UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

General Surgery 1

2021-2-I0101D025-I0101D064M

Aims

The course aims to provide students with the knowledge of main human diseases and treatments, considering pharmacological and surgical approaches. At the end of the course, students will be able to identify and respond to patients needs in a general surgery setting, using the nursing process. Students will also know: the main classifications of surgical intervention related to complexity, level of urgency and purpose and the different ways of caring in a surgical context; the organization of staff and process in an operating suite; the role and competencies of the primary nurse; the goals and evaluation of health education interventions.

Contents

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Detailed program

Stomach: anatomy and physiology of secretion; gastric ulcer (epidemiology, pathogenesis, HP, clinic, diagnosis, medical and surgical treatment); stress ulcer; malignant neoplasms (histologies, risk factors, classification, TNM, clinical, diagnosis, surgery, oncology and palliative). Esophagus: diverticula to drive and traction; reflux disease and hiatal hernias; varices; Barrett's esophagus. Malignancies: Colorectal: acute appendicitis (clinical diagnosis, severity, surgical therapy); diverticular disease (etiology, diagnosis, complications, medical and surgical therapy); outline of chronic inflammatory diseases; malignancies (precancerous lesions, histological types, risk factors,

classification, TNM, clinics, diagnosis, surgery, oncology and palliative therapies); the ileum and colostomies. Pancreas: mild and severe acute pancreatitis (definition, pathophysiology, clinical, medical and surgical treatment, late complications); chronic pancreatitis (idem). Exocrine neoplasms (epidemiology, histological types, clinics, diagnosis, surgery and its complications). Notes of the endocrine cancers (insulinoma, gastrinoma, glucagonoma). Liver: surgical anatomy; diagnostic instruments (ultrasound, CT, MRI); primary and secondary cancers. Biliary tract: cholelithiasis; cholecystitis; choledocholithiasis. Cholangitis. Anus: digital rectal examination; the symptoms and signs of anal disease; prolapse; hemorrhoids; fissures; abscesses; fistulas; cancer. Hernias: anatomy of the inguinal canal and the spermatic cord; frequent types of hernia (direct and indirect inguinal, femoral, umbilical, congenital); clinical diagnosis; complications of hernias; surgical therapy (front and laparoscopic): notes of the intervention and postoperative complications; incisional hernias. Postoperative complications: wound (dehiscence, hematoma, seroma, infection); risk factors for infectious complications; fever (meaning, causes and types); respiratory complications (atelectasis, pleural effusion, pneumonia, edema, embolism); cardiac complications (hypertension, ischemia / infarction, arrhythmias); renal complications (retention, IRA); gastrointestinal complications (ileus paretic and mechanical compartment syndrome, bleeding, colitis, dehiscence, fistulas, liver failure, colostomies); neurological complications (postoperative delirium).

Prerequisites

Positive evaluation in these previous examinations: Fundamentals of Nursing and Midwifery Sciences; Nursing Clinical Methodology; Biomedical Sciences 1; Human Physiology.

Teaching form

During the Covid-19 emergency period, the lessons will take place using the webex platform with asynchronous / synchronous recorded lessons. Lectures including presentations in electronic form of drawings and diagrams, exercises. Group work.

Textbook and teaching resource

Lise M. (2006) Chirurgia per le professioni sanitarie, Piccin; Cella S.G., Di Giulio A.M., Gorio A., Scaglione F. (2010) Farmacologia generale e speciale per le lauree sanitarie, Piccin; Amico-Roxas M., Caputi A.P., Del Tacca M. (2005) Compendio di farmacologia generale e speciale. Torino, UTET Scienze mediche;; Benci L. (2008) Manuale giuridico professionale per l'esercizio del nursing, McGraw-Hill, V ed.; Saiani L., Brugnolli A. (2011) Trattato di Cure Infermieristiche, Casa Editrice Idelson-Gnocchi; Smeltzer S.C., Bare B., Hinkle J.L., Cheever K.H. (2010) Brunner - Suddarth Infermieristica medico-chirurgica – Vol. 1, Casa Editrice Ambrosiana, IV ed.; Centers for Disease Control and Prevention "Linee guida per la prevenzione delle infezioni del sito chirurgico 1999". Giornale Italiano delle Infezioni Ospedaliere 6 (4): 157 – 184; National Collaborating Centre for Women's and Children's Health, National Institute for Health and Clinical Excellence (2008) Surgical site infection: prevention and treatment, RCOG Press. Download da: https://www.nice.org.uk/guidance/CG74; Comodo N., Maciocco G. (2011) Igiene e sanità pubblica. Manuale per le professioni sanitarie, Carocci Faber; Auxilia F., Pontello M. (2012) Igiene e sanità Pubblica – Educazione sanitaria, strategie educative e preventive per il paziente e la comunità, Piccin; Mislej M., Paletti F. (2008) L'infermiere di famiglia e di comunità e il diritto di vivere a casa anche quando sembra impossibile…, Maggiolini.

Semester

2nd Year, 1st Semester

Assessment method

During the Covid-19 emergency period, written exam will be carried out using the esamionline platform and consists of open questions with short answers, and multiple choice questions . To pass the examination the student must attain sufficiency in the overall score (?18/30) and in each nursing discipline (Surgical nursing and Community nursing)

Office hours