



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Tirocinio II

2627-2-I0303D009

Aims

Knowledge and Understanding

The student will understand the operating principles of Computed Tomography, Angiography, and Magnetic Resonance Imaging equipment, the main examination protocols, and radiation protection and safety regulations.

Applying Knowledge and Understanding

The student will be able to independently perform, appropriate to their level of training and under supervision, the main technical and healthcare procedures in various diagnostic methods, from patient admission to image processing and archiving.

Making Judgments

The student will be able to evaluate the appropriateness of the procedures adopted, ensuring patient and operator safety and ensuring the quality of the examination.

Communication Skills

The student will be able to communicate effectively with the patient and collaborate with the team during diagnostic activities.

Learning Skills

The student will develop the ability to integrate theoretical knowledge with internship experience, progressively consolidating their professional skills.

Contents

During the second year of internship, students must be able to independently conduct diagnostic CT scans in the angiography room and nuclear magnetic resonance imaging, understanding the operation of the respective equipment and the image processing and archiving methods. They will also be able to apply radiation protection regulations for patients and staff.

Detailed program

Computed Tomography and Angiography: the reception of the patient and the collection of his medical data and informed consent, the correct positioning of the patient, the different diagnostic protocols; the execution of the investigation; processing and archiving of produced images.

Nuclear Magnetic Resonance: the reception of the patient, the collection of his medical data and information for Nuclear Magnetic Resonance examination; absolute and relative contraindications for the Nuclear Magnetic Resonance examination; the correct positioning of the patient, the examination settings: coils, sequences, the execution of the examination; the processing and archiving of images.

Prerequisites

Teaching form

Traineeship

Textbook and teaching resource

Semester

First and second semester

Assessment method

Evaluation form completed by the tutor at the placement site to assess aspects such as interpersonal skills with the patient, technical management of the examination and use of equipment. Final oral examination conducted with the lecturers in charge of the practical traineeship in order to verify in a structured manner the achievement of the planned training objectives.

Office hours

By appointment required by mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION
