



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Farmacologia Clinica e Chemioterapia

2627-3-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 Antimicrobials - Spectrum of activity, mechanisms of action, and specific targets of the main classes of bacteriostatic and bactericidal drugs - Drug resistance, combinations of antimicrobial drugs, antibiotic prophylaxis - Complications of antibiotic therapy - Selection criteria for the appropriate use of antibiotics and chemotherapeutic agents based on the pathogen and patient characteristics - penicillins, cephalosporins, and other beta-lactams – tetracyclines, macrolides, lincosamides – quinolones/fluoroquinolones, nitromidazoles – Drugs for fungal infections – Drugs for herpes virus infections – antiseptics and disinfectants – discussion of pharmacovigilance cases drawn from the literature.

Prerequisites

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

Teaching form

Instruction using various teaching methods:

5 two-hour lectures

All classes include an interactive segment for questions and clarifications

Textbook and teaching resource

Matilde Amico Roxas "Farmacologia in odontoiatria", EDRA

Fang - Menhall "Guida pratica all'uso dei farmaci odontoiatrici per algoritmi", EDRA

Materials provided by the professor.

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: elena.bresciani@unimib.it)

Sustainable Development Goals

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