UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Gastroenterology and Hepatology I

2223-5-H4102D082-H4102D156M

Aims

The aim of the Clerckship 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 collegues and health personell

Contents

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

Detailed program

Hepatology

- Chronic hepatitis (Pathology & Diagnostic Clinical Hepatology): Viral Hepatitis, Storage diseases, Acute & Chronic alcoholic hepatitis; Cholestatic liver diseases;
- Autoimmune liver disease, Drug Induced Liver disease (DILI; Non-alcoholic Fatty liver disease (NAFLD/MAFLD/DAFLD)
- Cirrhosis: Staging systems; Portal hypertension (Ascites, Collateral circles, Hepatic encephalopathy)
- Acute on Chronic Liver Failure (ACLF): Physiopathology, Clinic & Management
- Acute Liver Failure: Physiopathology, Clinic & Management
- Hepatocellular Carcinoma (HCC): Pathology & Diagnostic Clinical Hepatology; Interventional Radiology; Surgery
- Cholangiocarcinoma: Pathology & Diagnostic; Clinical Gastroenterology; Endoscopy; Surgery
- Liver transplant: Indications/Complications

Prerequisites

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

Teaching form

the clerckship sessione are subdivided in the following teaching modality, alternating prasctical 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
US Scan
Endoscopy
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 envised by the 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
The evaluation of clerckship 9 shall be: Idoneous or Non Idoneous (and is considered propedeutical to the general exam of the Digestive disease Tract exam)

• In the event of pandemic emergency period, only telematics exams will 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

GENDER EQUALITY