UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Radiofarmaci

2526-3-I0303D036-I0303D050M

Aims

The student will have to learn classification, mechanism of action, safety data of radiopharmaceuticals used in Nuclear Medicine.

Contents

The course aims to provide students with the main biological, kinetic and safety knowledge on radiopharmaceuticals used in Nuclear Medicine, their classification of use, regulatory bases for use in clinical practice or research.

Detailed program

Classification of radiopharmaceuticals with respect to: 1) mode of preparation/production (industrially produced ready-to-use radiopharmaceuticals; kits; extemporaneous preparations), 2) clinical use regulatory aspects: marketing authorisation, preparations according to pharmacopoeia, off-label use; 3) clinical applications: diagnostic or therapeutic. Pharmacological bases of the main radiopharmaceuticals used in diagnostics and therapy. Reading of the AIFA-approved Summary of Product Characteristics (SPC) with particular reference to the specific paragraphs for radiopharmaceuticals (clinical indications, adverse events, methods of use, contraindications, precautions for use, in vitro stability assessment, dosimetry). Hints on radionuclidic, radiochemical and biological purity quality control of radiopharmaceuticals and environmental and procedural requirements of a radiopharmacy.

Prerequisites

basic knowledge of pharmacology

Teaching form

Lessons will be held in mixed mode in attendance:
? 6 hours in frontal mode
? 2 hours in interactive mode (planning a Nuclear Medical exam starting from reading the AIFA RCP)

Textbook and teaching resource

The teacher will provide educational materials

Semester

First semester

Assessment method

5 multiple choice questions and oral exam

Office hours

By appointment required by mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION