UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Training III

2122-3-I0303D016

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 equipments and the procedures for processing and archiving of produced 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

First and second semester

Assessment method

Oral examination

Office hours

By appointment required by mail