UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Pharmacology and Chemotherapy

2021-3-H4601D014-H4601D038M

Aims

At the end of the course the student will know the p_____

Contents

The program will examine the pharmacological properties of the main chemotherapeutic agents used in dentistry.

Detailed program

Classification of antimicrobial drugs - Spectra, mechanisms of activity, and specific targets of the main classes of bacteriostatic and bactericidal antibiotics - Drug resistance, antimicrobial drug associations, antibiotic prophylaxis - Complications of antibiotic therapy - Criteria for an appropriate antibiotic usage in relationship to the pathogenic agent and patient typology - Penicillins, cephalosporins, and other beta-lactam antibiotics – Other cell-wall antibiotics – Tetracyclines, chloramphenicol, aminoglycosides, macrolides, lincosamines – Sulphamides, trimethoprim, cotrimoxazole – Chinolones and urinary antiseptics – Antitubercular drugs – Antifungals – DNA and RNA antivirals - HIV antiretrovirals – Antimalarial drugs – Principles of anticancer chemotherapy – Antimetabolite, antibiotic, alkylating, mitotic spindle inhibitor and other chemotherapeutic agents – Steroidal and non-steroidal chemotherapeutics - Targeted anti-cancer therapy.

Prerequisites

Knowledge acquired during all preparatory courses indicated in the dentistry degree course plan.

Teaching form

During the Covid-19 emergency the lectures will be delivered from remote in asynchronous/synchronous manner

Textbook and teaching resource

F.J. Dowd, B.S. Johnson e A.J. Mariotti “Pharmacology and Therapeutics for Dentistry”, VII edizione, Elsevier,

Goodman & Gilman “Le Basi Farmacologiche della Terapia”, XIII Edizione, Zanichelli, 2019.

Goodman & Gilman “Le basi farmacologiche della terapia – Il manuale”, II Edizione, 2015.

Semester

First semester.

Assessment method

During the Covid-19 emergency the exams will be oral carried out electronically from remote using the WebEx

Office hours

On appointment.