



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Internship in Gastroenterology

2425-3-H4102D070

Aims

The internship in Gastroenterology provides students with the opportunity to gain practical experience in the diagnosis, treatment, and management of gastrointestinal diseases. During the internship, students will work closely with specialist gastroenterologists, participating in outpatient visits, diagnostic and therapeutic interventions, and gaining hands-on experience with endoscopic techniques.

Contents

1. Clinical approach of patients presenting with advanced liver disease in the inpatient and outpatient setting
2. Clinical approach of patients presenting with chronic biliary conditions in the inpatient and outpatient setting
3. Clinical approach of patients with inflammatory bowel disease in the inpatient and outpatient setting
4. Clinical approach to the liver transplant recipient
5. Interventional hepatology (paracentesis, thoracentesis, TIPPS placement, RFA, TACE)
6. Laboratory diagnosis of autoimmune liver diseases
7. Gastrointestinal endoscopy

Detailed program

MOTOR DISORDER OF THE ESOPHAGUS AND GASTROESOPHAGEAL DISEASE - Achalasia; other hypermotility disorders of the distal esophagus and lower esophagus sphincter; esophageal hypomotility disorders. - Gastroesophageal reflux disease and its complications - Barret's esophagus - Esophageal disorders caused by infection, systemic diseases, radiation, trauma and medications - Dyspeptic disease ACID-RELATED DISEASES - Gastritis and gastropathies - Peptic ulcer and complication - Helicobacter Pylori infection - Zollinger- Ellison's syndrome ABDOMINAL PAIN, CONSTIPATION AND DIARRHEA - Cholelithiasis - Chronic constipation - Acute and chronic diarrhea – Irritable bowel syndrome MALABSORPTION - Maldigestion and malabsorption - Celiac disease UPPER AND LOWER GASTROINTESTINAL BLEEDING - Haematemesis and melena - Haematochezia and lower GI bleeding - Obscure gastrointestinal bleeding INFLAMMATORY BOWEL DISEASES - Ulcerative colitis - Crohn's disease - Indeterminate colitis and microscopic colitis - Diverticular disease ACUTE AND CHRONIC HEPATITIS – viral hepatitis, chronic non-viral hepatitis. Wilson's disease and hemochromatosis - Alcoholic liver disease – Cholestatic liver disease - Metabolic liver disease and steatosis - Drug-induced liver injury CIRRHOSIS AND PORTAL HYPERTENSION - Cirrhosis compensated and decompensated - Portal hypertension - Complication of cirrhosis: ascites, spontaneous bacterial peritonitis, hepato-renal syndrome, gastroesophageal varices, hepatic encephalopathy - Liver transplantation TUMOR OF THE LIVER - Primary and secondary tumours of the liver - Focal nodular hyperplasia - Benign liver lesions - Malignant liver lesions: hepatocellular carcinoma, cholangiocarcinoma, epatoblastoma, emangioendotelioma ACUTE AND CHRONIC PANCREATITIS - Acute and chronic biliary pancreatitis - Others (alcoholic, genetic etc.) – Complications.

Prerequisites

Knowledge of basic concepts of the common gastrointestinal diseases such as inflammatory bowel disease, liver diseases, pancreatitis, peptic ulcers, gastrointestinal cancers.

Teaching form

Practical guided observation activities with briefing and debriefing by medical doctors

Textbook and teaching resource

[Sleisenger and Fordtran's Gastrointestinal and Liver Disease 11th](#)

Semester

The course will be accessible throughout the entire year

Assessment method

Oral test at the end of the internship

Office hours

Appointment by email ()

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION
