UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Applied Medical Techincal Sciences B

2627-4-H4101D020-H4101D082M

Aims

Provide the student with the tools to deepening the techniques of Diagnostic Imaging in radiology, nuclear medicine and radiotherapy.

Contents

Procedures for radiodiagnostic examinations (Rx, CT, MRI) and departmental visit with discussion of clinical cases

Procedures for nuclear medicine examinations and discussion of nuclear medicine exams in classroom an in Nuclear medicine - PET department

Detailed program

Procedures for radiodiagnostic examinations (Rx, CT, MRI) in the toracic, abdominal and pelvic regions and departmental visit with discussion of clinical cases

Procedures for nuclear medicine examinations: indications, patient preparation, execution and examination, reporting (with discussion of clinical cases of bone scintigraphy, myocardial SPET and oncological PET studies).

Discussion of planar scintigraphic examinations (static, dynamic and gatized acquisitions) in the nuclear medicine department - PET

Discussion of SPET and PET examinations and visit to the Nuclear Medicine - PET department.

Prerequisites

basic knowledge of anatomy, physiology, pathology

Teaching form

The teaching hours in the module are divided between Delivery Teaching (8 hrs.) and Interactive Teaching (4 hrs.); in particular, the procedures and processes implemented from the moment of prescription of the diagnostic imaging examination (Nuclear Medicine and Radiodiagnostics) up to its execution, processing and reporting are illustrated to students; this is followed by the active interactive participation of students divided into small groups in reading, class exposure and discussion of radiological and nuclear medicine diagnostic examinations.

Textbook and teaching resource

Slides and clinical cases presented.

Semester

second semester

Assessment method

see general Syllabus of the Course

Office hours

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Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION