UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Surgery

2627-5-H4102D043-H4102D148M

Aims

The course aims to equip students with the necessary tools and knowledge to make accurate clinical diagnoses of various surgical diseases, to formulate appropriate differential diagnoses among different pathological entities, and to establish the foundations for correct surgical (and non-surgical) treatment indications by providing technical and strategic tools for treating different diseases.

**dublin descriptors: **

1. Knowledge and Understanding

Acquire knowledge of the principles of diagnosis and treatment of the main benign and malignant surgical diseases of the oesophagus, gastrointestinal tract, pancreas, spleen, abdominal wall, biliary tract, and liver, including the indications for different therapeutic strategies, minimally invasive surgery, and liver transplantation.

2. Applying Knowledge and Understanding

Apply theoretical knowledge to the clinical assessment of surgical patients by formulating diagnoses and differential diagnoses, identifying indications for surgical or conservative treatment, and discussing the main therapeutic strategies according to current scientific evidence and clinical guidelines.

3. Making Judgements

Develop the ability to critically evaluate clinical findings, select the most appropriate diagnostic and therapeutic pathway, recognize indications for emergency and elective surgery, and contribute to multidisciplinary decision-making in the management of surgical patients.

4. Communication Skills

Demonstrate effective communication with patients, their families, and members of the multidisciplinary healthcare

team, using appropriate scientific terminology and professional behaviour when discussing clinical cases and therapeutic options.

5. Learning Skills

Develop autonomous learning skills through the study of scientific literature and national and international clinical guidelines, the analysis of clinical cases, and active participation in educational activities, fostering continuous professional development and evidence-based surgical practice.

Contents

Principle of diagnosis and treatment of benign and malignant pathologies of oesophagus, upper GI, pancreas, lower GI, spleen, abdominal wall, biliary tract and liver with reference to hepatic transplantation.

Detailed program

Use of different surgical technologies (minimally invasive laparoscopic surgery and minimally invasive robotic surgery).
Basics of emergency surgery.
Surgical treatment of abdominal wall defects.
Surgical treatment for esophageal pathology, upper and lower gastrointestinal tract conditions.
Surgical treatment of spleen pathology.
Surgical treatment of pancreatic disease with particular reference to the treatment of pancreatic malignancy.
Surgical treatment of the hepatobiliary tract, with particular reference to the indication for minimally invasive liver surgery and liver transplantation, including for oncological diseases of the liver and intra- and extra-hepatic bile ducts.

Prerequisites

Knowledge of the preparatory courses as indicated in the regulations of the degree course in Medicine and Surgery.

Teaching form

Frontal lessons, mutidisciplinary lessons in presence and will be held in english

Textbook and teaching resource

Lessons on power point slides with references to national and international guidelines
Sabiston. Textbook of Surgery. Saunders

Semester

II Semester

Assessment method

The exam will be carried out in an integrated manner according to the modality envised by the overall digestive disease vertical track which is based on Multiple Choice Test (45 questions)
Oral exam on the topics covered during the lectures, discussion on clinical problem solving and clinical case analysis
All assessments will be done in English language.

Office hours

The teachers are reachable by e-mail.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY