UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Abdominal Surgery

2627-5-H4102D060-H4102D160M

Aims

The course will explore the abdominal pathologies of surgical interest. The lessons will provide the student the necessary knowledge on the general management of a surgical patient, including the indications, contraindications and preoperative evaluation. Surgical techniques will also explored with a focus on surgical anatomy and we will also cite the expected outcomes of the operations together with the post-operative management. The clinical internship will provide students with the necessary skills of communication with patient and relatives, familiarity with the basic surgical maneuvers and with the main surgical operations. The interaction with nurses, residents, senior doctors, as much as with the other students will foster their relational competence, essential for the future work of interaction with collegues.

Dublin descriptors****

1. Knowledge and Understanding
Acquire knowledge of the main abdominal surgical diseases, including their pathophysiology, clinical presentation, diagnostic work-up, indications and contraindications for surgery, preoperative assessment, surgical anatomy, operative techniques, postoperative management, and the treatment of surgical emergencies.

2. Applying Knowledge and Understanding
Apply theoretical knowledge to the assessment and management of patients with abdominal surgical diseases by participating in clinical clerkship activities, analysing clinical cases, contributing to diagnostic and therapeutic decision-making, and becoming familiar with basic surgical procedures and perioperative care.

3. Making Judgements
Develop the ability to critically evaluate clinical findings, prioritize surgical emergencies, select appropriate diagnostic and therapeutic strategies according to current evidence and clinical guidelines, and recognize the importance of multidisciplinary decision-making in abdominal surgery.

4. Communication Skills
Demonstrate effective communication with patients, their families, and members of the multidisciplinary healthcare

team, applying professional behaviour and appropriate clinical terminology in surgical practice.

5. Learning Skills
Develop autonomous learning skills through participation in clinical clerkships, problem-based learning sessions, multidisciplinary case discussions, and the critical appraisal of current scientific literature and clinical guidelines, fostering lifelong learning in abdominal surgery.

Contents

Main analysis and understanding of the surgical aspects and management of the GI disorders

Detailed program

Shared with the Surgery course part of Digestive Health and with the Gastroenterology and Hepatology IV course within Clerkship 9)
General aspects:
management of the surgical patient and particularly of the critical surgical patient
Surgical emergencies:
-intestinal perforation, intestinal obstruction, hemoperitoneum, acute appendicitis, acute diverticulitis, intestinal ischemia: diagnostic clinical aspects and management in relation to priority classes.
Elective surgery:

- oncological diseases of the upper GI and lower GI, presenting clinical scenarios, diagnostic framework, multimodal therapy
- chronic inflammatory bowel diseases: introduction to surgical aspects
- proctology: anal abscess, anal fistula, hemorrhoids, anal fissure

Prerequisites

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

Teaching form

The clerckship sessions will alternate practical sessions (in the surgical wards, in the outpatient clinc and in the operatory room) and interactive activities as follows: frontal lessons with interactive presentation and discussion.
PBL sessions (integrated with the gastroenterological staff)
Multidisciplinary cases discussions

Textbook and teaching resource

Lessons on power point slides with references to national and international guidelines

- Sabiston. Textbook of Surgery. Saunders
- Current Surgical Therapy
  14th Edition - January 9, 2023 Imprint: Elsevier
  Editors: John L. Cameron, Andrew M. Cameron Language: English
  Hardback ISBN: 9780323796835 eBook ISBN: 9780323796842
- Schein's Common Sense Emergency Abdominal Surgery
  Danny Rosin, Paul N Rogers, Mark Cheetham, Moshe Schein

Semester

second 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