UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Internship in Nuclear Medicine - Uoc Medicina Nucleare PGXXIII Hospital Bergamo

2627-3-H4102D127

Aims

Provide students with an introductory, hands-on experience in Nuclear Medicine procedures and diagnostic techniques, fostering foundational understanding and clinical awareness.

Contents

Learning Objectives
By the end of the internship, students will be able to:

1. Understand basic principles of Nuclear Medicine and common radiopharmaceuticals.
2. Observe preparation and administration of radiotracers safely and according to protocols.
3. Participate in image acquisition procedures (scintigraphy, PET/CT).
4. Recognize indications and patient preparation for common nuclear medicine examinations.
5. Appreciate radiation safety principles and regulatory requirements.
6. Communicate effectively with patients regarding Nuclear Medicine procedures.

Detailed program

Day 1:
Introduction to Nuclear Medicine: history, principles, common modalities.
Observation of radiopharmaceutical preparation and quality control.
Shadowing during diagnostic procedures (e.g., bone scan, thyroid scan).

Basics of image acquisition and processing.

Day 2:
Observation of PET/CT procedures and case discussion.
Radiation safety briefing and regulations overview.
Interactive session on interpreting common nuclear medicine exams.
Wrap-up discussion and feedback.

Prerequisites

Teaching form

Observational learning with active participation under supervision.
Case-based discussions and Q&A sessions.

Textbook and teaching resource

articles and guidelines

Semester

Assessment method

Informal feedback by supervising physicians based on student participation and engagement.

Office hours

by appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION