

DIAGNOSTIC IMAGING CLASSES-WINTER SEMESTER 2025/2026			
TEACHER	SUBJECT	what you should familiarise yourself with before class	
MSWIA	Maciej Michalak, MD, PhD	RECIST, TNM, colorectal cancer, prostate cancer	radiological anatomy of the abdomen and pelvis (CT scan) and rectum and prostate (MRI scan)
			https://radiopaedia.org/cases/ct-abdomenpelvis-upper-axial-labelling-questions?lang=us
			https://radiopaedia.org/cases/ct-abdomenpelvis-lower-axial-labelling-questions?lang=us
			https://radiopaedia.org/cases/66174/studies/75356?lang=us https://radiopaedia.org/cases/normal-prostate-mri-1
			https://radiologyassistant.nl/abdomen/prostate/prostate-cancer-pi-rads-v2-1-1
			https://insightsimaging.springeropen.com/articles/10.1186/s13244-022-01348-8%20
USK- Radiology Department	Oksana Klonowska, MD	Ultrasound – practical sessions, performing ultrasound scans	Radiological anatomy in ultrasound examinations
Diagnostic Imaging Lab/Behring Center	Oksana Klonowska, MD	Lung diseases, inflammation, atelectasis, pneumothorax, lung tumours, chronic lung diseases, heart diseases (defects, tumours), thyroid	Radiological anatomy of the chest
Diagnostic Imaging	Laura Eliszewska, MD	Pelvic disorders in women, endometriosis, ovarian and uterine cancers	Radiological anatomy of the female pelvis
Diagnostic Imaging Lab/Behring Center	dentist Julianna Łączkowska-Serafin	Face and neck disorders (imaging of other pathologies of the mandible and maxillamaging of diseases of the facial skeleton, neck, and sinuses; imaging of temporomandibular joints; Imaging of other pathologies of the mandible and maxilla)	For entrance test: 1. The difference between types of imaging - how CT differs from CBCT, MRI from CT 2. How to distinguish an old fracture from a fresh fracture on CT. 3. Signal characteristics of different tissues in T1- and T2-weighted MR images.
Diagnostic Imaging Lab/Behring Center	Anna Stanek, MD	CNS disorders – white matter disorders, brain tumours, degenerative and inflammatory disorders, imaging of spinal cord disorders	Radiological anatomy of the central nervous system

A teacher can assess a student's preparation for classes by entry-test.

DIAGNOSTIC IMAGING SEMINARS WINTER SEMESTER 2026/2027	TOPIC	TEACHER
Seminar 1	Diseases of the central nervous system and the spine – acute conditions, including stroke. Stroke: types, diagnosis, treatment; spinal injuries.	Grzegorz Wasilewski, MD, PhD
Seminar 2	Emergency radiology. Injuries to the central nervous system, the face and skull, the spine, the chest, the abdomen, the pelvis and the bones; A&E diagnostics; polytrauma.	Grzegorz Wasilewski, MD, PhD
Seminar 3	Vascular diseases: the aorta, arteries, veins, lymphatic system, and vascular malformations. Aneurysms, dissections, atherosclerosis of the aorta, peripheral arteries and the internal carotid artery; coronary artery disease; venous thrombosis; pulmonary embolism; and vascular malformations of the periphery and the central nervous system.	Grzegorz Wasilewski, MD, PhD
Seminar 4	Paediatric radiology, the specific nature of paediatric radiology.	Grzegorz Wasilewski, MD, PhD
Seminar 5	Oncological radiology, RECIST, TNM, staging, treatment monitoring.	Maciej Michalak, MD, PhD
Seminar 6	Selected cancers: bowel, prostate, lung, breast and skin cancer.	Maciej Michalak, MD, PhD

DIAGNOSTIC IMAGING LECTURES WINTER SEMESTER 2026/2027	TOPIC	TEACHER
Lecture 1	Introduction to radiology, radiological equipment, radiation protection, X-rays, X-ray tubes, principles of operation of radiological equipment, contrast agents, radiation protection.	Grzegorz Wasilewski, MD, PhD
Lecture 2	Interventional radiology. Types of examinations, procedures and applications.	Grzegorz Wasilewski, MD, PhD
Lecture 3	Imaging in radiology, the use of specific imaging techniques. Patient selection for examinations, the use of various radiological equipment, differences in their application, advantages and disadvantages, and diagnostic pathways.	Grzegorz Wasilewski, MD, PhD