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## EMERGENZE MEDICO CHIRURGICHE Nuovo canale 4

6 CFU - 1° Semester

### Teaching Staff

**GAETANO BERTINO** - Module Emergency Medicine - MED/09 - 2 CFU

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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 medicine. The most common international therapeutic protocols

#### ▪ **ANESTESIOLOGIA E RIANIMAZIONE**

The goal of this course is to provide the student with basic theoretical knowledge and specific: general anesthesia and loco-regional anesthesia, emergency medicine, intensive care medicine, pain therapy of acute and chronic pain syndromes, toxicology of urgency.

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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-D
- 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)

▪ **ANESTESIOLOGIA E RIANIMAZIONE**

Anesthesiological risk, regional and general anesthesia, perioperative medicine.

The patient with cardio-respiratory arrest (BLS-D, PBLIS).

Routes of drug administration in emergency.

The patient asphyxiated (foreign body).

Medical emergencies and reanimation therapy.

Environmental emergencies (burns, electrocution, drowning).

Traumas.

Coma.

Pathophysiology of pain.

Classification of pain and rating scales of pain.

Analgesia and sedation in emergency.

Acute post-operative pain.

Neuropathic pain.

Pharmacological and non-pharmacological treatment of pain.

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## **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**

▪ **ANESTESIOLOGIA E RIANIMAZIONE**

Stoelting K., Miller R.D. BASI di ANESTESIA. A.Delfino Ed.2010

Giovanni R., Federico B. ARGOMENTI DI ANESTESIA E RIANIMAZIONE. Piccin 2006

Wijdicks E.F.M. , Rabinsten A. NEUROCRITICAL CARE. Oxford University Press, 2012

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