

RADP5 Clinical placement. Advanced patient care

7,5 ECTS

Content and structure

The course is arranged with external clinical practice for 5 weeks in diagnostic radiology department or radiation therapy department.

Clinical placement at the Department of nuclear-medicine is not available for incoming students.

The focus is on quality improvement and patient care while using high-tech equipment.

Learning outcomes:

A student with completed course must have the following total learning outcomes defined in knowledge, skills, and general competence.

Knowledge: The student...

- Has broad knowledge of anatomy, physiology, molecular biology and pathology in all organ systems and how these are presented with imaging modalities
- Is familiar with relevant legislation and regulations for the use of medicines, including guidelines for documentation and non-conformance handling
- Has broad knowledge in physics, imaging equipment theory (?) imaging methods ,acquisition techniques and safety related to conventional X-ray, CT and MRI
- Knows physics, imaging equipment theory
- , imaging methods and acquisition techniques related to other modalities such as radiation therapy, ultrasound, nuclear medicine/PET, intervention and mammography

Skills: The student...

- Can apply professional knowledge of anatomy, physiology and pathology to achieve good diagnostic image quality
- Can assess the patient's clinical condition and adapt imaging examinations to the individual patient
- Can master the preparation and administration of relevant drugs
- Can apply professional knowledge in physics and imaging equipment theory to consider the justification of, and optimize, an imaging examination
- Can master patient observation, and relevant procedures to provide individualized care to patients

- Can assess risk and identify deterioration in the patient's condition, complications of drug use, and can implement necessary emergency medical measures including cardiopulmonary resuscitation
- Can assess the risk of adverse events for the patient, relatives, and staff and know methods for following up this systematically within radiographic practice
- Can apply up-to-date knowledge of the health and welfare system, laws, regulations, and supervisors? in the performance of their duties

General competence: The student....

- can plan and perform knowledge-based radiography, as well as systematically assess the quality of work as a basis for safe diagnostics and treatment
- has insight into and can contribute to knowledge development in the field of medical imaging and image processing
- can plan, carry out and evaluate imaging procedures based on referral, eligibility, and the patient's clinical condition, independently and in interdisciplinary collaboration
- can disseminate key subject matter and guide users, patients and relatives and relevant personnel who are in learning, mastering and changing processes
- can convey, guide, and give advice on the justification and safeguarding of radiation protection, including the patient's right to co-choice
- can plan and carry out relevant projects, as well as document and disseminate professional knowledge

Prerequisites:

The course is only open to students from institutions with which the education has entered into agreements.

Teaching and learning methods:

External practice:

- 5 days per. week (two study days for a period of 4 weeks are agreed with the supervisor)

In the practical studies, the student is supervised by a radiographer in the imaging diagnostic departments, or a radiation therapist in the radiation therapy department

- The student has the right to regular supervision and feedback
- The student is followed up by a contact teacher

Compulsory learning activity (work requirements):

None

Assessment method:

An assessment interview is conducted in the middle and one at the end of the internship period. Student, practice supervisor, and contact teacher participate in the conversation. The practice supervisor and student fill in the assessment form. Practice supervisors recommend approved / failed. The practice teacher is responsible for the final assessment of the practice.

Internships are assessed as passed / failed after a final assessment of the student's performance during the practice period. To pass the practice, the student must reach the learning outcome of the course and meet the requirements for 90% attendance.

Absence in excess of 10% means that all or part of the practice period must be carried out again.

If there is doubt as to whether the student will reach the learning outcomes and pass the clinical practice, and the doubt arises before the student is halfway through the practice period, the student will receive a written notice.. It must state what the student does not master, and what requirements must be met to pass the internship.

For Norwegian students:

New practice A new assessment is not arranged in a practice subject. Failed internship entails changed study progression where the internship period is completed in its entirety together with the next batch.