UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Gastroenterology and Hepatology IV

2425-5-H4102D060-H4102D200M

Aims

The course aims to provide students the tools and the necessary knowledge for performing a correct clinical diagnosis of the various pathologies of surgical interest related to the GI tract, formulating an adequate differential diagnosis between the various pathologies, and identifying the proper surgical indication and surgical procedure. The knowledge and skills provided during the course will give the student the ability to understand the surgical pathologies, also by means of the physical examination, history-taking and the study of challenge clinical cases.
The clinical internship will make the students understand the treatment algorithm of the main surgical pathologies and the multidisciplinary management of the patients.

Contents

Principle of diagnosis and treatment of benign and malignant pathologies of oesophagus, upper GI, pancreas, lower GI and proctology.

Detailed program

OESOPHAGEAL PATHOLOGY
Evaluate the different investigative studies and identify the proper diagnostic technique: esophagoscopy, esophagography, esophageal manometry, esophagus-gastric pHmetry, echo-endoscopy, CT.
Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the following pathologies: Hiatal hernia and peptic esophagitis; Esophageal achalasia (and DMA); caustic esophageal injury; esophageal diverticula (Zenker, mediothoracic and epiphrenic); esophageal neoplasms (benign and malignant).
UPPER GI PATHOLOGY

Evaluate the different investigative studies and identify the proper diagnostic technique: gastroduodenoscopy, digestive tract x-ray, echo-endoscopy, ultrasound, scintigraphy, CT. Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the following pathologies: gastric ulcer; duodenal ulcer; acute erosive gastritis; gastric precancerous conditions; gastric neoplasms (benign and malignant).
SMALL BOWEL, COLON AND RECTUM-ANUS
Evaluate the different investigative studies and identify the proper diagnostic technique: rectoscopy, rectosigmoidoscopy, colonoscopy, x-ray digestive tract, contrast enema, defecography, intestinal transit time, anorectal manometry, endoscopy, ultrasound, CT, MRI. Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the following pathologies: Crohn's disease and IBD; intestinal diverticulosis; neoplasms of the colon, rectum, anus; polyposis; rectal prolapse; benign anorectal pathology (anal fistulas, hemorrhoids, fissures, pilonidal cysts).
PANCREAS PATHOLOGY
Evaluate the different investigative studies and identify the proper diagnostic technique: endoscopy, ultrasound, echo-endoscopy; cholangiography, CT, MRI.
Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the following pathologies: pancreatic neoplasms; pancreatic cysts; neuroendocrine tumors of the pancreas.

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
F. Minni. Chirurgia Generale. Zanichelli
F. D’Amico. Manuale di Chirurgia Generale. Piccin
References available on the scientific biomedical resource Pubmed

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

QUALITY EDUCATION