UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Mri and Ultrasonography Instruments

2021-2-I0303D035-I0303D051M

Aims

Students are expected to acquire basic knowledge on MR physics and Ultrasonography

Contents

The course aims to provide students with basic knowledge of physical principles, techniques and applied aspects of Magnetic Resonance and Ultrasonography.

Detailed program

- Genesis and semeiotics of the signal in MRI
- sequences and coils used in MR
- the signal quality in different sequences

Prerequisites

Diagnostic Imaging Techniques I

Teaching form

Lectures

Textbook and teaching resource

F. Mazzucato, “Anatomia Radiologica. Tecniche e Metodologie in Radiodiagnostica”.

The teachers will provide other educational materials

Semester

Second semester

Assessment method

Written test about the topics of MR Semeiotics in Neuroradiology, MR and US Equipment MR, MR Image Formation and Elaboration and oral test about the topics of the other modules.

The final mark is based on the average score obtained by the students during the different evaluations

Office hours

By appointment required by mail