



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Abdominal Surgery

2324-5-H4102D085-H4102D160M

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#### Aims

The aim of the Abdominal Surgery section of Clerkship 9 are:

A) To integrate the knowledge on the surgical management of the disorders of the digestive tract (Esophagus, stomach, intestine, liver pancreas, spleen, portal system, abdominal wall) completing and elaborating on the arguments presented during the frontal lessons by:

1. providing the basic knowledge on surgical management, including physiopathology of the surgical trauma response, surgical nutrition, surgical infections, perioperative medicine
2. providing the necessary knowledge on the surgical aspects of the disorders of the digestive system and the abdominal wall
3. providing the knowledge on the surgical indications, contraindications, preoperative evaluation (including appropriate tests), surgical techniques and outcomes for the aforementioned disorders
4. providing familiarity with the surgical process, including history taking and diary & chart management physical examination of the patients, surgically oriented Interpretation of laboratory test, endoscopy and imaging, medical management of the surgical patient, basic surgical maneuvers
5. providing familiarity with the skills of communication with patient and relatives
6. providing familiarity with the the relationship with colleagues and health personel

#### Contents

Main analysis and understanding of the surgical aspects and management of the GI disorders

#### Detailed program

(Shared with the General Surgery part of the GI Track)

General aspects of perioperative medicine:

- physiopathology of the response to surgical trauma
- surgical infections
- nutrition in surgery
- the concept of ERAS (Enhanced Recovery After Surgery)

Surgical management of the following digestive and abdominal disorders: Indications, techniques, results

- benign disorders of the esophagus: Diverticula, Achalasia Gastroesophageal reflux
- malignant neoplasms of the esophagus
- benign disorders of the stomach: volvulus, foreign bodies, benign neoplasms
- malignant neoplasms of the stomach
- benign disorders of the small and large bowel , benign neoplasms, IBD , volvulus, intestinal occlusion
- malignant neoplasms of the small and large bowel
- disorders of the anus: Fissures, Hemorrhoids, fistula, neoplasms, condylomata
- benign disorders of the liver: cysts, angiomas, adenomas , nodal focal hyperplasia
- malignant neoplasms of the liver: primary and metastatic
- liver transplantation
- portal hypertension
- benign disorders of the bile ducts: lithiasis of the gallbladder, and of the intra- and extrahepatic ducts
- malignant neoplasms of the bile ducts
- benign disorders of the pancreas: acute and chronic pancreatitis, cysts and pseudocysts
- endocrine neoplasms of the pancreas
- malignant neoplasms of the pancreas
- disorders of the spleen

Anatomy, physiopathology, natural history and surgical repair of abdominal hernias: hiatal and other diaphragmatic hernias, inguinal and crural, hernias, incisional hernias, general aspects of less common hernias (epigastric, lateral ventral, ischiatic, obturator hernias)

Acute abdomen: peritonitis, intestinal occlusion, hemoperitoneum: Clinical features, assessment and surgical management.

Transplantation of the the lung, the pancreas, the small bowel the kidney

## Prerequisites

knowledge of the preparatory courses as indicated in the regulations of the degree course in Medicine and Surgery.

## Teaching form

the clerkship sessions will alternate practical sessions (in the surgical wards, in the outpatient clinic and in the operating room) and interactive activities as follows:  
Frontal lessons with interactive presentation and discussion.

PBL sessions (integrated with the gastroenterological staff)

Multidisciplinary cases discussions

In case of pandemic resurgence the lessons will be through webinar

## **Textbook and teaching resource**

Suggested Textbook: Sabiston textbook of surgery, the biological basis of modern surgical practice  
By Courtney Townsend. 21st edition. Elsevier 2021

## **Semester**

V Year, second 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

The evaluation of clerkship 9 shall be: Idoneous or Non Idoneous (and is considered propedeutical to the general exam of the Digestive disease Tract)

- 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**

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

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