

## COURSE SYLLABUS

### **Diagnostics**

**2324-4-H4102D028-H4102D104M**

---

### **Aims**

The student should be able to know the limits and specific applications of instrumental investigation techniques in the neuroradiological field. The student will be provided with basic notions relating to diagnostic imaging techniques and their applications, the most recent functional diagnostic techniques will also be presented.

### **Contents**

Neuroradiology of the central nervous system, skull and spine for pathologies related to physiotherapy rehabilitation

### **Detailed program**

Neuroradiological imaging methods for physiotherapy

Neuroimaging in brain injury

Neuroimaging of cerebral ischemic and hemorrhagic stroke

Neuroimaging of traumatic and vascular pathologies of the spinal cord

Neuroimaging of degenerative spine pathology

## **Prerequisites**

## **Teaching form**

Lectures in attendance

## **Textbook and teaching resource**

- Handouts
- Osborn's Brain - by Anne G. Osborn, Luke L. Linscott, Karen L. Salzman, Ed.: Elsevier, 3rd edition 2023
- Diagnostic Imaging: Spine 4th Edition, by JS Ross and KJ Moore - Elsevier 2020 (optional)

## **Semester**

2nd semester

## **Assessment method**

Written exam with open-ended questions

## **Office hours**

By appointment

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

---