UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Pharmacology and Chemotherapy

2425-3-H4601D014-H4601D038M

Aims

At the end of the course the student will know the pharmacological properties of the different groups of the chemotherapeutic agents commonly employed in dentistry, particularly their mechanisms of action and fate in the organism.

Contents

The program will examine the pharmacological properties of the main chemotherapeutic agents used in dentistry (antobacterials, antifungals, antivirals).

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 – Tetracyclines, macrolides, lincosamines – Antifungals – Antivirals for the treatment of Herpes viral infections.

Prerequisites

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

Teaching form

Teaching with different teaching methods:
4 frontal lessons of 2 hours
1 interactive lesson on presentation and discussion of scientific works

Textbook and teaching resource

Matilde Amico Roxas "Farmacologia in odontoiatria", EDRA
Fang - Menhall "Guida pratica all'uso dei farmaci odontoiatrici per algoritmi", EDRA

Semester

First semester.

Assessment method

The exam is written (joint with Pharmacology). It will be carried out using the "esamionline" platform and consists of open questions and multiple choice quizzes on the topics covered in class.

Office hours

On appointment (write to: laura.musazzi@unimib.it)

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY