



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

General Surgery B

2122-6-H4101D336-H4101D208M

Aims

The course aims to lead the student to have the tools and knowledge necessary to make a correct clinical diagnosis of the various pathologies of surgical interest and to formulate an adequate differential diagnosis between the various pathological entities. The notions provided in the course will allow the student, in addition to the recognition of the various pathologies, to have a clinical and practical basis for understanding the pathologies of surgical interest also through the physical examination and the use of clinical cases. During the internship, the student must acquire complete professionalism in the surgical field. The clinical internship will allow the student to practice invasive and practical maneuvers in the basic management of the surgical patient

Contents

SURGICAL CLINIC: The surgical patient: pre, peri and post-operative risk assessment. Metabolism and homeostasis of the surgical patient.

Epigastric, inguinal, crural, umbilical, hernia, internal hernias and rare hernias. Breast neoplasms, benign and malignant surgical pathologies of the thyroid gland, surgical pathologies of the spleen. Notions and main neonatal and early childhood surgical pathologies. Surgery in the elderly.

Notes on the main surgical techniques used to treat the aforementioned pathologies.

CLINIC PROFESSIONAL TRAINING

SURGICAL: Physical examination aimed and specific to the surgical path

Detailed program

1. HERNIARY PATHOLOGY Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general lines of the main surgical interventions in relation to the following pathologies: Inguinal hernias; Crural hernias; Umbilical hernias; Epigastric hernias; Laparoceli; Internal hernias; Rare hernias (perineal, lumbar, etc.).

2. BREAST PATHOLOGY Define the rationale for choosing by priority and by sequence of the different "imaging" techniques in the diagnostic approach of the main diseases: head, neck, chest, breast, app. cardiovascular, abdomen, app. musculoskeletal and articular. Therapeutic indications of the main inflammations involving the mammary gland (mastitis, mastopathy etc.). Breast tumors: epidemiology, etiopathogenesis, progression and natural history, complications, morphological pictures, staging; indicate the role - also as prognosis factors - of aspiration cytodiagnosics, histopathology.

3. THORACO-ABDOMINAL TRAUMAS Evaluate the diagnostic yield and then identify the correct indications of the various instrumental investigation methods: blank abdomen, ultrasound, scintigraphy, chest x-ray (parenchyma and bone structures), CT, MRI. Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general lines of the main surgical interventions in relation to the following pathologies: Trauma of the parenchymatous organs (Liver, spleen and pancreas); Trauma of the hollow organs (Stomach, Intestine); Trauma of the large abdominal vessels; Trauma of the chest.

4. PATHOLOGY OF THE THYROID AND PARATHYROIDS Evaluate the diagnostic yield and then identify the correct indications of the various instrumental investigation methods: ultrasound, scintigraphy, biopsy, C, RNM; Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general lines of the main surgical interventions in relation to the following pathologies: Benign thyroid neoformations; Neoplasms of the thyroid gland; Surgical hyperparathyroidism.

5. ROUTINE PEDIATRIC SURGERY To evaluate and identify the main pediatric pathologies of surgical interest. Recognize the clinical pictures and give indication to the surgical act in the following pathologies: Phimosis; Congenital inguinal hernia; Cryptorchidism; Pyloric hypertrophy; Intestinal invagination

6. NEUROENDOCRIN NEOPLASIA Evaluation and general pathogenetic classification of the following pathologies: Carcinoids; Gastrinomas; Neuroendocrine tumors of the pancreas; notes on multiple endocrine syndromes (MEN). The student must know: epidemiology, etiopathogenesis (risk factors and hints of genetics), notions of pathological anatomy aimed at the clinic, symptoms, clinical objectivity, laboratory, radiological and instrumental diagnostic possibilities, 'prognostic classification.

Prerequisites

Knowledge relating to the preparatory courses indicated in the regulations of the degree course of Medicine and Surgery

Teaching form

Lessons will be provided in presence, subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

Dionigi – “Chirurgia” Ed. Masson Sabiston – “Textbook of surgery” Ed.

Saunders Scortecci - “Chirurgia Generale Ed. Cortina Bellantone, De toma, Montorsi “Chirurgia Generale “Ed. Minerva

Semester

First Semester

Assessment method

Written exam: multiple choice quiz with 5 answers of which only one is correct (30) Oral exam

In the period of the Covid-19 emergency, oral exams will only be telematic. They will be carried out using the WebEx platform and on the e-learning page of the course a public link will be shown for access to the exam of possible virtual spectators.

Office hours

By appointment
