

COURSE SYLLABUS

Applied Medical Technical Sciences A

1920-4-H4101D020-H4101D081M

Aims

The pharmacological aspects of diagnostics medicinal products. Topics include fundamental of pharmacokinetics, pharmacodynamics and regulatory aspects related to their use in Diagnostic imaging. Introduction to the potential use of Neuroimaging to gender medicine

Contents

Pharmacology of Diagnostic Medicinal Products

Detailed program

Pharmacology of Diagnostic Medicinal Products

- Radiological contrast media: mechanism of action, pharmacokinetics and safety
- Radiopharmaceuticals: mechanism of action, kinetics of biodistribution and safety
- Optical imaging probes: mechanism of action, kinetics behaviour and safety

- Regulatory affairs relative to their classification and reimbursement
- Introduction to the potential use of Neuroimaging in gender medicine
- Fundamental of evidence based medicine and GRADE approach to the evaluation of diagnostic agents

Prerequisites

Basic knowledge on chemistry, physics and physiology and pharmacology

Teaching form

Lectures

Textbook and teaching resource

Slides presented during the course

Semester

Second

Assessment method

Students will be given a list of questions related to the main issues presented during the course that will be discussed in class. Mutichoice quiz, oral exam.

Office hours

By Agreement with the teacher (email or telephone)

