

UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Seminari Radiologici

2526-3-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

Seminars
Textbook and teaching resource
Teacher will provide educational materials
Semester
Second semester
Assessment method
Attendance
Office hours
By appointment required by mail
Sustainable Development Goals
GOOD HEALTH AND WELL-BEING

Teaching form