UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Emergency Surgery

2122-6-H4101D358-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

Formal lessons and practice in ER,

subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

Textbook “Emergenze Medico Chirurgiche” G. Tiberio et al ed. MASSON

Slides

Semester

First semester

Assessment method

Quiz (multiple choice, 30 questions). Oral examination

Office hours

By appointment