UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Radiological Seminars

2122-3-I0303D020

Aims

The student should know the physical principles, instruments, techniques, diagnostic protocols, the main clinical applications of: Conventional radiography, Computed Tomography, Magnetic Resonance Imaging, Nuclear Medicine, Radiotherapy.

Contents

Seminars study in deep topics treated during the three years in the field of Diagnostic Radiology, Nuclear Medicine and PET, Radiotherapy

Detailed program

Conventional radiology (X-ray production, projections, accuracy of x-ray images, radiographic anatomy), neuro and body CT (physical principles of Computed Tomography, diagnostic protocols, acquisition, processing and storage of CT images), neuro and body MRI (physical principles, coils, sequences, MRI image processing), CT angiography and MR angiography; Nuclear Medicine (SPECT), PET, radiopharmaceuticals; the Radiotherapy (instruments, treatment planning, dosimetry, linear accelerator), the Radiation Oncology, Radiation Protection of the patient and the operator

Prerequisites

Teaching form

Seminars

Textbook and teaching resource

Teacher will provide educational materials

Semester

Second semester

Assessment method

Attendance

Office hours

By appointment required by mail