peritonitis - Acute appendicitis - Acute cholecystitis - Acute pancreatitis - Diverticular disease - Gastrointestinal bleeding

▪ **Anesthesiology and Intensive Care**

- Anesthesiological risk, anesthesia and preoperative medicine
- Triage and maxi-emergencies
- The patient with cardio-respiratory arrest (BLS-D, PBLs)
- Routes of drug delivery in emergency
- The asphyxiated patient (from a foreign body)
- Sepsis
- Medical emergencies and resuscitative approach
- Poisonings
- Psychiatric emergencies
- Environmental emergencies (burns, electrocutions, drowning)
- Trauma
- Brain death
- Acute post-operative pain
- Pain pathways
- Pathophysiology of pain
- Pain classification and pain assessment scales
- Analgesia and sedation in emergency
- Pharmacological and non-pharmacological therapy of pain
- 38/2010 Law
- Practical activity (BLS, PBLs, venous access, ventilation with ambu ball, acs)

TEXTBOOK INFORMATION

▪ **Emergency Medicine**

- **Medicina di Emergenza e di Pronto Soccorso**

Autors : Mario G. Balzanelli - Antonio Gullo, CIC Edizioni Internazionali

- **Medicina d'Urgenza**

Autors: Anthony F.T. Brown - Michael D. Cadogan, Verducci Editore

- **Harrison - Principi di Medicina Interna, Il Manuale - Edizione Italiana - Mc Graw-Hill**

- **Guida Illustrata delle Emergenze**

Autor: Maurizio Chiaranda, Piccin Editor

▪ **Emergency Surgery**

1) Dionigi - Chirurgia - Edizioni Elsevier

2) D'Amico - Chirurgia Generale - Edizioni Piccin

3) Staudacher - Chirurgia d'Urgenza - Edizioni Masson

▪ **Anesthesiology and Intensive Care**

Manuale di medicina di emergenza e di pronto soccorso

Autori: Mario Giosuè Balzanelli, Antonino Gullo

Editore: CIC Edizioni Internazionali
