



OPEN MEDICAL INSTITUTE

CURRICULUM

DIAGNOSTIC IMAGING SEMINARS IN SALZBURG

A Global Educational Initiative by the
American Austrian Foundation

YEAR 1 (2024, 2027, 2030, etc.)

Current Trends: Bringing New Research into Clinical Practice, Technical Update, Patient Safety and other Principles of Imaging

Core Area: Oncologic Imaging

Subdivisions of Core Area:

1. Hybrid Imaging: from PET-CT to MRI-PET
2. Image-Guided Interventions

Core Area: Pediatric Radiology

Subdivisions of Core Area:

1. What the Non-Pediatric Radiologist Should Know

Core Area: Neuroradiology and Head & Neck Imaging

Subdivisions of Core Area:

1. Brain Imaging Techniques: Standard & Advanced Clinical Applications
2. Functional MRI
3. Pediatric and Fetal Brain Imaging
4. Skull Base and Petrous Bone
5. Cerebrovascular Intervention

Core Area: Chest and Cardiovascular Imaging

Subdivisions of Core Area:

1. Diffuse Interstitial Lung Disease: Solving the Crossword-Puzzle
2. Cardiac Imaging
3. Noninvasive imaging of Vascular Disease – CTA & MRA
4. Vascular Intervention

Core Area: Abdominal Imaging

Subdivisions of Core Area:

1. Swallowing Disorders
2. Virtual Colonoscopy vs. The Real Thing
3. Imaging of the Liver and Bile Ducts
4. Imaging of the Prostate: Its Role in Active Surveillance and Watchful Waiting

Core Area: Women's Imaging

Subdivisions of Core Area:

1. Mammography
2. Ultrasound of the Breast
3. MR-Mammography

Core Area: Imaging of the MSK and Peripheral Nerves

Subdivisions of Core Area:

1. Metabolic Bone Disease and Body Composition: A Holistic Approach
2. MSK Ultrasound: Towards 20 MHz and Higher
3. MR-Neurography
4. MSK Interventions

Core Area: Imaging Informatics

Subdivisions of Core Area:

1. PACS and Big Data
2. Structured Reporting

Core Area: Patient Safety and Professionalism

Subdivisions of Core Area:

1. MRI Safety and Contrast
2. CT Safety and Contrast
3. Professionalism in Radiology

YEAR 2 (2025, 2028, 2031, etc.)

Living Anatomy and Pathologic Concepts

Core Area: Chest

Subdivisions of Core Area:

1. Thoracic Emergencies: Towards One-Stop-Shopping
2. Cardiac Imaging: Coronary Artery Disease and Myocardial Infarction
3. Imaging of the Mediastinum

Core Area: Body Imaging

Subdivisions of Core Area:

1. Obstetrical/ Gynecological Emergencies
2. Imaging of the Acute Abdomen
3. Uses of CT and MRI in Multiple Trauma
4. Imaging of the Uterus and Ovaries

Core Area: Neuroradiology and Head and Neck Imaging

Subdivisions of Core Area:

1. Head Trauma
2. Spine Emergencies Traumatic
3. Spine Emergencies Non-Traumatic
4. Acute Vascular Emergencies
5. Stroke
6. CNS Hemorrhage
7. CNS Inflammation
8. Imaging of the Hip
9. Imaging of the Knee
10. CT of Trauma

Core Area: Musculoskeletal Radiology

Subdivisions of Core Area:

1. Pelvic and Hip Trauma
2. Commonly Missed Fractures
3. Musculoskeletal Infections
4. MRI of Sports Injuries (Knee)
5. MRI of Sports Injuries (Ankle)

Core Area: Other

Subdivisions of Core Area:

1. Imaging of the Pancreas
2. Imaging of the Urinary Tract

YEAR 3 (2026, 2029, 2032, etc.)

Core Area: Chest

Subdivisions of Core Area:

1. Imaging of Lung Cancer
2. Lung Cancer Screening

Core Area: Body Imaging

Subdivisions of Core Area:

1. Imaging of Gynecologic Neoplasms
2. Adrenal and Retroperitoneal Imaging
3. PET/CT
4. Staging of Ovarian Cancer

Core Area: Neuroradiology and Head & Neck Imaging

Subdivisions of Core Area:

1. Brain Tumors I
2. Brain Tumors II
3. Imaging of the Orbits
4. Imaging of the Petrous Bone
5. Imaging of the Neck
6. Tumors of the Spine

Core Area: Interventional Radiology

Subdivisions of Core Area:

1. Embolotherapy for Tumor Treatment
2. Principles of Percutaneous Biopsy
3. Tumor Ablation

Core Area: Mammography

Subdivisions of Core Area:

1. MRI of the Breast
2. Breast Biopsy State of the Art

Core Area: Musculoskeletal Radiology

Subdivisions of Core Area:

1. Imaging of Bone Tumors
2. Imaging of Soft tissue Tumors
3. Imaging of Benign Osseous Lesions
4. Tumors of the Spine

Core Area: Other

Subdivisions of Core Area:

1. Molecular Imaging: An Overview
2. Imaging as a Biomarker
3. Tumor Markers
4. Imaging in Radiation Therapy

Core Area: Alternate Ideas

Subdivisions of Core Area:

1. Breast Cancer: DCIS
2. Lung Nodules
3. Pancreas
4. Hearing Loss
5. Head and Neck Cancer: Treatment Response
6. Critical Limb Ischemia
7. Rectal and Colonic Cancer
8. Polytrauma and Emergencies