

## **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