

# RSNA<sup>®</sup> 2019



SEE POSSIBILITIES  
— **TOGETHER**



## POSTERS AND EXHIBITS

Located in Hall D, Lakeside Center is the home to education exhibits, scientific digital posters, quality improvement reports and informatics demonstrations.

# Case of the Day

ED001

Breast Case of the Day

ED002

Cardiac Case of the Day

ED003

Chest Case of the Day

ED004

Emergency Radiology Case of the Day

ED005

Gastrointestinal Case of the Day

ED006

Genitourinary Case of the Day

ED007

Interventional Radiology Case of the Day

ED008

Musculoskeletal Case of the Day

ED009

Neuroradiology Case of the Day

ED010

Nuclear Medicine Case of the Day

ED011

Obstetrical Imaging Case of the Day

ED012

Pediatric Case of the Day

ED013

Physics Case of the Day

ED014

Ultrasound Case of the Day

ED015

Molecular Imaging Case of the Day

## ***Special Interest Exhibits***

DM100

National Cancer Institute (NCI) Perception Research Lab

QIBA

Quantitative Imaging Biomarkers Alliance (QIBA®) Kiosk

# Breast

BR001-EB-X (Hardcopy Backboard)

Seeing More Clearly: Improving Mammography Interpretive Performance through Pictorial Review of Common Causes of False Negative Mammography with Standard 2D Mammography (DM) and 3D Digital Breast Tomosynthesis

BR002-EB-X (Hardcopy Backboard)

Incidental Breast Findings on Chest CT: When to Worry

BR003-EB-X (Hardcopy Backboard)

Variable Imaging Appearances of Fat Necrosis and Autologous Fat Injections in the Era of Breast Conserving Therapy and Variable Mastectomy Approaches: A Multimodality Approach

BR004-EB-X (Hardcopy Backboard)

Complications of Long Standing Diabetes in Breast Radiology: Diagnostic Pearls and Imaging Spectrum of Associated Mastopathy

BR100-ED-X (Digital Education Exhibit)

Breast Enlargement: A Radiopathological Pictorial Review and Diagnostic Work-Up

BR101-ED-X (Digital Education Exhibit)

Demystifying Breast MRI: A Pictorial Review of the ACR BI-RADS MRI Lexicon and Reporting

BR102-ED-X (Digital Education Exhibit)

Wireless Localization of Non-Palpable Breast Lesions: Techniques, Limitations, Pitfalls and Solutions

BR103-ED-X (Digital Education Exhibit)

Endocrinology in Benign Breast Disease: What the Breast Radiologist Needs to Know

BR104-ED-X (Digital Education Exhibit)

Large Masses in Young Women: A Pictorial Review

BR105-ED-X (Digital Education Exhibit)

A Delivery from Amazon: Metastases to the Breast

BR106-ED-X (Digital Education Exhibit)

Imaging Inflammatory Conditions of the Breast: Radiopathological Pictorial Review

BR107-ED-X (Digital Education Exhibit)

Biomarkers in Breast Imaging

BR108-ED-X (Digital Education Exhibit)  
EQUIP: What, Why and How?

BR109-ED-X (Digital Education Exhibit)

Imaging the Post Mastectomy and Post Implant Breast: Challenges and Pitfalls

BR110-ED-X (Digital Education Exhibit)

Rules of Engagement: Implementing Student-Centered Learning in the Breast Imaging Medical Student Elective

BR111-ED-X (Digital Education Exhibit)

A Pictorial Review of Electromagnetic Wave Reflector Breast Localization Device Placement Techniques

BR112-ED-X (Digital Education Exhibit)

Imaging Spectrum of Breast Augmentation in Native and Post-Mastectomy Breast and Common Complications: A Pictorial Review

BR113-ED-X (Digital Education Exhibit)

Outside the Breast: Findings in the Periphery of Breast Imaging

BR114-ED-X (Digital Education Exhibit)

MRI Features of Breast Implant-Associated Anaplastic Large Cell Lymphoma: A Pictorial Review

BR115-ED-X (Digital Education Exhibit)

Dynamic Duo: Imaging the Pregnant and Lactating Patient

BR116-ED-X (Digital Education Exhibit)

The Role of Ultrasound in Predicting the Molecular Subtype of Breast Cancer: A Guide for Trainees and Experts Alike

BR117-ED-X (Digital Education Exhibit)

Catch Me Before I Go Invasive! The Role of Ultrasound in Depicting Calcified and Non-Calcified DCIS

BR118-ED-X (Digital Education Exhibit)

Invasive Lobular Carcinoma, the Great Imitator of the Breast: A Practical Multimodality Diagnostic Guide for Residents

BR119-ED-X (Digital Education Exhibit)

Complex Cystic and Solid Masses of the Breast: Friend or Foe?

BR120-ED-X (Digital Education Exhibit)

Looking Beyond Your Limitations: Diagnosing Malignancy in the Augmented Breast

BR121-ED-X (Digital Education Exhibit)

Problem Solving with Breast MRI

BR122-ED-X (Digital Education Exhibit)

Contrast-Enhanced Mammography: Current Indications and Future Directions

BR123-ED-X (Digital Education Exhibit)  
The Skinny on Cutaneous Disorders of the Breast

BR124-ED-X (Digital Education Exhibit)  
Male Breast: Gynecomastia and Beyond

BR125-ED-X (Digital Education Exhibit)  
How Identify and Report Breast Gossypiboma: Medicolegal Obligations

BR126-ED-X (Digital Education Exhibit)  
Percutaneous Management of Breast Abscesses by US-Guided Catheter Drainage and Daily Aspiration without Sterile Saline Irrigation

BR127-ED-X (Digital Education Exhibit)  
Morphea of the Breast and Its Mimickers

BR128-ED-X (Digital Education Exhibit)  
Interactive Mammography Outcomes Audit

BR129-ED-X (Digital Education Exhibit)  
Adding Value: An Easy Guide to the FDA's EQUIP Initiative

BR130-ED-X (Digital Education Exhibit)  
False Negative Lesions of Breast Cancer: The Variable Features in Previous MRI

BR131-ED-X (Digital Education Exhibit)  
Breast Edema Terminology: To Standardize the Language of T2WI Breast MRI

BR132-ED-X (Digital Education Exhibit)  
Contrast Enhanced Mammography versus Dynamic Contrast-Enhanced MRI: Which is Right for Who?

BR133-ED-X (Digital Education Exhibit)  
Multigene Panels: What are they and How are they used in Breast Cancer?

BR134-ED-X (Digital Education Exhibit)  
Digital Breast Tomosynthesis: An Update on the State of the Technology, Evidence, and Clinical Practice

BR135-ED-X (Digital Education Exhibit)  
Breast Density Included in the Modern Rules of Mammographic Screening

BR136-ED-X (Digital Education Exhibit)  
Digital Breast Tomosynthesis: Where Does It Fail?

BR137-ED-X (Digital Education Exhibit)  
Axillary "Calcifications" - Oh My!

BR138-ED-X (Digital Education Exhibit)  
Spectrum of Imaging Findings in Breast Cancer Recurrence

BR139-ED-X (Digital Education Exhibit)  
Is it Breast Cancer? Breast Imaging and Pathology Correlation of Incidental Breast Findings Identified on CT

BR140-ED-X (Digital Education Exhibit)  
Inflammatory Breast Cancer (IBC): What Radiologists Know and What We Need to Learn

BR141-ED-X (Digital Education Exhibit)  
Will You Pass the Test? A Diagnostic Strategy for Breast MRI Interpretation

BR142-ED-X (Digital Education Exhibit)  
Assessment of Extent of Disease with Breast MRI Pitfalls for Residents

BR143-ED-X (Digital Education Exhibit)  
The New Era for Breast Cancer Screening: Abbreviated Breast Magnetic Resonance Imaging

BR144-ED-X (Digital Education Exhibit)  
A Primer on Machine Learning and Artificial Intelligence Applications in Breast Imaging

BR145-ED-X (Digital Education Exhibit)  
Digital Breast Tomosynthesis Guided Interventions: How We Do It

BR146-ED-X (Digital Education Exhibit)  
Not Another CESM Poster: Implementation in a Rapid Diagnostic Circuit and Radiopathological Correlation

BR147-ED-X (Digital Education Exhibit)  
To Scan or Not to Scan, That is the Question: Role of Breast MRI in Cancer Staging

BR148-ED-X (Digital Education Exhibit)  
Imaging of Breast Pathologies in Pregnancy and Lactation

BR149-ED-X (Digital Education Exhibit)  
Implant Associated Complications: Spectrum of Imaging Findings from Benign to Malignant

BR150-ED-X (Digital Education Exhibit)  
How Can Radiologists Help Surgeons in the Assessment of the Axilla? Ultrasound-guided Localization of Axillary Lymph Nodes Using Activated Charcoal Before Neoadjuvant Chemotherapy in Breast Cancer Patients

BR151-ED-X (Digital Education Exhibit)  
Get it Off Your Breast: Differential Diagnosis of Superficial Breast Lesions

BR152-ED-X (Digital Education Exhibit)  
Diffusion-Weighted Imaging (DWI) and ADC Features  
of Triple Negative Breast Cancer (TNBC) Pre and Post  
Neoadjuvant Chemotherapy

BR153-ED-X (Digital Education Exhibit)  
Beware! It's Not a Malignant Lesion, it's a Charcoal  
Granuloma: Pictorial Review

BR154-ED-X (Digital Education Exhibit)  
Clinical and Radiological Approach to Different Causes of  
Mastitis

BR155-ED-X (Digital Education Exhibit)  
Non-Contrast-Enhanced Breast MR Screening for Women  
with Dense Breasts

BR156-ED-X (Digital Education Exhibit)  
Multiple Wire Localization Used in Oncoplastic Breast-  
Conserving Surgery

BR157-ED-X (Digital Education Exhibit)  
Novel Image-Guided Micro-Invasive Percutaneous  
Treatments of Breast Lesions: Where Do We Stand?

BR158-ED-X (Digital Education Exhibit)  
Stationary Digital Breast Tomosynthesis: An Alternative  
Scanning Method

BR159-ED-X (Digital Education Exhibit)  
More is Best: Optimising Reader Protocol

BR160-ED-X (Digital Education Exhibit)  
Dreadful Tuberculosis Affecting the Mammary Tissue

BR161-ED-X (Digital Education Exhibit)  
What We Missed with DBT: Lessons Learnt

BR162-ED-X (Digital Education Exhibit)  
Preventing Physician Burnout in Breast Imaging: Scope  
of the Problem and Keys to Success  
BR163-ED-X (Digital Education Exhibit)  
Breast Injectables: The Aunt Minnies and the Head-  
Scratchers

BR164-ED-X (Digital Education Exhibit)  
Don't Judge a Pie by Its Crust: Appearances Can Be  
Deceiving in Breast Imaging

BR165-ED-X (Digital Education Exhibit)  
More Than What Meets the Eye: Benign and Malignant  
Cutaneous Lesions of the Breast

BR166-ED-X (Digital Education Exhibit)  
Can Contrast-Enhanced Spectral Mammography (CESM)  
Replace MRI Breast as a Tool to Assess Disease Extent in  
Lobular Breast Carcinomas: Our Experience in a District  
General Hospital

BR167-ED-X (Digital Education Exhibit)  
Integrating Digital Breast Tomosynthesis into a Hybrid  
Academic-Private Practice

BR168-ED-X (Digital Education Exhibit)  
Quality Assessment of the BI-RADS 3 Classification and  
Utility of a BI-RADS 3 Audit

BR169-ED-X (Digital Education Exhibit)  
To Be or Not To Be: An Approach to Assessment and  
Management of BI-RADS Category 3 and 4 Breast Masses

BR170-ED-X (Digital Education Exhibit)  
An Educational Perspective: Surveillance Following Breast  
Conservation Therapy

BR171-ED-X (Digital Education Exhibit)  
Are We Ready to Substitute Synthesized Mammography for  
Full-Field Digital Mammography?

BR172-ED-X (Digital Education Exhibit)  
Do You Really Know Your Aunt Minnie?

BR173-ED-X (Digital Education Exhibit)  
Breast Cancer Recurrence: Diagnostic Guide - What  
Residents Need to Know About Frequent Imaging Findings  
and Their Correct Interpretation

BR174-ED-X (Digital Education Exhibit)  
Multimodality Shakedown of the Retromammary Fat: What is  
it Smuggling?

BR175-ED-X (Digital Education Exhibit)  
Prognostic Staging: The New Method for Staging Breast  
Cancer

BR176-ED-X (Digital Education Exhibit)  
Expanding the Differential Diagnosis of Malignant Breast  
Neoplasms: Going from the Ordinary to the Extraordinary  
- A Multi-Modality Imaging Approach with Histopathology  
Correlation

BR177-ED-X (Digital Education Exhibit)  
Young at Breast: Unique Features of Breast Cancer in  
Young Women

BR178-ED-X (Digital Education Exhibit)  
I've Got this Feeling: A Radiology-Pathology Review of Benign and Malignant Palpable Masses Following Mastectomy

BR179-ED-X (Digital Education Exhibit)  
How to Get Away with Breast MRI Guided Biopsy: A Guide for a Good Rad-Path Correlation

BR180-ED-X (Digital Education Exhibit)  
Breast MRI: Identification of Malignancy in the Lactating Patient

BR181-ED-X (Digital Education Exhibit)  
A-Z of HER 2 Breast Cancer

BR182-ED-X (Digital Education Exhibit)  
The Word Soup of Artificial Intelligence (AI): Basics of AI for the Breast Imager

BR183-ED-X (Digital Education Exhibit)  
The More the Messier: Diagnostic and Management Challenges in Multiple Papillomatosis of the Breast

BR184-ED-X (Digital Education Exhibit)  
Basic Knowledge in Breast Therapies: Improving Radiologists Skills to Keep Them Essential in the AI Era

BR185-ED-X (Digital Education Exhibit)  
Breast Imaging in Women with Neurofibromatosis 1 (NF1): What is the Role for Enhanced Screening?

BR186-ED-X (Digital Education Exhibit)  
Evaluation of Breast Implants by Traditional Methods, Mammography, and Ultrasonography: When Suspicious of Rupture

BR187-ED-X (Digital Education Exhibit)  
Not Blind Enough: What Radiologists Need to Know to Avoid Over-Reporting Implant Failures  
Magnetic Resonance Imaging  
BR188-ED-X (Digital Education Exhibit)  
What the...? in the Breast: A Radiologic-Pathologic Review of Uncommon Breast Pathologies and Their Clinical Implications

BR189-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Risk-y Business: ATMs to CHEKs: Understanding Risk of Breast Cancer in Patients with Genetic Mutations

BR190-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
The Picture is Clear: Acoustic Parameters in Breast Ultrasound (A Primer for Residents and Fellows)

BR191-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
BI-RADS 5 - NOT!

BR192-ED-SUA9 (Sun, 12:30-1:00 PM, Station #9)  
Imaging Features and Biopsy Techniques of Internal Mammary Lymph Nodes in Breast Cancer

BR193-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Beyond BI RADS: Non-Mass Lesions (NMLs) on Breast Ultrasonography -Concept and Clinical Relevance

BR194-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Radiological Findings After Breast Lipofilling: What Radiologists Need to Know

BR195-ED-SUB8 (Sun, 1:00-1:30 PM, Station #8)  
Miststeps in Mammography and Approaches to Avoid Them

BR196-ED-SUB9 (Sun, 1:00-1:30 PM, Station #9)  
Everything but BRCA: Imaging Hereditary Breast Cancer Genes

BR197-ED-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Knack for the NAC: A Comprehensive Review of the Nipple-Alveolar Complex (NAC)

BR198-ED-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
False Negatives and Missed Opportunities on Breast MRI: How Can We Do Better?

BR199-ED-MOA9 (Mon, 12:15-12:45 PM, Station #9)  
Malignant Papillary Tumors of the Breast: Radiologist's Role for a Complete Diagnostic Assessment

BR200-ED-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Unusual Breast Implant-Associated Complications and Pathology Correlation

BR201-ED-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
A Pictorial Review of Breast Procedures Complications

BR202-ED-MOB9 (Mon, 12:45-1:15 PM, Station #9)  
RECIST Applied to Breast MRI: The Real Life

BR203-ED-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
Breast Radiotherapy: What the Breast Radiologist Should Know

BR204-ED-TUA9 (Tue, 12:15-12:45 PM, Station # 9)  
How Artificial Intelligence May Help Improve Accuracy and Reading Times in the Interpretation of Digital Breast Tomosynthesis Screening Studies

BR205-ED-TUA10 (Tue, 12:15-12:45 PM, Station #10)  
Abbreviated Breast MRI: Past, Present, and Future

BR206-ED-TUB8 (Tue, 12:45-1:15 PM, Station #8)  
Beware the Axillae: Presentations of Breast Cancer  
Recurrence in the Axilla

BR207-ED-TUB9 (Tue, 12:45-1:15 PM, Station #9)  
Help Your Pathologist Help You: Successfully Arriving at a  
Diagnosis on Breast Biopsy

BR208-ED-TUB10 (Tue, 12:45-1:15 PM, Station #10)  
Mixed and Purely Hyperechoic Breast Lesions: A  
Radiologic-Pathologic Review

BR209-ED-WEA8 (Wed, 12:15-12:45 PM, Station #8)  
An Unusual Package From Amazon: Atypical Breast  
Cancers

BR210-ED-WEA9 (Wed, 12:15-12:45 PM, Station #9)  
Breast Cancer Imaging and Risk Profiles in Women with  
Moderate Risk Genetic Mutations: A Case-Based Review

BR211-ED-WEA10 (Wed, 12:15-12:45 PM, Station #10)  
Test Yourself! MR Evaluation of Response to Neoadjuvant  
Therapy

BR212-ED-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
Stromal Fibrosis: A Diagnostic Challenge for Radiologists

BR213-ED-WEB9 (Wed, 12:45-1:15 PM, Station #9)  
Putting the Pieces Together: Multimodality Review of  
Puzzling Benign Breast Lumps

BR214-ED-WEB10 (Wed, 12:45-1:15 PM, Station #10)  
Trials and Tribulations in the Early Implementation of an  
Abbreviated Screening Breast MR Program  
BR215-ED-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Abbreviated and Ultrafast Breast Magnetic Resonance  
Imaging (MRI) in Clinical Practice: What the Radiologist  
Needs to Know

BR216-ED-THA7 (Thu, 12:15-12:45 PM, Station #7)  
Breast MR Imaging Response to Neoadjuvant  
Chemotherapy: Learning through Pathology Correlation

BR217-ED-THA8 (Thu, 12:15-12:45 PM, Station #8)  
Collecting Pearls: An Interactive Review of Breast Cancer  
Staging

BR218-ED-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Developing Asymmetries without Sonographic Correlates:  
Our Experience, Teaching Points, and Review of Literature

BR219-ED-THB7 (Thu, 12:45-1:15 PM, Station #7)  
Papillary Lesions of the Breast Diagnosed at Percutaneous  
Biopsy: Is Surgery Mandatory?

BR220-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
Make RHEUM for Breast Disease

BR221-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Combined Use of Automated Volumetric Analysis of Breast  
Cancer Vascularization, Machine Learning and MRI: A  
Perfect Trio to Predict Survival Outcome in Breast Cancer  
Patients?

BR222-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
We Are All SO Dense: The Continuing Challenge of  
Mammographic Density Assessment

BR223-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Diagnostic Performance of HHUS in Differentiating Benign  
and Malignant Complex Cystic and Solid Breast Lesions

BR224-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
MRI Radiomics Signature: Association with Disease-Free  
Survival in Patients with Triple Negative Breast Cancer

BR225-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Mammographic Mean Glandular Dose in the Implant  
Displaced View: Proceed with Caution

BR226-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Assessment of Perfusion Parameters and Enhancing  
Characteristics of Breast Cancer on Dynamic Contrast  
Enhanced Magnetic Resonance Imaging (DCE-MRI)  
BR227-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Measurement Error Due to Terminal Digit Preference in  
Breast Cancer Tumor Diameter Reporting: A Population-  
Based Study

BR228-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
The Study of Image Quality and Radiation Dosage with  
Patient-Assisted Compression in Mammography

BR229-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Association of Average Glandular Dose Difference with  
Breast Cancer Risk: A Pilot Study

BR230-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Positive Predictive Value for Malignancy of the Molecular  
Breast Imaging Lexicon

BR231-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Automatic 3D Segmentation of Breast MR T1 Images Using  
3D Convolutional Neural Network

BR232-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Shear Wave Elastography for Early Prediction of Response to Neoadjuvant Chemotherapy in Patients with Invasive Breast Cancer

BR233-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Overweighting of Individual Outcomes is the Main Source of Base Rate Neglect in Mammography

BR234-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
The Usefulness of Bayesian Network in Assessment of Triple-Negative Breast Cancer Risk

BR235-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Independent Validation of Diagnostic Machine Learning Radiomics on a Large Clinical Dataset of Consecutive Breast MRIs

BR237-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Radiation Dose Reduction in Digital Mammography by Image Reconstruction Using Deep Learning Algorithm: Clinical Evaluation

BR238-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Tissue Sound Speed: A Novel Imaging Biomarker for Measuring Tamoxifen Response

BR239-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Utility and Outcomes of Digital Mammography for Imaging Asymptomatic Autologous Flap Reconstructions after Mastectomy

BR240-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Breast Invasive Ductal Carcinoma: Preoperative Predictive Ki-67 Index Based on Radiomics of MRI

BR241-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Using Generative Adversarial Networks (GANs) to Synthesize and Remove Lesions in X-Ray Mammograms Improves AI-Based Cancer Detection

BR242-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Role of the Anchoring and Adjustment Heuristic in Radiological Decision-Making

BR243-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Management and Outcomes of One-View Architectural Distortions Seen on Screening Breast Tomosynthesis

BR244-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Correlation of Female Hormone Levels with Quantitative BPE and ADC Values in Breast Cancer Patients: The Effect of BPE and ADC Values on Cancer Detectability

BR245-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
The Crowd-Within Effect in Expert Radiologists: Independent Ratings of the Same Case Lead to Better Performance in Mammography Diagnosis

BR246-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Low-Dose Imaging Technique (LITE) MRI: Introduction of a Reduced-Dosage Dynamic Contrast-Enhanced MRI Technique in Breast Imaging

BR247-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
A Machine Learning Approach to Radiogenomics of Breast Cancer to Predict Prognostic Biomarkers Using Low-Dose Perfusion Breast CT

BR248-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
False Negative in Digital Mammography with Tomosynthesis in Clinically Appreciable Nodular Lesions Over One Centimeter in Size: Histo-Pathological Correlation

BR249-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Staging Nodal Ultrasound in Breast Cancer: Can Metastases Skip Contiguous Nodal Basins or Do They Always Follow Expected Pathways?

BR250-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Machine Learning Model Generalizes Across Manufacturers and Clinical Sites  
BR251-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
Tissue Sound Speed is More Strongly Associated with Breast Cancer Risk than Mammographic Percent Density: A Comparative Case-Control Study

BR252-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Supplementary Screening Axillary After Breast Cancer Surgery in Clinically and Mammographically Negative Patients

BR253-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Learning Effective Radiomic Features for Characterization of Breast Lesions with Multi-b Diffusion-Weighted MR Imaging

BR254-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Impact of Native and Artificially Improved AI-Based CADx on Breast US Interpretation

BR255-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Relative Mammographic Density Quantification: Deep Learning and Elo Rating

BR256-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Assessment of Residual Breast Cancer After Neoadjuvant Chemotherapy by Using Texture Analysis of Dynamic Contrast-Enhanced MRI



BR257-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Mammography Performance Benchmarks in a Population-Based Screening Cohort of One Million Digital Examinations

BR258-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Association of the Kaiser Score with Invasiveness of Breast Cancer: Could it Provide Actionable Information?

BR259-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
In the National Mammography Database (NMD), BI-RADS 3 Lesions Are Suspicious in Women with a Personal History of Breast Cancer

BR260-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Unenhanced Breast Cancer Screening with Diffusion Weighted MRI: Increased Image Quality and Lesion Visibility Using Synthetic b-Values  
BR261-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Trends in Use of Percutaneous versus Open Surgical Breast Biopsy: An Update

BR262-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
A Radiomics Approach to Classification of Fibroepithelial Lesions on Breast Ultrasonography

BR263-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Preoperative Prediction of Regional Lymph Node Metastasis of Breast Cancer by Radiomics of DCE-MRI with an Ensemble of Deep Learning Models

BR264-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Usefulness of Imaging Findings in Predicting Tumor Infiltrating Lymphocytes in Patients with Invasive Breast Cancer

BR265-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Diffusion Tensor MRI in the Diagnostic Workup of Pregnancy Associated Breast Cancer (PABC): Clinical and Technical Considerations

BR266-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Perceived Realism of Generative Adversarial Network-Derived Synthetic Mammograms

BR267-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Weakly-Supervised Deep-Learning Modeling on Sub-Volumes for Pre-Assessment of Digital Breast Tomosynthesis

BR268-SD-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Contrasted Bilateral Network: Explore How Expert Knowledge Can Benefit Deep Learning Model in Mammogram Mass Detection

BR269-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Quantitative Analysis of Background Parenchymal Enhancement in Breast MRI May be Predictive of Breast Cancer Risk

BR270-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Whole-Breast Malignancy Rating for MRI Using Deep Learning  
BR271-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Developing an Artificial Intelligence Algorithm Pipeline for Predicting Malignancy Risk for Mammographic Microcalcifications Leveraging the ACR Data Science Institute (DSI) Use Case Library

BR272-SD-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Qualitative Analysis of the Intensity and Patterns of Enhancement on Contrast-Enhanced Spectral Mammography

BR273-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
3D Printing of Whole Breast and Individual Breast Tissue Types based on Transmission Ultrasound

BR274-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Low Dose Molecular Breast Imaging (MBI) in Multidisciplinary Patient Care: Initial Clinical Experience

BR275-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Morbidity of Breast Cancer as a Function of Screening Interval: Annual versus Biennial

BR276-SD-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Comparative Radiomics Analysis of Contrast-Enhanced Mammography and Magnetic Resonance Imaging for Differentiation of Tumor Invasiveness, Hormone Receptor Status, and Tumor Grade in Breast Cancer Patients  
BR277-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Are There Differences in 18F-FDG PET-MRI Imaging Biomarkers of Contralateral Healthy Tissue between Patients with Benign and Malignant Breast Lesions?

BR278-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Whole Breast Tissue Characterization with Ultrasound Tomography

BR279-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
A Radiogenomics Approach to Predicting Immune and Stromal Cell Line Invasion in Breast Cancer Lesions

BR280-SD-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Screening Mammography with Digital Breast Tomosynthesis in Women Aged 40-54: Is It Effective or Harmful?

# Cardiac

CA001-EB-X (Hardcopy Backboard)  
Turner Syndrome in Adults: Magnetic Resonance Roadmap to Cardiovascular Anomalies

CA002-EB-X (Hardcopy Backboard)  
Optimized Small-Animal Cardiac Functional Magnetic Resonance Imaging

CA003-EB-X (Hardcopy Backboard)  
Heart Mechanics by MRI: Technical Developments and Clinical Applications

CA004-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
Strain Analysis: A Comparison of Tagging, DENSE, SENC and Feature Tracking

CA005-EB-X (Hardcopy Backboard)  
Left Atrial Appendage Occlusion: Procedure Planning and Device Positioning with Advanced Imaging

CA100-ED-X (Digital Education Exhibit)  
Pre-and Post-Procedural Imaging of Left Atrial Appendage Closure Devices with Computed Tomography

CA101-ED-X (Digital Education Exhibit)  
Optimizing CT Protocols for Adult Congenital Heart Disease: A Primer for Radiologists

CA102-ED-X (Digital Education Exhibit)  
Evaluation of Right Ventricular Dilation Using a Multi-Modality Imaging Approach

CA103-ED-X (Digital Education Exhibit)  
Transposition of Great Arteries from A to Z: Hemodynamics, Imaging, and Management

CA104-ED-X (Digital Education Exhibit)  
Cardiac Pseudotumors and Benign Lesions of the Heart: Not Every Enhancing Mass is a Tumor!

CA105-ED-X (Digital Education Exhibit)  
Evaluation of Coronary and Aorta CT Angiography in 320-Row CT: Improvement of Scanning and Injection Method

CA106-ED-X (Digital Education Exhibit)  
Review of Cardiac Masses: The Role of Computed Tomography  
CA107-ED-X (Digital Education Exhibit)  
The Advantage of Clinical Applications of Compressed Sensing in Cardiovascular Magnetic Resonance

CA108-ED-X (Digital Education Exhibit)  
Acute Coronary Syndrome on Non-Cardiac Computed Tomography: What Not to Miss

CA109-ED-X (Digital Education Exhibit)  
MDCT of Watchman Implantation: What the Cardiologists Want to Know

CA110-ED-X (Digital Education Exhibit)  
The No Longer Ignored: Tricuspid Valve Imaging and Right Ventricular Function Analysis

CA111-ED-X (Digital Education Exhibit)  
Bringing MINOCA's Puzzle Pieces Together: The Role of Cardiac MRI (CMRI)

CA112-ED-X (Digital Education Exhibit)  
Novel Assessment of Physiological Tricuspid Valve Morphology and Specific Right Ventricular Shape via 3D Printed Cardiac Models

CA113-ED-X (Digital Education Exhibit)  
Physiological Computed Tomography Angiography Using the Timing Bolus Method

CA114-ED-X (Digital Education Exhibit)  
Imaging of Pediatric Cardiac Tumors

CA115-ED-X (Digital Education Exhibit)  
Imaging Overview of Chagas Cardiomyopathy

CA116-ED-X (Digital Education Exhibit)  
Impact of Identifying STENT Type in Coronary CT: Analysis Methods and Clinical Utility Using Dual-Energy Technology

CA117-ED-X (Digital Education Exhibit)  
Imaging Challenges in Cardio-Oncology: Pushing the Limits Beyond Rare Tumors

CA118-ED-X (Digital Education Exhibit)  
Complications of Congenital Heart Disease in the Adult: What the Cardiologist Wants to Know

CA119-ED-X (Digital Education Exhibit)  
Pulmonary Arteries in Congenital Heart Disease: Comprehensive CT and MRI-Anatomic Classification - Image Findings and Structured Reporting  
CA120-ED-X (Digital Education Exhibit)  
Tic Tac TOF: Tips and Tricks in Preoperative Multidetector CT (MDCT) Evaluation of Tetralogy of Fallot

CA121-ED-X (Digital Education Exhibit)  
Acute Cardiac Support Devices: An Imaging Review of Non-Durable Mechanical Circulatory Support Devices

CA122-ED-X (Digital Education Exhibit)  
Major Aorto Pulmonary Collaterals (MAPCAs): What the Radiologist Needs to Know

CA123-ED-X (Digital Education Exhibit)  
CT and MR Imaging of Cardiac Masses and Pseudomasses: A Case-based Review

CA124-ED-X (Digital Education Exhibit)  
1H-Magnetic Resonance Spectroscopy for Metabolic Imaging of Myocardial Triglyceride Content: How “To Do It”

CA125-ED-X (Digital Education Exhibit)  
A Beginner’s Guide to Understanding Echocardiography with CT/MRI Correlation, Case-based Examples, and Emphasis on Blind Spots

CA126-ED-X (Digital Education Exhibit)  
Computational Fluid Dynamics in Radiology Practice: An Illustrated ‘How-To’ with Examples from CT Fractional Flow Reserve, Endothelial Shear Stress, Abdominal Aortic Aneurysms, and Congenital Heart Disease

CA127-ED-X (Digital Education Exhibit)  
Intravenous Nitroglycerin Technique with Cardiac Computed Tomography for Visualizing Occluded Coronary Artery Filled by Collaterals

CA128-ED-X (Digital Education Exhibit)  
Multidetector Cardiac Computed Tomography Angiography for Characterization of Structural Abnormalities of Left Ventricular Outflow Tract

CA129-ED-X (Digital Education Exhibit)  
Know ‘THE WAVES’ Before You Surf Them: Basic ECG and Case-based Quiz for Cardiac Radiologists

CA130-ED-X (Digital Education Exhibit)  
When to Wave the Red Flag: Imaging Spectrum of Heart Conditions that Can Cause Sudden Cardiac Death (SCD)

CA131-ED-X (Digital Education Exhibit)  
Cardiac MRI on Assessing Right Ventricular Systolic Function: How Many Methods Do We Have and How to Use It?

CA132-ED-X (Digital Education Exhibit)  
Incidental Focal FDG Uptake in the Left Ventricle on Oncologic FDG-PET/CT: Be Careful with the FDG Uptake in the Left Ventricle

CA133-ED-X (Digital Education Exhibit)  
An Emerging Technique to Achieve Diagnostic Exams in Cardiac MRI with Implanted Cardiac Devices

CA134-ED-X (Digital Education Exhibit)  
Off the Beaten Path: Imaging of Unusual Cardiac Aneurysms

CA135-ED-X (Digital Education Exhibit)  
Survival Guide for Multimodality Imaging of the Mitral Valve: Morphology, Function, and Disease

CA136-ED-X (Digital Education Exhibit)  
Cardiac MR imaging of Muscular Dystrophies

CA137-ED-X (Digital Education Exhibit)  
Multidetector Cardiac Computed Tomography Angiography for Demonstration and Characterization of Anomalies of Coronary Sinus

CA138-ED-X (Digital Education Exhibit)  
The Not So Fantastic Four: Pre- and Post-Operative Evaluation of Tetralogy of Fallot (TOF) on 4D MRI

CA139-ED-X (Digital Education Exhibit)  
Advances in Non-Invasive Imaging of Patients with Single Ventricles following Fontan Palliation

CA140-ED-X (Digital Education Exhibit)  
Non-Malignant Cardiac Findings That Can Mimic Malignancy on Oncologic PET-CT

CA141-ED-X (Digital Education Exhibit)  
Quantification in Cardiovascular MR - A Primer for Radiology Residents

CA142-ED-X (Digital Education Exhibit)  
Multi-Modality Imaging of Congenital Semilunar Valvular and Perivalvular Disease

CA143-ED-X (Digital Education Exhibit)  
Apical Variant Hypertrophic Cardiomyopathy “Multimodality Imaging Evaluation”

CA144-ED-X (Digital Education Exhibit)  
Complications of Coronary Interventions and Surgeries: Imaging and Management

CA145-ED-X (Digital Education Exhibit)  
Role of Cardiogenetics Imaging in the Era of Radiogenomics and Precision Medicine

CA146-ED-X (Digital Education Exhibit)  
Deep Learning Approaches in Cardio-Vascular Magnetic Resonance Imaging: Principles and Applications

CA147-ED-X (Digital Education Exhibit)  
Assessment of Cardiac Sarcoidosis with Advanced Imaging Modalities

CA148-ED-X (Digital Education Exhibit)  
Pulmonary Atresia with VSD: What a Radiologist Should Know

CA149-ED-X (Digital Education Exhibit)  
Coronary CT Angiography for Myocardial Bridging: From Anatomy to Function

CA150-ED-X (Digital Education Exhibit)  
Detection of Chemotherapy-Induced Cardiotoxicity by Cardiac Magnetic Resonance During Treatment for Breast Cancer: Current Concepts and Applications

CA151-ED-X (Digital Education Exhibit)  
Speaking Surgeons Lingo: Pre and Post-operative Imaging in Tetralogy of Fallot

CA152-ED-X (Digital Education Exhibit)  
Subendocardial Late Gadolinium Enhancement: Beyond "Infarction"

CA153-ED-X (Digital Education Exhibit)  
Debunking the Gap in the Interrupted Pulmonary Artery

CA154-ED-X (Digital Education Exhibit)  
Cardiac Magnetic Resonance (CMR) in Acute Chest Pain

CA155-ED-X (Digital Education Exhibit)  
Late Complications, Sequelae, and Residua in Patients after Surgery for Congenital Heart Diseases: What Should Radiologists Know?

CA156-ED-X (Digital Education Exhibit)  
The Ability of the Early Acute Phase Extracellular Volume Mapping to Quantify Myocardial Area at Risk of Non-ST Elevation Acute Coronary Syndromes before Percutaneous Coronary Intervention

CA157-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Utility of Computed Tomography in the Evaluation of Transcatheter Mitral Valve Replacement

CA158-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Recent Technologies in Coronary Stent CT Angiography: Impact of the Ultra High Resolution CT on Its Image Quality

CA159-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Detecting Post-Fontan Hepatic Complications

CA160-ED-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
CT Coronary Angiography Fractional Flow Reserve (FFR): A Primer for Radiologists and Cardiologists

CA161-ED-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
The Puzzle of Describing Congenital Heart Disease: Recognizing the Individual Pieces and Connecting Them Together using Anderson's Sequential Segmental Analysis

CA162-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Non-Invasive Modalities to Detect Coronary Complications After Heart Transplant

CA163-ED-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Cardiovascular 4D Flow MRI: From Basic Principle to Emerging Clinical Application

CA164-ED-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
Understanding Care and Challenges of Left Ventricular Assist Devices (LVADs)

CA165-ED-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Clinical Applications of Deep Learning in Cardiovascular Imaging

CA166-ED-X (Digital Education Exhibit)  
Troponin-Positive Nonobstructive Coronary Arteries (TpNOCA) and Myocardial Infarction with Nonobstructive Coronary Arteries (MINOCA): Definition, Etiologies, and CT and MR Findings

CA167-ED-WEA8 (Wed, 12:15-12:45 PM, Station #8)  
Coronary FFR-CT: Future or Fad?

CA168-ED-TUB8 (Tue, 12:45-1:15 PM, Station #8)  
Multimodality Imaging of Right Atrium: Potential Entities and Radiological Findings

CA169-ED-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
A Software Pipeline Taking 4D Cardiac Data to Dynamic AR/VR Models

CA170-ED-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Late Iodine Enhancement and Myocardial Extracellular Volume Quantification by Using Cardiac CT: Emerging Trends in Clinical Practice

CA200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Diagnostic Potential and Benefits of Myocardial Infarction and Non-Ischemic Myocardial Disease Using Subtraction Myocardial Image for Late Iodine Enhancement (SMILIE) in Cardiac CT

CA201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Efficacy of Spectral Imaging Using Dual-Layer Spectral Detector Computed Tomography for Acute Coronary Syndrome

CA202-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Comparison of the Prevalence of High-Risk Plaque Between  
Metabolic Syndrome and Non-Metabolic Syndrome:  
Evaluation with DSCT Angiography

CA203-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Deep-Learning-Based Technology for Eliminating  
Gadolinium Contrast Agents in Myocardial Infarction MR  
Imaging

CA204-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Reproducibility of Cardiac Magnetic Resonance Imaging  
Methods in Patients With or Without Pacemakers and/or  
Implantable Cardioverter-Defibrillators in the CONCERT-HF  
Trial

CA205-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Instantaneous Wave-Free Ratio Derived from Dynamic  
Coronary CT Angiography with Dose Modulation: Influence  
of Plaque Characteristics on Coronary Hemodynamics

CA206-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Predictors for Adequate Stress Response to Adenosine  
Triphosphate in Perfusion Cardiac Magnetic Resonance

CA207-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Association between Left Atrial Function Using Tissue  
Tracking from Cine MR Imaging and Myocardial Fibrosis in  
Hypertrophic Cardiomyopathy

CA208-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Impact of An Advanced Image-Based Monoenergetic  
Reconstruction Algorithm on Coronary Artery Stent  
Visualization Using Dual-Source Dual-Energy CT: Primary  
Study

CA209-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
What is The Linear Mid-Wall LGE of The Ventricular Septum  
Seen in Cardiac MRI?

CA210-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Detection of Left Atrial Appendage Thrombi by Third-  
Generation Dual-Source Dual-Energy CT: Iodine  
Concentration versus Conventional Enhancement  
Measurements

CA211-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Prediction Model for Aortic Stenosis Severity Based on  
Aortic Valve Calcium on Cardiac Computed Tomography:  
Incorporation into Radiomics and Machine Learning

CA212-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
T1 and T2 Mapping Cardiovascular Magnetic Resonance  
to Predict Left Ventricular Remodeling Following an Acute  
Myocardial Infarction

CA213-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Prognostic Value of Coronary Artery Disease-Reporting  
and Data System (CAD-RADS) Score for Major Adverse  
Cardiac Events in Patient with Acute Chest Pain from the  
Emergency Department

CA215-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Multiparametric Cardiovascular Magnetic Resonance  
Imaging in Acute Myocarditis: A Comparison of Different  
Measurement Approaches

CA216-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
The Early Warning Value of Low-Dose CT Coronary  
Angiography for Assessment of Vulnerable Plaque and  
Screening Coronary Heart Disease

CA217-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Decreased Left Atrial Longitudinal Strain is Associated with  
Cardiac Amyloidosis

CA218-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Exploring the Diagnostic Value of LV Strain Parameters in  
Acute Myocarditis by CMR-FT

CA219-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
The Diagnostic Value of Adenosine Stress Computed  
Tomography Myocardial Perfusion in Suspected Coronary  
Artery Disease

CA220-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Different Patterns of CMR in Fabry's Cardiovascular  
Disease

CA221-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Quantitative Assessment of Left Ventricular Myocardial  
Strain in Patients with Myocarditis by Magnetic Resonance  
Myocardial Tissue Tracking

CA222-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Machine Learning to Evaluate Vulnerable Plaque on  
Coronary Computed Tomography with Spectral Imaging

CA223-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Analysis of Signal Intensity and Signal Intensity Ratio (SIR)  
in STIR Images in Patients with Suspected Myocarditis

CA224-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Myocardial Deformation Assessment in Patients with  
Isolated Left Ventricular Non-Compaction Using Deformable  
Registration of Cine MRI: Comparison with Feature Tracking

CA225-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Does Knowledge-Based Iterative Model Reconstruction  
Improve Diagnostic Performance in Dynamic Myocardial CT  
Perfusion Imaging with Low-Tube Voltage Scan?

CA226-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
MR Tissue Tracking Technique for Evaluation of Isolated Left Ventricular Noncompaction Regional and Layer-Specific Strain

CA227-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Quantitative Assessment of Myocardial Strain of LVNC Based on CMR Tissue Tracking

CA228-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Clinical Significance of Corrected Relative Flow Reserve Derived from N-13 Ammonia Positron Emission Tomography Combined with Coronary Computed Tomography Angiography

CA229-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Comprehensive Morpho-Functional and Structural Characterization of the Left-Ventricle in a Mouse Model of Acute Ischemia/Reperfusion Injury with a Single CMR 3D Flash Intra-Gate Cine Sequence

CA230-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Pre-Ablation Assessment of Cardiac Anatomy and Function: Impact on Recurrence of Atrial Fibrillation

CA231-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Improving Image Quality of Aortic and Pulmonary Valve for Children with High Heart Rates Using Second-Generation Motion Correction Algorithm

CA232-SD-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Quantitative Assessment of Double Ventricular Strain in Patients with Dilated Cardiomyopathy Using Cardiovascular Magnetic Resonance Feature Tracking Techniques: A Preliminary Clinical Study

CA233-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
CT-FFR Profiles in Patients without Coronary Artery Disease

CA234-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Feasibility of Ultra-Low Contrast Dose and Low Radiation Dose for CT Angiography of Left Atrium and Pulmonary Veins with 80kV and ASIR-V

CA235-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Role of Cardiac MRI in Identification of Myocardial Fibrosis in Patients of Non-Ischemic Dilated Cardiomyopathy

CA236-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Could a Very Short MRI Protocol Replace the CT in Assessment of Cavo-Pulmonary (Glenn) Shunts in the Future? Initial Results

CA237-SD-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Association Between FFRCT Values and Coronary Artery Plaque Quantification Values in Coronary CT Angiography

CA238-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Markers of Myocardial Injury Based on 3.0T MRI in Predicting the Recovery of Segmental Recovery After Acute Myocardial Infarction

CA239-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
"One-Stop" Computed Tomography Myocardial Perfusion Imaging: A Novel Protocol for Comprehensive Evaluation in Patients with Coronary Artery Disease

CA240-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Modification of Left Ventricle Myocardial Perfusion Reserve After the Implantation of Coronary Sinus Stent: A Stress-Rest CMR Study

CA241-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Diagnostic Value of Stress Dynamic Myocardial CT Perfusion for Symptomatic Patients with Intermediate to High Risk of Coronary Artery Disease: Absolute Versus Relative Myocardial Blood Flow

CA242-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Combined Coronary CT-Angiography and TAVI-Planning: A Contrast-Neutral and Efficient Routine Approach to Exclude Significant Coronary Artery Disease

CA243-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Use of Salient Features to Optimize a Machine Learning Classifier of Coronary Artery Disease Severity

CA244-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Ultra-Low Radiation Dose with Third-Generation DSCT for Trans-Catheter Aortic Valve Implantation Planning  
CA245-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
The Application Value of 'One-Stop' CT Myocardial Perfusion Imaging in the Quantitative Evaluation of Patients with Severe Coronary Artery Stenosis: Compared Against Cardiac Magnetic Resonance Imaging

CA246-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Right Ventricular Deformation Impairment Persists in Different Stages of Experimental Autoimmune Myocarditis in Rats - Assessed by Cardiac Magnetic Resonance Tissue Tracking

CA247-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
An hs-TNT Second Peak Associated with High CRP at Day 2 Appears as Potential Biomarkers of Micro-Vascular Occlusion on Magnetic Resonance Imaging after Reperfused ST-Segment Elevation Myocardial Infarction

CA248-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Imaging of Coronary Plaques and Stents with Conventional and Photon-Counting CT

CA249-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Correlation between Extracellular Volume Expansion and Late Gadolinium Enhancement in Dilated Cardiomyopathy

CA250-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Assessment of Left Ventricular Deformation using CMR Tissue Tracking in Patients with Connective Tissue Diseases: Comparison between Idiopathic Inflammatory Myopathy and Non-Idiopathic Inflammatory Myopathy

CA251-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Performance of Cardiac CT for the Diagnosis of Arrhythmogenic Cardiomyopathy of The Right Ventricle  
CA252-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Myocardial Strain Analysis with Feature-Tracking Magnetic Resonance in Patients with Cardiac Amyloidosis

CA253-SD-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Fabry's Disease without Changes in T1 Mapping Can Be Differentiated from Healthy Volunteers by Feature Tracking Strain Imaging

CA254-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Deep Learning-Based Automated CT Coronary Artery Calcium Scoring

CA255-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
ECG-Gated Multislice Computed Tomography in Aortic Perivalvular Abscess: Comparison with Transthoracic Echocardiography, Transesophageal Echocardiography, and Intraoperative Findings

CA256-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Extracellular Volume Analysis with Cardiac Magnetic Resonance in Patients with Scleroderma

CA257-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Correlation of Myocardial Tissue Characteristic, Strain, and Mass in Anderson-Fabry Patients

CA258-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Simulated Enhancement Ratio of Myocardium to Aorta for the Identification of Obstructive Coronary Artery Disease using Dynamic Myocardial Computed Tomography Perfusion

CA259-SD-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Characterization of Coronary Arterial Plaque Composition with Dual Energy Computed Tomography: A Simulation Study

# Chest

CH001-EB-X (Hardcopy Backboard)  
Planting Seeds Into Lung: CT-Guided Percutaneous Marking to Guide Minimal Invasive Thoracic Surgery

CH002-EB-X (Hardcopy Backboard)  
Radiological Appearance of Foreign Bodies in the Thorax

CH003-EB-X (Hardcopy Backboard)  
Pleuritic Chest Pain Really Hurts You: What the Radiologist Needs to Know

CH005-EB-X (Hardcopy Backboard)  
Thoracic Cardiovascular Complications of Tuberculosis

CH006-EB-TUB (Tue, 12:45-1:15 PM, Hardcopy Backboard)  
Primary Thoracic Lymphomas: Spectrum of Imaging and Histopathologic Manifestations

CH007-EC-X (Custom Application Computer Demonstration)  
Micro Lung Cancer Analysis Based on Micro CT Imaging Using Generative Adversarial Network

CH100-ED-X (Digital Education Exhibit)  
Incidental Bony and Articular Lesions on a Chest CT: An Algorithmic Approach for the Chest Radiologist

CH101-ED-X (Digital Education Exhibit)  
What Every Radiologist Should Know About Ultrasound and Thoracic Neoplasms

CH102-ED-X (Digital Education Exhibit)  
Rib Lesions on Chest Imaging: What the Thoracic Radiologist Needs to Know to Look Like a Pro

CH103-ED-X (Digital Education Exhibit)  
The End of the Chest X-Ray Era? Lung Ultrasound for the Diagnostic Radiologist

CH104-ED-X (Digital Education Exhibit)  
Imaging Features of Nonthrombotic Pulmonary Arterial Embolism

CH105-ED-X (Digital Education Exhibit)  
Typical and Atypical Findings of Pleural Diseases

CH106-ED-X (Digital Education Exhibit)  
No Matter What, Take a Look of the Heart: Incidental Cardiac Findings on Dual Energy Pulmonary CT Angiography  
CH107-ED-X (Digital Education Exhibit)  
Cinematic Rendering as a Novel Tool for Anatomy Education: A Pattern-Based Approach to the Anatomy of the Chest

CH108-ED-X (Digital Education Exhibit)  
Radiologic Manifestations of Primary Pulmonary Lymphoma: The Great Mimicker

CH109-ED-X (Digital Education Exhibit)  
Pitfalls in Interpreting CT Pulmonary Angiograms

CH110-ED-X (Digital Education Exhibit)  
The Role of the Imaging in the Pulmonary Volume Reduction by Bronchoscopy

CH111-ED-X (Digital Education Exhibit)  
Non-Traumatic Chylothorax: Non-Contrast Magnetic Resonance Lymphography

CH112-ED-X (Digital Education Exhibit)  
A Breath of Fresh Air: Multisystem Imaging After Lung Transplantation

CH113-ED-X (Digital Education Exhibit)  
Which Side Are You? Asymmetrical Congenital Anomalies of the Thoracic Vessels

CH114-ED-X (Digital Education Exhibit)  
Iatrogenic and Treatment Related Esophageal Injuries

CH115-ED-X (Digital Education Exhibit)  
Fundamental of Dynamic Chest Radiography: Imaging Technique, Respiratory and Circulation Physiology, and Image Perception

CH116-ED-X (Digital Education Exhibit)  
Why Not Apply Chest MRI for Lung Cancer?

CH117-ED-X (Digital Education Exhibit)  
Novel Assessment of Pleural Adhesion Using Three-Dimensional Voxel Tracking Technology via the Respiratory-4DCT

CH118-ED-X (Digital Education Exhibit)  
Inflammatory Lesions Mimicking Chest Malignancy: CT, Bronchoscopy, and PET Evaluation from an Oncology Referral Centre

CH119-ED-X (Digital Education Exhibit)  
Living on the Edge: Incidental Soft Tissue Findings on Chest Films

CH120-ED-X (Digital Education Exhibit)  
No Immunity: Thoracic Manifestations of Primary Immunodeficiencies

CH121-ED-X (Digital Education Exhibit)  
Diagnostic Approach for Mediastinal Masses from the Imaging and Histological Points of View



CH122-ED-X (Digital Education Exhibit)  
Airway Complications: The Achilles' Heel of Lung Transplantation

CH123-ED-X (Digital Education Exhibit)  
Thoracic Manifestations of Rheumatoid Arthritis

CH124-ED-X (Digital Education Exhibit)  
What the Radiologists Need to Know: Updated Knowledge on Lymphangioleiomyomatosis

CH125-ED-X (Digital Education Exhibit)  
The Silent Patients: How to Diagnose the Hereditary Thoracic Aortic Aneurysm

CH126-ED-X (Digital Education Exhibit)  
Imaging Challenges for Staging and Response Assessment in Malignant Pleural Mesothelioma: A Primer for Radiologists

CH127-ED-X (Digital Education Exhibit)  
Lost but Not Forgotten! Misplaced and Retained Surgical and Procedural Devices: A Case-based Approach

CH128-ED-X (Digital Education Exhibit)  
The Retrosternal Clear Space

CH129-ED-X (Digital Education Exhibit)  
The Lesser-Known Cystic Lung Diseases

CH130-ED-X (Digital Education Exhibit)  
Thoracic Fistulas: Learning from Abnormal Pathways

CH131-ED-X (Digital Education Exhibit)  
Look Up on the Abdominal MRI

CH132-ED-X (Digital Education Exhibit)  
A Guide to Cystic Mediastinal Lesions: Pictorial Assay of Cystic/Partially Cystic Mediastinal Masses at Our Institution

CH133-ED-X (Digital Education Exhibit)  
Radiological-Pathological Correlation in Diffuse Lung Diseases Using Ultra-High-Resolution Computed Tomography (U-HRCT): From Miller's to Reid's Lobule

CH134-ED-X (Digital Education Exhibit)  
Mesenchymal Tumors of the Lung: Imaging Findings with Pathological Correlation

CH135-ED-X (Digital Education Exhibit)  
The Tiny Lung Syndrome: A Quiz-based Approach to Unilateral Small Lung

CH136-ED-X (Digital Education Exhibit)  
The Image Quality and Radiation Dose of Ultra-High-Resolution CT (UHRCT) with Minimum Radiation Dose Setting

CH137-ED-X (Digital Education Exhibit)  
Clinical Practice and Problems: Measurement of Solid Components on CT in Lung Adenocarcinoma

CH138-ED-X (Digital Education Exhibit)  
CT-Guided Pulmonary Nodule Localization: A Roadmap for Surgeons

CH139-ED-X (Digital Education Exhibit)  
Takayasu Arteritis: A Comprehensive Pictorial Review of Routine Findings and Complications

CH140-ED-X (Digital Education Exhibit)  
Mind the Gap! Accessory and Incomplete Lung Fissures: Clinical and Histopathologic Implications

CH141-ED-X (Digital Education Exhibit)  
Common and Uncommon Emergency Complications of Lung Cancer: A Pictorial Review

CH142-ED-X (Digital Education Exhibit)  
Koch's - the Great Mimicker: Atypical Tomographic Features of Thoracic Manifestations of Tuberculosis!

CH143-ED-X (Digital Education Exhibit)  
Thoracic Manifestations of Gastrointestinal Diseases, Interventions, and Syndromes

CH144-ED-X (Digital Education Exhibit)  
Iodine Density Maps from Dual-Energy Spectral Detector CT in Cardiothoracic Imaging: A Primer for the Radiologist

CH145-ED-X (Digital Education Exhibit)  
Anterior Mediastinal Lymphomas: An Approach for Radiologists

CH146-ED-X (Digital Education Exhibit)  
Axillary Anatomy and Non-Oncologic Pathology: Pearls and "Pit"falls for Thoracic Imagers

CH147-ED-X (Digital Education Exhibit)  
Smooth Muscle Conditions of the Thorax: Radiologic-Pathologic Correlation

CH148-ED-X (Digital Education Exhibit)  
Intrathoracic Abnormal Air: Where Abnormal Air Will Be Located and Where it Comes From

CH149-ED-X (Digital Education Exhibit)  
A Novel Imaging Protocol for Preoperative Arteriovenous 3D-CT for Pulmonary Surgery

CH150-ED-X (Digital Education Exhibit)  
Dual-Energy CT for Acute Pulmonary Artery Embolism: How "To Do It": Imaging Pearls, Benefits, and Pitfalls

CH151-ED-X (Digital Education Exhibit)  
Multifocal Lung Adenocarcinomas: Comprehensive Review and the Current Management Strategy

CH152-ED-X (Digital Education Exhibit)  
A Guide to Collateral Pathways in Superior and Inferior Vena Cava Occlusion

CH153-ED-X (Digital Education Exhibit)  
'Etiology for Chest Pain is Not Identified on This Study' - PE MIMIC: A Structured Approach to Where to Look Next on the Acute Chest Pain CT

CH154-ED-X (Digital Education Exhibit)  
Exhaling: An Overview of Tracheomalacia

CH155-ED-X (Digital Education Exhibit)  
Diagnosing Acute Mediastinitis in the ER: A Life Threatening Riddle

CH156-ED-X (Digital Education Exhibit)  
ECMO: Everything We Need to Know

CH157-ED-X (Digital Education Exhibit)  
Noninfectious Granulomatous Lung Diseases: Organizing the Pieces of the Puzzle

CH158-ED-X (Digital Education Exhibit)  
'Tip of the Iceberg': Tips and Tricks to Estimate Clot Burden and Location Prior to Pulmonary Endarterectomy in Chronic Thromboembolic Pulmonary Hypertension

CH159-ED-X (Digital Education Exhibit)  
Imaging Findings of Central Venous Catheters Related Complications: A Pictorial Review

CH160-ED-X (Digital Education Exhibit)  
More than One Way to Skin a Cat: Nodule Localization Techniques Using Microcoils Prior to VATS Wedge Resection

CH161-ED-X (Digital Education Exhibit)  
Cystic Lung Disease: A Step-by-Step Approach for Residents

CH162-ED-X (Digital Education Exhibit)  
How Fluent are You in Fleischner Terminology? A Case-based Quiz on Most Commonly Used Terms in Thoracic CT

CH163-ED-X (Digital Education Exhibit)  
Imaging Characteristics of Pulmonary Toxicity Associated with Cancer Immunotherapy: What Every Radiologist Needs to Know

CH164-ED-X (Digital Education Exhibit)  
Anatomy of Pericardial Recesses: Implications for Oncologic Imaging

CH165-ED-X (Digital Education Exhibit)  
Is this Line/Tube/Catheter Placed Properly? Probably NOT! Lessons Learned from Malpositioned Devices Seen on Chest Radiographs

CH166-ED-X (Digital Education Exhibit)  
Minimal Traumatic Aortic Injury: Disease Spectrum and Role of Imaging

CH167-ED-X (Digital Education Exhibit)  
A Radiologic Overview of Thoracic Manifestations in Patients with Chronic Kidney Disease

CH168-ED-X (Digital Education Exhibit)  
Evaluation of Immunotherapy Related Treatment Response in Non-Small Cell Lung Cancer: RECIST 1.1 and Beyond

CH169-ED-X (Digital Education Exhibit)  
Looking for the Bubble: Atypical and Unusual Thoracic Extrapulmonary Air

CH170-ED-X (Digital Education Exhibit)  
Ultrasound-Guided Biopsy Using Image Fusion of Thorax: If You Can See It, You Can Biopsy It

CH171-ED-X (Digital Education Exhibit)  
Immunotherapy in the Treatment of Cancer: Assessment of the Response to Treatment and Immuno-Related Adverse Events

CH172-ED-X (Digital Education Exhibit)  
Computed Tomography Findings of IgG4-Related Lung Disease

CH173-ED-X (Digital Education Exhibit)  
Dual-Energy CT in Thoracic Imaging: Emerging Applications

CH174-ED-X (Digital Education Exhibit)  
The Radiologist's Ultimate Guide to Tumors, Tumor Mimics, and Nontraumatic Acquired Abnormalities of the Ribs

CH175-ED-X (Digital Education Exhibit)  
Role of Radiology in the Management of Pulmonary Embolism

CH176-ED-X (Digital Education Exhibit)  
A Plethora of Pulmonary Artery Pseudoaneurysms and Aneurysms

CH177-ED-X (Digital Education Exhibit)  
From the Bottom of One's Heart: Imaging Appearances of Pulmonary Venous Anomalies in Adults

CH178-ED-X (Digital Education Exhibit)  
Imaging in Cystic Fibrosis Follow-up: What is the News?

CH179-ED-X (Digital Education Exhibit)  
Many Faces of Pulmonary Paracoccidioidomycosis

CH180-ED-X (Digital Education Exhibit)  
Thoracic Endemic Fungi in the Era of Teleradiology: The Importance of Patient Location, Location, Location

CH181-ED-X (Digital Education Exhibit)  
Pulmonary Arteriovenous Malformations in the Setting of Osler-Weber-Rendu: What the Diagnostic Radiologist Needs to Know

CH182-ED-X (Digital Education Exhibit)  
Asbestos - The Latent Danger: Pictorial Review of Asbestos-Related Diseases

CH183-ED-X (Digital Education Exhibit)  
Lymphomas of the Chest: Lymph Nodes and Beyond

CH184-ED-X (Digital Education Exhibit)  
Heterogeneity of Clinoradiological Manifestations of Primary Humoral Immunodeficiency

CH185-ED-X (Digital Education Exhibit)  
Pulmonary Nodules and Beyond: What Radiology Residents and Fellows Need to Know

CH186-ED-X (Digital Education Exhibit)  
Pulmonary Edema on Chest Computed Tomography: Imaging Findings from Typical to Rare Cases in Time-Dependent Change and Quantitative Assessment

CH187-ED-X (Digital Education Exhibit)  
Hazards of the Profession: Reviewing Unusual Causes of Pneumoconiosis

CH188-ED-X (Digital Education Exhibit)  
A Step Closer to the Unknown: Pulmonary Changes Post-Immunotherapy with Nivolumab

CH189-ED-X (Digital Education Exhibit)  
Light as Air: Imaging Course of Lung Transplantation from Patient Selection to Postoperative Complications

CH190-ED-X (Digital Education Exhibit)  
Locally Advanced Esophageal Cancer: A Pictorial Essay About Complications

CH191-ED-X (Digital Education Exhibit)  
The Lasting Lung Effects of the Legalizing Leaf: What a Radiologist Needs to Know about Marijuana

CH192-ED-X (Digital Education Exhibit)  
Correlation with Mammography is Recommended: An Approach to Incidental Breast Lesions on Chest CT

CH193-ED-X (Digital Education Exhibit)  
Down the Hatch: A Systematic Approach in Cross-Sectional Evaluation of the Trachea

CH194-ED-X (Digital Education Exhibit)  
Pleural Appendages (PA) - A New Cause of Lung Nodules

CH196-ED-X (Digital Education Exhibit)  
Hemoptysis: A Practical Guide to Understand Its Causes and Treatments

CH197-ED-X (Digital Education Exhibit)  
What is GAN? Contribution to Radiology Using Cutting Edge Technology

CH198-ED-X (Digital Education Exhibit)  
Transdiaphragmatic Pathways: Pathology into the Chest from the Abdomen

CH199-ED-X (Digital Education Exhibit)  
Pulmonary Neuroendocrine Tumors: Where Are We? A Pictorial Review with Radiologic-Pathologic Correlation  
CH200-ED-X (Digital Education Exhibit)  
Contrast-Enhanced Lung Ultrasound (CEUS) of the Lung: Typical Findings with Pathologic and CT Correlation

CH201-ED-X (Digital Education Exhibit)  
Thoracic Complications in Liver Directed Therapy and Hepatic Intervention

CH202-ED-X (Digital Education Exhibit)  
Pulmonary Edema: How Disruption of Fluid Physiology Leads to Radiologic Presentation

CH203-ED-X (Digital Education Exhibit)  
How to Get Away with Invasion: Atypical Presentations of Lung Adenocarcinoma

CH204-ED-X (Digital Education Exhibit)  
Pleural Tumors and Tumorlike Conditions: A Multimodality Approach

CH205-ED-X (Digital Education Exhibit)  
CT Features of Interstitial Lung Disease in Patients with ANCA Associated Vasculitis

CH206-ED-X (Digital Education Exhibit)  
‘Red Flags’ for Acute Thoracic Vascular Emergencies on Non-Enhanced Computed Tomography

CH207-ED-X (Digital Education Exhibit)  
Cavitary Lung Lesions: Review of Causes, Imaging Findings, and Their Mimics

CH208-ED-X (Digital Education Exhibit)  
Let’s Clear the Trachea: A Broad Review of the Trachea

CH209-ED-X (Digital Education Exhibit)  
A Practical Approach to Pulmonary Calcifications

CH210-ED-X (Digital Education Exhibit)  
Stereotactic Body Radiation Therapy for Lung Cancer: CT Changes

CH211-ED-X (Digital Education Exhibit)  
Four Targets for Malignant Pleural Mesothelioma (MPM)

CH212-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
Essentials of Thoracic Neurogenic Tumors

CH213-ED-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Finding Hemo: Imaging in Hemoptysis  
CH214-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
The Role of Thoracic Imaging in Cystic Fibrosis: Correlation with Clinical and Physiological Findings

CH215-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Handbook of 3D Printing for Cardiothoracic Radiologists: The Ultimate Guide

CH216-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Smoking-Related Lung Diseases: HRCT Findings, Clinical and Pathological Correlations

CH217-ED-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Thoracic Imaging Manifestations of Treated Lymphoma: Response Evaluation, Post-Therapeutic Sequelae and Complications

CH218-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Radiomics and Radiogenomics in Thoracic Imaging: Techniques and Clinical Applications

CH219-ED-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
Thoracic Lymphatic Metastases from Extra-Pulmonary Malignancies: Predictable Patterns of Spread

CH220-ED-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Drug-Induced Lung Disease in Precision Cancer Therapy

CH221-ED-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Introduction to Artificial Intelligence and Big Data Research in Chest Radiology

CH222-ED-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Pulmonary Hypertension on Chest Computed Tomography: Imaging Findings from Typical to Rare Cases and Quantitative Indices Including Updated Methods by Dual Energy Scanner

CH223-ED-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
Evaluation of Post-Thoracic Radiotherapy, CT Features of Thoracic Complications and Recurrence: What Every Radiologist Needs to Know

CH224-ED-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Listen Up to the Windpipe: A Review of Tracheobronchial Pathologies

CH225-ED-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
Lung Cysts: Uncommon and Rare Etiologies with Clinical and Pathological Correlation  
CH226-ED-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Precision Cancer Therapies in Lung Cancer: Current Status and Role of the Image

CH227-ED-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Cardiopulmonary Physiology in the ICU: Understanding Commonly Monitored Parameters with Illustrative Cases and Radiographic Findings

CH228-ED-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
It’s Not Just Crack That’s Whack: Cardiothoracic Complications of the Opioid Epidemic

CH229-ED-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Pearls and Pitfalls in Interpreting Thoracic CTA for Acute Aortic Pathology

CH230-ED-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
A Resident’s Guide to Understanding the New 2018 ACR White Paper for the Management of Incidental Mediastinal and Cardiovascular Findings on Thoracic CT

CH231-ED-WEA8 (Wed, 12:15-12:45 PM, Station #8)  
Brief Report on Radiological Changes Following Radiofrequency Ablation of Lung Metastasis: A Pictorial Essay

CH232-ED-WEA9 (Wed, 12:15-12:45 PM, Station #9)  
Crossing and Filling the Pleural Space: Pitfalls in Post Thoracic Surgery CT Interpretation

CH233-ED-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Atypical Pneumonias: What is Atypical After All?

CH234-ED-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
Evaluation of Lung Transplant Complications on a Timeline:  
What the Radiologist Should Know

CH235-ED-WEB9 (Wed, 12:45-1:15 PM, Station #9)  
Management of Solitary Pulmonary Nodules: Pushing the  
Limits Beyond the Guidelines

CH236-ED-THA7 (Thu, 12:15-12:45 PM, Station #7)  
Potentially Critical Thoracic Complications in the Oncologic  
Patient: Spectrum of CT Findings and Imaging-Based  
Diagnostical Approach

CH237-ED-THA8 (Thu, 12:15-12:45 PM, Station #8)  
Dual-Energy Imaging in Cardiothoracic Pathologies: A  
Primer for Radiologists and Clinicians  
CH238-ED-THA9 (Thu, 12:15-12:45 PM, Station #9)  
Thoracic Imaging in the Targeted Therapy Cancer: A  
Practical Guide of Immunotherapy-Related Manifestations

CH239-ED-THB7 (Thu, 12:45-1:15 PM, Station #7)  
Imaging Assessment of Thoracic Vasculitis

CH240-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
OnwARDS and UpwARDS TowARDS Understanding Acute  
Respiratory Distress Syndrome: A Comprehensive Imaging  
Review

CH241-ED-THB9 (Thu, 12:45-1:15 PM, Station # 9)  
Diagnosis of Suspected Pulmonary Embolism in Pregnancy:  
Review of Clinical Diagnostic Pathways, Key Components,  
Associated Data, and Guideline Recommendations

CH242-ED-X (Digital Education Exhibit)  
Prediction of Survival in Patients with Rheumatoid  
Arthritis-Associated Interstitial Lung Disease Based on  
Deep-Learning and Radiomic Features of Lung CT Images

CH242-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Pluralistic Medical Features based Hybrid Deep Learning  
Network for Pulmonary Nodule Intelligent Diagnosis and  
False Positives Elimination

CH243-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Lung Tumor Segmentation for Volume Measurement Using  
Coupling-Net in Chest CT Images of Lung Cancer Patients

CH244-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Mono-Exponential Diffusion Weighted Imaging (DWI) of  
Chest Wall Tumors

CH245-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Versatile CT Pulmonary Angiography Protocol Performed at  
Maximum Inspiration

CH246-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
CT-Based Quantification of Emphysema Correlates with  
Vertebral Fracture: Data from CT Lung Cancer Screening  
Beyond 10 Years

CH247-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Clinical Utility of Measuring Tumor Respiratory  
Displacement Distance to Detect Parietal Pleura Invasion in  
Patients with Primary Lung Cancer  
CH248-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
The High Prevalence of RV/LV Ratio  $\geq 1$  Among Patients  
Undergoing CT Pulmonary Angiography

CH249-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Comparison of Emphysema Scores on Low and Ultra-Low  
Radiation Dose CT Images Using Different Reconstruction  
Methods

CH250-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Radiomics Analysis Using Tumor Marginal Property for  
Pathological Invasion in Lung Adenocarcinoma

CH251-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Virtual Monochromatic Dual-Energy Pulmonary CT  
Angiography with Reduced Iodine Dose: Quantitative and  
Qualitative Assessment

CH252-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
CT-Identified Bronchiectasis in Never-Smokers: Association  
with Respiratory Symptoms, Lung Function, and Exercise  
Capacity

CH253-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
A Novel Augmented Deep Learning Approach for  
Quantitative Assessment of Indeterminate Nodules

CH254-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Improving Image Quality of Bronchial Arteries with the  
Combination of Low Energy Images in Dual-Energy Spectral  
CT and Adaptive Statistical Iterative Reconstruction  
Improving Image Quality of Bronchial Arteries with the  
Combination of Low Energy

CH255-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
The Value of Intravoxel Incoherent Motion Diffusion-  
Weighted Imaging in Predicting the Pathologic Response to  
Neoadjuvant chemotherapy in Locally Advanced Esophageal  
squamous Cell Carcinoma

CH256-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Lung Cancer Screening in an Underserved Asian American  
Population

CH257-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
A Study of CT Spectral Imaging in Patients with Aortic Dissection using 256-Row Detector CT

CH258-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Correlation Study of EGFR in Lung Adenocarcinoma Based on Energy Spectral CT  
CH259-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Performance and Outcomes of Suspicious Lung-RADS Categorization

CH260-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Effects of The First Deep Learning CT Reconstruction Technique (AiCE) Using Thinner Slices Versus State-of-the-Art Adaptive Dose Reduction 3D (AIDR 3D) on Image Quality and Dose Management in CT Pulmonary Angiography

CH261-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Dual-Energy CT in Patients Treated with Radiotherapy and Chemotherapy for Central Lung Cancer: A New Method for Monitoring Tumor Response

CH262-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Clinical Value of Ultra-HRCT in Pulmonary Nodules: Comparison of 0.5-mm 512-Matrix HRCT with 2-mm 1024-Matrix HRCT

CH263-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
CT Guided Microcoil Placement for Video-Assisted Thoracoscopic Surgical (VATS) Resection of Small Pulmonary Nodules: A Single Cancer Experience

CH264-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Pilot Study: Dual Energy CT (DECT) for Evaluation of Tumor Response to Immune Checkpoint Inhibitor Immunotherapy for Stage 4 Non-Small Cell Lung Cancer (NSCLC) Patients

CH265-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Evaluating Real-World Performance of a Chest X-Ray TB Screening AI Tool versus Radiologists and Bacteriological Confirmatory Tests

CH266-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Safety Impact of Patient Positioning on Pneumothorax Rates After Lung Biopsy at a Single Community Hospital

CH267-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Correlation Analysis of Dual-Energy Computed Tomography Iodine Uptake Parameters and Chest Computed Tomography Perfusion Parameters in Lung Cancer Patients

CH268-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Determination of Active Tuberculosis and Inactive Fibronodular Opacity on Chest Radiographs Using Deep Learning Algorithm  
CH269-SD-THB1

(Thu, 12:45-1:15 PM, Station #1)  
A Deep Learning Model to Aid in Pneumothorax Detection and Analysis Via Chest X-Ray: A Retrospective Cohort Study of the NIH-based Chest X-Ray Dataset

CH270-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Volume Change in Pulmonary Solid Nodules During Respiration: Investigation with Dynamic-Ventilation Computed Tomography Image Data

