



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

General Surgery B

2223-6-H4101D336-H4101D208M

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

Epigastric hernias, inguinal, femoral, umbilical, incisional hernias, internal hernias and rare hernias. Benign and malignant surgical disease of the breast and the thyroid. Surgical parathyroid disorder. Surgical diseases of the spleen. Neuroendocrine tumors. Thoraco-abdominal trauma.

General aspects regarding the surgical technique used in the treatment of the aforementioned pathologies. Notions of the common surgical pathologies in pediatric patients. The surgery in the elderly.

Detailed program

1.HERNIA PATHOLOGY Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical procedures in relation to the following pathologies: inguinal hernias; crural hernias; umbilical hernias; epigastric hernias; incisional hernias; internal hernias; rare hernias (perineal, lumbar, etc.).

2.BREAST PATHOLOGY

Define the rationale, Evaluate the different investigative studies and identify the proper diagnostic technique in the diagnostic approach to the breast pathology.

Therapeutic indications of the main inflammatory diseases of the breast (mastitis, mastopathy etc.). Breast tumors: epidemiology, etiopathogenesis, progression and natural history, complications, morphological pictures, staging; indicate the role - also as prognostic factors - of breast cytology and histopathology.

3.PATHOLOGY OF THE THYROID AND PARATHYROID

Evaluate the different investigative studies and identify the proper diagnostic technique: ultrasound, scintigraphy, biopsy, TC, RNM.

Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical procedures in relation to the following pathologies: benign and malignant diseases of the thyroid and parathyroid; surgical hyperparathyroidism.

4.SURGICAL DISEASES OF THE SPLEEN

Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical procedures in relation to the following pathologies: splenic artery aneurysm, splenic cyst, splenic abscess, idiopathic thrombocytopenic purpura, splenomegaly and hypersplenism, benign and malignant tumor of the spleen.

5.NEUROENDOCRINE TUMORS

Evaluation and general pathogenetic classification of the following pathologies: carcinoids; gastrinomas; Neuroendocrine tumors of the pancreas; general aspects on multiple endocrine syndromes (MEN). The student must know: epidemiology, etiopathogenesis (risk factors and general principles of genetics), notions of pathological anatomy, clinical pictures, laboratory and instrumental diagnostic possibilities.

6.THORACO-ABDOMINAL TRAUMA

Evaluate the different investigative studies and identify the proper diagnostic technique. 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 main common thoraco-abdominal trauma. Describe the rationale and principles of liver, spleen and pancreas trauma classifications and fundamentals in management guidelines.

7.COMMON SURGICAL PATHOLOGIES IN PEDIATRIC PATIENTS

Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical procedures in relation to the following pathologies: phimosis; pyloric stenosis, congenital hernias; cryptorchidism; intussusception, and appendicitis.

8.SURGERY IN THE ELDERLY

Tailoring surgery to elderly patients with cancer. Shared decision-making for elderly patient with surgical condition. Molecular and biological markers of ageing.

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, subject to any ministerial changes following the

COVID pandemic situation. Language of the teaching: ITALIAN

Textbook and teaching resource

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

Semester

6th year; FIRST SEMESTER

Assessment method

The final exam consist of two part: written test consisting of 30 multiple choice question (4 answers, only 1 correct) regarding course topics and topics included in the syllabus and oral exam with questions on course topics and topics included in the syllabus.

Passing the written test is an indispensable condition for moving to the oral exam.

The written test is considered passed if no less than 18 answers are correct.

Written and oral exams will take place in person in compliance with safety and distancing rules. Any other changes regarding the COVID pandemic situation will be properly communicated to the students by the competent educational facilities.

Office hours

Only by appointment by e-mail.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING
