



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Gastroenterology and Hepatology III

2425-5-H4102D060-H4102D199M

---

#### Aims

To integrate the clinical aspects of the digestive tract presented during the frontal lessons with more specific knowledge about imaging diagnosis by radiological assessment:

1. To provide the basic knowledge of the available imaging modalities for the study of the liver, pancreas and GI system.
2. To understand the indications for the specific imaging modality with awareness of the major strengths and limits of each radiological tool with some tricks for better patient's selection.
3. To see closely how the different imaging modalities work in different clinical scenarios
4. To increase the interest towards non- or mini-invasive diagnosis of gastrointestinal and hepatobiliopancreatic diseases.

#### Contents

Deepening on imaging techniques applied to the study of the liver, biliary tract, pancreas and gastrointestinal tract. Evaluation of the usefulness of various radiological modalities in different clinical scenarios.

#### Detailed program

-Liver:  
Ultrasound, CT, MR - contrast agents - clinical indications  
Benign liver lesions  
Malignant liver tumors  
-Biliary tree:

Ultrasound, CT, MR - contrast agents - clinical indications  
Congenital anomalies  
Infections  
Autoimmune inflammatory diseases  
Biliary cancer  
-Pancreas:  
Ultrasound, CT, MR - contrast agents - clinical indication  
Acute and chronic pancreatitis  
Autoimmune pancreatitis  
Benign pancreatic lesions  
Cystic tumors and premalignant lesions - classification and follow up  
Pancreatic cancer  
Neuroendocrine tumors - classification and clinical implications  
-GI:  
Ultrasound, CT, MR - contrast agents - clinical indications  
Congenital anomalies  
Functional disorders  
Inflammatory bowel diseases  
Esophageal, gastric and colorectal cancer  
Neuroendocrine tumors

## **Prerequisites**

Propaedeutic skills and advanced knowledge in anatomy, semeiology, biology and molecular biology.

## **Teaching form**

Alternating practical sessions in the medical units and interactive activities as follows:  
Lectures with interactive presentation and discussion.  
PBL sessions  
Multidisciplinary cases discussions  
Inpatients & Outpatients activities:  
Ultrasound, Computed Tomography and Magnetic Resonance - attendance during exam execution.

In case of pandemic resurgence the lessons will be through webinar.

## **Textbook and teaching resource**

Reviews and educational papers available on <https://pubs.rsna.org/journal/radiographics> or other resources through <https://pubmed.ncbi.nlm.nih.gov/>

## **Semester**

Second semester

## **Assessment method**

The exam will be carried out in an integrated manner according to the modality envisaged by the digestive disease vertical track which is based on:

End of Clerkship evaluation, which includes: >70% attendance and confirmation by the tutor of the required practical skills

these requirements shall allow the access to:

- Multiple Choice Test (15 questions) + Open questions (3 questions)

All assessments will be done in English language

The evaluation of clerkship 9 shall be: Idoneous or Non Idoneous (and is considered propedeutic to the general exam of the Digestive disease Tract exam (Oral exam on the topics covered during the lectures, discussion on clinical problem solving and clinical case analysis)

- In the event of pandemic emergency period, only telematics exams may be available. They will be carried out using the WebEx platform and on the e-learning page there will be displayed a public link where possible virtual spectators may get access and assist to the examination

## **Office hours**

The professor receives by appointment upon agreement by e-mail

## **Sustainable Development Goals**

QUALITY EDUCATION | GENDER EQUALITY

---