SALZBURG WEILL CORNELL/NYPH SEMINAR

Diagnostic Imaging – 3-Year Curriculum

YEAR 1 (2018, 2021, 2024, 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 (2019, 2022, 2025, 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 Lectures
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 & 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 (2020, 2023, 2026, 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:

7. Embolotherapy for Tumor Treatment
8. Principles of Percutaneous Biopsy
9. 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

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
9. Pelvic floor Imaging
10. White Spots in the Brain