UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Surgery

2223-5-H4102D043-H4102D148M

Aims

The course aims to provide students the tools and the necessary knowledge for performing a correct clinical diagnosis of the various pathologies of surgical interest, formulating an adequate differential diagnosis between the various pathologies, and identifying the proper surgical indication and surgical procedure. The knowledge and skills provided during the course will give the student the skills to understand the surgical pathologies, also by means of the physical examination, history-taking and the study of challenge clinical cases.
The clinical internship will gradually provides the student the skills to perform invasive and practical procedures in the basic management of the surgical patient.

Contents

see the detailed program

Detailed program

PATHOLOGY OF THE TENUE, COLON AND RECTUM-ANUS
Evaluate the different investigative studies and identify the proper diagnostic technique: rectoscopy, rectosigmoidoscopy, colonoscopy, x-ray digestive tract, blank abdomen, enema, opaque enema, defecography, intestinal transit time, anorectal manometry, endoscopy, ultrasound, CT, MRI. Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the following pathologies Acute appendicitis; Enteritis segment it; Intestinal obstructions (mechanical ileus, dynamic ileus); Crohn's disease and RCU; Intestinal diverticulosis; Intestinal perforations; Neoplasms of the colon, rectum, anus; Polyposis of the colon; Rectal prolapse; Benign anorectal pathology: anal fistulas, hemorrhoids, fissures, pilonidal cyst.

HEPATIC AND BILIARY PATHOLOGY
Evaluate the different investigative studies and identify the proper diagnostic technique: endoscopy, ultrasound, cholangiography, scintigraphy, angiography, CT, MRI; Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the following pathologies: Acute and chronic alithiasic cholecystitis; Calculosis of the gallbladder and biliary tract; Stenosis of the papilla of Vater (Organic, from sclerosis); Neoplasms of the biliary tract; Hepatic neoplasms; Portal hypertension; Echinococcosis of the liver.
5. PATHOLOGY OF THE PANCREAS AND THE SPLEEN
Evaluate the different investigative studies and identify the proper diagnostic technique: ultrasound, angiography, CT, MRI, Ecoendoscopy; Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the following pathologies: Acute pancreatitis; Chronic pancreatitis; Pancreatic neoplasms; Pancreatic cysts and pseudocysts; Splenic trauma; Surgical Diseases of the Spleen.
TRANSPLANT SURGERY
Definition of the brain death and the cardiac death criteria. Current regulation regarding organ donation/transplantation. Surgical technique of the multiorgan procurement. Surgical techniques in solid organ transplantation (heart, lung, liver, kidney, pancreas, small bowel).
Principles of transplant immunology, therapeutic approach to organ transplantation and general aspect of immunosuppression drugs.

Prerequisites

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

Teaching form

Lessons from the chair and internship will be provided in presence

Textbook and teaching resource

Sabiston. Textbook of Surgery. Saunders
F. Minni. Chirurgia Generale. Zanichelli
F. D'Amico. Manuale di Chirurgia Generale. Piccin

Semester

2 semester

Assessment method

refer to the indication provided

Office hours

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Sustainable Development Goals

GOOD HEALTH AND WELL-BEING