UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Diagnostic Imaging Techniques II

2425-2-I0303D008

Aims

The student will have to understand the main characteristics and technical basis of Computed Tomography and angiography and the principal clinical indications for body CT, neuro CT and angio CT. He/she will have to gain a solid radiological anatomy knowledge, skills about image acquisition, reconstruction, processing, visualization and storage procedures in diagnostic neuro, body and angio CT protocols. Lastly, he/she will have to gain skills about the definition of CT normality and pathology for organs and anatomical structures discussed during the course.

Contents

The course aims to provide students with theoretical knowledge, techniques and practices of Computed Tomography and Angiography for the study of different organs and systems.

Detailed program

Refer to specific modules

Prerequisites

Diagnostic Imaging Techniques I

Teaching form

Teaching takes place in attendance, with frontal and interactive lessons (see individual modules).

Textbook and teaching resource

“Tecniche di Tomografia Computerizzata e Risonanza Magnetica”, Cei Luigi, Ed. Universo.

"Manuale di TC per TSRM" (a cura di R.Glìlfieri, R.Trenti, A.G.Maccione) - Poletto Editore.

“Lezioni di neuroradiologia”, Bozzao, Colonnese, Pantano; Ed: Società Editrice Esculapio, 2019.

Didactic material provided by teachers

Semester

First semester

Assessment method

Monza
Written and oral exam to evaluate preparation on the exam program, the ability to organize knowledge and communication skills in a disciplinary context. The final evaluation will take into account the results obtained in both the written test and the oral test.
The written test will consist of:
? 3 open questions on Reconstruction and Processing of CT and Angiographic Images
? 2 open questions on Neuroradiological CT Semeiotics
The oral test will concern the CT and Angiography equipment, CT Diagnostic Techniques, Angiographic Techniques and Chest and Abdomen CT Semeiotics modules.

Bergamo
Written exam with closed-ended tests (multiple choice) and open questions to evaluate the preparation on the exam program, the ability to organize knowledge and communication skills in the disciplinary field. Possible additional oral test upon request of the teachers or the student.

Office hours

By appointment required by mail

Sustainable Development Goals