Attachment 1: *Learning objectives*

Gynaecological imaging
I can explain the technical implementation of conventional mammography.
I can list the differential diagnoses of intramammary focal findings.
I can apply the BIRADS and ACR classifications.
I can evaluate alternative examination methods to mammography regarding their diagnostic strengths and weaknesses.
Paediatric imaging
I can explain the radiological peculiarities of paediatric images compared to radiological images of adults.
I can explain what typical paediatric pathologies look like in radiological imaging.
I can distinguish between "normal findings" and "abnormal findings" on paediatric images.
I can explain the ALARA principles.
Imaging of the abdomen
I can identify the anatomical structures of the abdomen on radiological images (including CT scans).
I can explain what typical abdominal pathologies look like in radiological imaging.
I can assess the strengths and weaknesses of different imaging modalities.
I can determine whether a radiological image of the abdomen represents a life-threatening acute pathology.
Imaging of the heart and large vessels
I can identify the anatomical structures of the heart on radiological images.
I can explain what typical pathologies of the heart and major vessels look like in radiological imaging.
I can explain the advantages and disadvantages of cardio-CT and cardio-MRI.
I can explain the technical basics of cardio-CT.
Imaging of the thorax
I can identify the anatomical structures in the chest X-ray.
I can explain what typical pathologies look like on chest X-ray.
I can independently evaluate a chest X-ray.
I can explain the differences between a.p. and p.a. projections.
Imaging of the musculoskeletal system
I can identify the different spatial planes in sectional imaging (axial/sagittal/coronal).
I can explain what typical acute bone pathologies look like in radiological imaging.
I can distinguish between "normal findings" and "abnormal findings" on images of the musculoskeletal system.
I can assess the need for surgical treatment based on diagnostic imaging.