UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Experiences of Radiological and Functional Anatomy

2021-5-H4101D240

Aims

Provide students with the tools for a correct interpretation of the anatomical structures on images

acquired with tomographic radiologic an nuclear medicine techniques such as CT, MRI and

PET.

Contents

Experience of studying the human anatomy based on tomographic imaging techniques such as X- ray

Computed Tomography - CT, Magnetic Resonance Imaging - MRI and Positron Emission Tomography - PET.

Detailed program

Overview on morphological and functional imaging instrumentation and relative software for integration of biomedical images.

Radiological anatomy using anatomical imaging interpretation of CT and MRI.

Registration and integration of tomographic morphological CT and

MRI imaging with functional PET

imaging.

Use of computerized imaging morphologic atlas.

Prerequisites

Medical Students at the 5th year and over

Teaching form

Activity will take place in 3 meetings: 2 lectures meetings and 1 interactive teaching activities in the last meeting.

Modality of meetings will based depending on the pandemic conteinements measures that will be in place in may 2021, and could also be carried out remotely both for the first two meetings (synchronous or asynchronous) and for the last interactive activity.

Textbook and teaching resource

Slides of the lectures.

Radiologic anatomical body atlases from www (delivered to students during the lessons)

Semester

II Semester

Assessment method

Frequency and interactive final test on interpretation of the morphological CT and MRI and functional PET

images.

Office hours

By appointment previews mail contact