UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Pharmacology (blended)

2526-2-I0101D025-I0101D065M

Aims

The course aims to provide the student with knowledge relating to some of the most important human pathologies and the principles for their treatment with pharmacological approaches. The training course is aimed at providing the student with an integrated view of the main classes of drugs, their expected effects and the undesirable effects that can be expected.

Contents

The course will focus on the main classes of drugs that the student will likely himself administer during the internship and later in his professional life. Particular emphasis will be given to the most common prescription drugs, including antibiotics and NSAIDs, but drugs active on the central nervous system and cardiovascular system will also be briefly treated. For each class of drugs, the adverse effects that the nurse must be able to recognize and report will be highlighted. The aim is to implement skills to promote a multidimensional clinical approach according to a global vision of the concept of health, promoting awareness of gender differences in the healthcare field.

Detailed program

1. Local and general anesthetics
2. Muscle relaxants (curari)
3. Central nervous system drugs:

- Sedatives, anxiolytics, hypnotics
- Antidepressants

- Antipsychotics (neuroleptics)
- Antiepileptics
- Parkinson's drugs
- Alzheimer's drugs

4. Analgesic drugs:

- Central nervous system analgesics (opiates) and antagonists

5. Respiratory system drugs:

- Bronchodilators
- Antiasthmatics
- Cough relievers

6. Gastrointestinal system drugs:

- Antacids and antiulcers
- Laxatives, antidiarrheals
- Antiemetics and prokinetics

7. Neuroendocrine and metabolic system (??):

- Corticosteroids
- Insulin and oral hypoglycemics
- Thyroid hormones
- Estroprogestins and androgens

8. Endocrine system Cardiovascular:

- Antihypertensives (central and peripheral, diuretics, ACE inhibitors and ARBs, vasodilators)
- Antianginals
- Antiarrhythmics
- Drugs for heart failure
- Drugs that affect coagulation (anticoagulants, thrombolytics, antiplatelet drugs, hemostatics)
- Antilipidemics (statins)

9. Anti-rejection drugs

10. Emergency medications

11. Hematological drugs

Prerequisites

Knowledge acquired during all preparatory courses indicated in the course plan

Teaching form

Lessons will be provided in attendance. Some lessons will be given through the approach Teledidattica

Textbook and teaching resource

Amico-Roxas M., Caputi A.P., Del Tacca M. (2021) Compendio di farmacologia generale e speciale. Torino, UTET Scienze mediche

Semester

2nd Year, 1st Semester

Assessment method

Written examination composed of multiple choice questions and open questions.
In the exam of Clinical Nursing Methodology 2 it is necessary to achieve the sufficiency in all 4 disciplines that compose it: Clinical Pharmacology, General Surgery, Nursing in Surgery, Community Nursing

Office hours

by appointment agreed by email

Sustainable Development Goals

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