UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Training in Radiotherapy

**2324-3-I0303D016-I0303D077M**

## Aims

NUCLEAR MEDICINE:

Equipment: Gamma Camera, Single Photon Emission Scintigraphy (SPECT), Positron Emission Tomography (PET). The preparation of radiopharmaceuticals. The reception and patient positioning, the execution of SPECT, PET and PET/CT investigations.

RADIOTHERAPY:

Equipment: Simulator, CT, Linear Accelerator. The reception of the patient; mode of positioning and immobilization of the patient; the setting of the radiation treatment; the execution of the treatment.

MEDICAL PHYSICS: Quality control on equipments, radioprotection of patients and workers

RADIOLOGY: conventional, dedicated, contrastographic radiological techniques and CT and MRI diagnostic techniques.

## Contents

By the end of the third year of training, the students will be able to conduct Nuclear Medicine diagnostic investigations and Radiotherapy treatments, knowing the functioning of equipment and the procedures for processing and archiving images.

The students will also be able to respect and apply the standards of radioprotection for patients and workers.

They will know conventional, dedicated, contrastographic radiological techniques and CT and MRI diagnostic techniques.

## Detailed program

## Prerequisites

## Teaching form

Traineeship

## Textbook and teaching resource

## Semester

Second semester

## Assessment method

Oral examination

## Office hours

By appointment required by mail

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING