

Radiotherapy

This document is intended to be used as an assessment form supporting document. Here, the learning outcomes are more focused on modality, and can be useful for the student and supervisor if necessary to specify the achieved learning outcomes.

Anatomy, physiology, pathology and pharmacology

- can explain the most common malignant conditions treated with radiotherapy
- can explain isocentric treatment technique
- carrying out the preparation of a single dose schedule under supervision
- know the different volumes and margins used in radiation therapy (GTV, ITV, PTV, IM, SM and OAR)
- can explain treatment plans and other documentation for radiation therapy

Patient care, communication and ethics

- can explain the department's emergency procedures
- has a comprehensive understanding of the radiation therapy process
- prepares the treatment room with appropriate fixation equipment
- can explain the choice of treatment rent/fixation and its reproducibility
- can explain side effects and measures against side effects
- can explain image-guided radiation therapy and different types of image modalities (kV, mV, CBCT)
- performs image-guided radiation therapy (according to department guidelines)

Radiation protection and safety

- can explain radiation hygiene measures for patients in treatment