



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Emergency Surgery

2425-6-H4101D337-H4101D130M

---

#### Aims

Describe the pathophysiological mechanisms, clinical frameworks, monitoring and treatment of the main urgent surgical diseases

#### Contents

Clinical Evaluation of the patient. Guidelines for the restoration and maintenance of vital functions. Severity indexes. Overview of the physiopathology of abdominal pain. Thoraco-abdominal trauma. Bowel occlusion. Peritonitis. Digestive hemorrhage.

#### Detailed program

Evaluation of the traumatized patient and of the patient with an acute abdomen; application of severity scores and prognostic implications

- Abdominal pain in the patient with acute abdomen: pathophysiology, interpretation, diagnostic implications, treatment of pain
- Diagnostics in the trauma patient: evidence-based diagnostic pathways
- The thoracic trauma: primary and secondary evaluation, differential diagnostic paths according to the evidence-based guidelines
- pneumothorax: evaluation and treatment in emergency setting. Overview of thoracic drainage technique

- Cardiac tamponade: assessment and treatment in an emergency setting. Overview of pericardial drainage technique
- Hemothorax: evaluation and treatment.
- Abdominal trauma and hemoperitoneum: clinical evaluation, diagnostics and therapeutic elements. Evidence-based diagnostic paths
- Intestinal obstruction: elements of pathophysiology, clinical evaluation and diagnostics. Conservative or operative treatment according to evidence-based medicine.
- Primitive, secondary or tertiary peritonitis: pathophysiology, differential diagnosis and treatment elements
- Digestive hemorrhages: pathogenesis, differential diagnostic pathway and treatment in the presence or absence of hemorrhagic shock

## **Prerequisites**

To be enrolled in the 6th year of the Master Course in Medicine and Surgery

## **Teaching form**

Lectures

2 Lectures will be held in co-presence with Teachers of anesthesiology

## **Textbook and teaching resource**

Textbook "Emergenze Medico Chirurgiche" G. Tiberio et al ed. MASSON

Slides from the Course

## **Semester**

First semester

## **Assessment method**

See general Syllabus of the Course Urgenze ed Emergenze Medico Chirurgiche

## **Office hours**

By appointment  
luca.gianotti@unimib.it

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION

---