M7: Introduction to the Study of Medicine. Interaction with External Aggressors 1 (Year 2)

Knowledge Content

- Understand the indications of the biochemical, hematological, immunological, microbiological, anatomopathological and imaging tests.
- Know how to obtain and process a biological sample for its study applying different diagnostic procedures.
- Develop basic laboratory techniques for handling laboratory materials.
- Study the main drug groups, their dosage, routes of administration and pharmacokinetics, drug interactions and side effects, drug prescription and pharmacovigilance.
- Study organs and organ systems pharmacology; analgesic, anti-inflammatory and anti-microbial drugs; biochemical, cytogenetic and molecular biological markers applied to clinical diagnosis.
- Write medical prescriptions correctly, according to the circumstance of each patient and to the legal requirements.
- Know the basis of microbiology and parasitology.
- Know the main microbiological and parasitological diagnostic techniques and the how to interpret the findings.
- Manage disinfection and sterilization techniques.
- Know the main infectious agents and their active mechanisms.

Competences

- Understand and recognize the structure and normal function of the human body —at the molecular, cellular, tissular, organic and systemic levels— during the life cycle and in both sexes.
- Understand and recognize the effects, mechanisms and manifestations of illness on the structure and function of the human body.
- Understand the basis of therapeutic interventions, based on available scientific evidence.

Learning Methods

Problem-based learning tutorials (PBL)
PBL Question & Answer sessions
Laboratory Practice
Workshops
Lectures

Evaluation
Formative assessment
PBL examination
Other forms of assessment, when appropriate

ECTS Credits
12