



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Gastroenterology and Hepatology II

2324-5-H4102D085-H4102D203M

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#### Aims

The aim of the Clerkship 9 (subdivided in two sections: Gastroenterology & Hepatology I e II) are:

A) To integrate the knowledge of the digestive tract (liver, pancreas & intestine) completing and elaborating on the argument presented during the frontal lessons through:

1. To provide the basic knowledge the digestive system in health and disease. Provide the necessary knowledge of the aetiology, pathophysiology, diagnosis, differential diagnosis of the digestive systems.
2. To understand the indications for the diagnostic testing, and the role of endoscopy and of imaging. To provide the theoretical and practical knowledge for the correct prescription of diagnostic imaging based on the clinical question, and for correct interpretation of first level diagnostic imaging.
3. To understand the principle of medical treatment of digestive system diseases and the concepts of prevention and the relevant life-style measures.

B) to acquire skills on semeiology, diagnosis, treatment and management of the digestive disease tract

practical skills to be acquired:

History taking and diary & chart management  
physical examination of the patients with digestive tract diseases  
Interpretation of biochemical and serological test to be utilized in GI tract  
interpretation of imaging technique of the GI tract  
indications and Interpretation of the endoscopic procedures of the GI Tract  
medical therapies of the GI Tract  
patient communication  
relationship with colleagues and health personell

#### Contents

Main description of Liver, Pancreas & Digestive disease tract diseases: epidemiology, pathophysiology, clinical presentation, diagnosis & management, integrated by the acquisition of practical skills the management of patients with digestive tract diseases

## Detailed program

Gastroenterology Section:

- GI Bleeding: Clinic, diagnosis & management
- Upper GI: Oesophageal disorders; Functional disorders MRGE (and NERD); Peptic disorders
- GI tract Tumours: Pathology & Diagnostic; Clinical Gastroenterology; Endoscopy; Surgery
- IBD: Pathology & Diagnostic; Clinical Gastroenterology; Endoscopy; Surgery
- Celiac disease: Pathology & Diagnostic; Clinical Gastroenterology; Endoscopy
- NET tumours
- Acute abdomen: Clinic, diagnosis and management
- Pancreas: pancreatitis (Acute & Chronic), Pancreatic tumours

## Prerequisites

Propaedeutic skills & Advanced knowledge in anatomy, semeiology, biology and molecular biology.

## Teaching form

the clerkship sessions are divided in the following teaching modality, alternating practical sessions in the medical units and interactive activities as follows:

Lectures with interactive presentation and discussion.

PBL sessions

Multidisciplinary cases discussions

attendance of the following activities:

Inpatients & Outpatients:

- patient History (supervised activity)
- acquisition/interpretation of biochemical, microbiological, instrumental reports ( supervised activity)
- physical examination of the patient (supervised activity)
  - US Scan (observation & acquisition of basic theoretical Skills)
  - Endoscopy (observation & acquisition of basic theoretical Skills)

The ratio Student/Tutor is 1:1

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

## Textbook and teaching resource

- Harrison's Principles of Internal Medicine: The 20th edition of the book, edited by Dennis Kasper, Anthony Fauci, Stephen Hauser, Dan Longo, J. Larry Jameson and Joseph Loscalzo, (17 August 2018). The 21st edition of the book to be released on 28 March 2022
- Zakim and Boyer's Hepatology. A Textbook of Liver Disease. Seventh Edition (2018) (Edited by: Arun J. Sanyal, Thomas D. Boyer, Norah A. Terrault, and Keith D. Lindor)
- Sleisenger and Fordtran's Gastrointestinal and Liver Disease- 2 Volume Set Pathophysiology, Diagnosis, Management. 11th Edition - June 9, 2020. Authors: Mark Feldman, Lawrence Friedman, Lawrence Brandt
- Clinical Gastrointestinal Endoscopy: A Comprehensive Atlas. (2018) Ed. Hoon Jai Chun, Suk-Kyun Yang, Myung-Gyu Choi
- Malattie Dell'apparato Digerente 2019-2022: Unigastro (Editrice Gastroenterologica Italiana)
- Reviews

## **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 (45 questions)

All assessments will be done in English language

The evaluation of clerkship 9 shall be: Idoneous or Non Idoneous (and is considered propedeutical 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 might 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**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY

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