



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Gastroenterology and Hepatology IV

2425-5-H4102D060-H4102D200M

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#### 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, medi thoracic 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, multidisciplinary 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 envisaged 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

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