CH271-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Multi-Task, Multiscale Convolutional Neural Network for Active/Inactive Pulmonary Tuberculosis Classification on Chest X-ray Images

CH272-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
Development and Evaluation of a Venous CT Radiomics Model To Predict Lymph Node Metastasis from Non-Small Cell Lung Cancer

CH273-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Development of a 3D U-net Deep-Learning Model for Automated Detection of Lung Nodules on Chest CT Images: Internal and External Validation Using LIDC and Japanese Datasets

CH274-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Based on CT Radiomics to Distinguish the Anterior Mediastinal Cyst from Type B1 and Type B2 Thymoma

CH275-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Radiomics-Based Machine Learning Methods for WHO Preoperative Classification of Thymic Epithelial Tumors

CH276-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
The Value of Fast Scanning Protocol on 16cm Wide-Detector Scanner in Chest CT for Patients with Severe Chronic Obstructive Pulmonary Disease

CH277-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Visual and Quantitative Assessment of Regional Xenon-Ventilation Using Dual-Energy Computed Tomography in Asthma-COPD Overlap Syndrome: A Comparison with COPD

CH278-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Texture Analysis Based on Apparent Diffusion Coefficient Maps: Potential Imaging Biomarkers in the Prediction of Epidermal Growth Factor Receptor Mutations for Advanced Non-Small Cell Lung Cancer

CH279-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Leveraging Interobserver Variability for Sensitive Pathology Detection in Chest X-Rays

CH280-SD-THA6 (Thu, 12:15-12:45 PM, Station #6)  
The Diagnostic Accuracy and Complication of Percutaneous Transthoracic Needle Lung Biopsy in Patients with Idiopathic Pulmonary Fibrosis

CH281-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Ferumoxytol-Enhanced MR Venography of the Central Veins of the Thorax to Evaluate Stenoses and Occlusions in Patients with Renal Failure

CH282-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Reducing Metal Artifacts in Chest Biopsy Procedure with Dual-Energy Spectral CT-Generated Monochromatic Images

CH283-SD-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Application of Artificial Intelligence For the Prediction of Lung Cancer Survival Using Diffusion-Weighted Images

CH284-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
The Diagnostic Value of Pulmonary Embolism (PE) Using Iodine-Based Material Decomposition Images with a 16cm Wide-Detector Dual-Energy Spectral CT

CH285-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Tumor Invasiveness and Malignant Prediction in GGO Lung Nodules using Deep Learning Methods

CH286-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Volume Doubling Time of Primary Lung Cancers in Interstitial Lung Disease

CH287-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
The Robustness of Lung Nodule Computer-Aided Detection (CAD) Performance in Low-Dose CT Across Heterogeneous Acquisition and Reconstruction Conditions

CH288-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Dual-Energy CT Imaging in the Assessment of Non-Small Cell Lung Cancer Treated with Bevacizumab: A Mouse Model Study

CH289-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Natural Courses of Stable Subsolid Nodules for the Initial 5-Years: How Many Fractions of the Nodules Have Grown Since Then and Do These Growths Have an Impact on the Patients' Outcome?  
CH290-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Radiomic Machine Interpretations Can Improve Lung Nodule Diagnostic Sensitivity for Human Readers: Preliminary Findings in a Multi-Site Multi-Reader Study

CH291-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Comparison in Pulmonary Small Vessel Area and Association with Pulmonary Emphysema between Lower and Standard Energy Data Acquisition: Quantitative Assessment with Dual-Energy Computed Tomography  
CH292-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
CT Morphological Features of the Mediastinal Drowning Sign in Pulmonary Diffuse Lymphangiomatosis

CH293-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Implication of Tuberculosis Sequelae on Lung-RADS Categorization and Lung Cancer Risk in a Tuberculosis-Endemic Country: Results of a Nationwide Lung Cancer Screening Project (K-LUCAS)

# Emergency Radiology

ER001-EB-X (Hardcopy Backboard)  
Foreign Body Within the Abdominal Cavity: Emphasis on Its Potential Complications

ER002-EB-X (Hardcopy Backboard)  
Learning from Disaster: What Past Events Can Teach Us about Radiology Planning for a Mass Casualty Incident

ER003-EB-X (Hardcopy Backboard)  
Dual-Energy CT: How to Use it to Salvage Suboptimal CT Angiograms

ER004-EB-X (Hardcopy Backboard)  
Don't Stop Me Now: The CTA Lyrics to a Fast and Accurate Treatment of Abdominal Active Bleeding

ER100-ED-X (Digital Education Exhibit)  
The Radiologist's Role in Stratifying Blunt Chest Trauma Incorporating Best Practice Reporting Guidelines

ER101-ED-X (Digital Education Exhibit)  
The Night is Dark and Full of Terrors: A Primer for Overnight Blind Spots for the On-Call Radiologist

ER102-ED-X (Digital Education Exhibit)  
Imaging Findings of Rodeo Injuries in the Wild West

ER103-ED-X (Digital Education Exhibit)  
Bigger isn't Always Better: Review of Important Imaging Measurements for the On-Call Radiology Resident

ER104-ED-X (Digital Education Exhibit)  
MRI Appearance of Clinical Mimics of Appendicitis in Pediatric Patients

ER105-ED-X (Digital Education Exhibit)  
Breast Emergency: How Do I Manage It?

ER106-ED-X (Digital Education Exhibit)  
In and Outs of Plain Radiographs of the Abdomen: Looking for Abdominal Air Where it Should Not Be

ER107-ED-X (Digital Education Exhibit)  
Emergency Imaging Assessment of Intracranial Complications of Acute ENT Infections

ER108-ED-X (Digital Education Exhibit)  
About to Blow Up!: Case-based Review of Impending Signs of Aortic Rupture, Treatment, and Endoleak Complications

ER109-ED-X (Digital Education Exhibit)  
Image Overload: How to Approach an Emergency Brain MRI

ER110-ED-X (Digital Education Exhibit)  
The Family Jewels: Pearls for Imaging Patients with Acute Scrotal Pain

ER111-ED-X (Digital Education Exhibit)  
The Perilous Pancreas: A Multimodality Review of Pancreatic Trauma

ER112-ED-X (Digital Education Exhibit)  
MDCT Atlas of AAST Solid Organ Injury Scaling 2019 Update

ER113-ED-X (Digital Education Exhibit)  
The On-Call Radiology Residents Guide to Managing the Reading Room: Distractions, Downtimes, and Discussions

ER114-ED-X (Digital Education Exhibit)  
"Point of Care" in Abdominal Trauma: What Not to Miss

ER115-ED-X (Digital Education Exhibit)  
Damage Control Surgery: Commonly Missed Injuries, Pitfalls, and Mimics within the Abdomen on Diagnostic CT

ER116-ED-X (Digital Education Exhibit)  
Pancreatic Injury in Blunt Abdominal Trauma

ER117-ED-X (Digital Education Exhibit)  
Multi-Modality Imaging of Pancreatic Trauma

ER118-ED-X (Digital Education Exhibit)  
Don't Skip a Beat! Critical Imaging Findings in Adults with Congenital Heart Disease Presenting to the Emergency Department

ER119-ED-X (Digital Education Exhibit)  
When Residents are On-Call: A Pictorial Review of Common and Unusual Findings of Intracranial Bleeding and Ischemic Infarcts in the ER

ER120-ED-X (Digital Education Exhibit)  
Tomography of Acute Orbital Pathology: Only One Point of View

ER121-ED-X (Digital Education Exhibit)  
The Walking Brain: What the Radiologist Needs to Know About Cerebral Herniation

ER122-ED-X (Digital Education Exhibit)  
Pictorial Review of Cardiac Tamponade: What Radiologists Need to Know



ER123-ED-X (Digital Education Exhibit)  
Brain CT Perfusion Studies: Turning False Ischaemic Penumbra into Light

ER124-ED-X (Digital Education Exhibit)  
Trauma in Pregnancy: One CT Scan Can Save Multiple Lives

ER125-ED-X (Digital Education Exhibit)  
The Changing World of Contraband Smuggling

ER126-ED-X (Digital Education Exhibit)  
On-call Primer of Aortic Emergencies

ER127-ED-X (Digital Education Exhibit)  
The Small Bowel Goes to the ER

ER128-ED-X (Digital Education Exhibit)  
How to Detect Pulmonary Embolism, Especially Small Emboli More Quickly with Dual-Energy Spectral CT

ER129-ED-X (Digital Education Exhibit)  
Utility of Single-Phase Contrast-Enhanced CT in the Evaluation of Abdominopelvic Trauma

ER130-ED-X (Digital Education Exhibit)  
Checklist Approach as a Guide to the Interpretation of Chest CT Examinations Showing Diffuse Abnormalities in Acute Disease

ER131-ED-X (Digital Education Exhibit)  
Headache: What to Look for on Emergency Neuroimaging in the Headache Patient

ER132-ED-X (Digital Education Exhibit)  
Ischemic Strokes in Uncommon Distribution: A Case-based Review with Emphasis on Symptomatology and CT Perfusion to Improve Detection

ER133-ED-X (Digital Education Exhibit)  
Role of Magnetic Resonance Imaging (MRI) in Assessment of Vascular Thoracoabdominal Emergencies

ER134-ED-X (Digital Education Exhibit)  
Traversing New Terrain: Expected Emergency Radiology Findings in the Transgender Patient Post Gender Confirming Surgery

ER135-ED-X (Digital Education Exhibit)  
What to Do When Urine Trouble... Imaging Appearances and the Role of Interventional Radiology in Urological Trauma

ER136-ED-X (Digital Education Exhibit)  
Doctor, I Have Chest Pain! Is it an Acute Aortic Thoracic Syndrome?

ER137-ED-X (Digital Education Exhibit)  
Torsion: Twists and Turns and Lessons Learned

ER138-ED-X (Digital Education Exhibit)  
Comprehensive Review of Traumatic Diaphragmatic Injuries (TDI): Radiological-Surgical Perspective

ER139-ED-X (Digital Education Exhibit)  
Dual-Energy CT for Diverticular Disease of Intestinal Tract

ER140-ED-X (Digital Education Exhibit)  
Spontaneous Coronary Artery Dissection (SCAD): Emergency Radiology Perspective

ER141-ED-X (Digital Education Exhibit)  
Is that Emphysema? Case-based Review of Emphysematous Infections of the Abdomen and Pelvis

ER142-ED-X (Digital Education Exhibit)  
Don't Forget the Duodenum: Imaging Spectrum of Duodenal Emergencies

ER143-ED-X (Digital Education Exhibit)  
Ventral Hernia Repair: What the Surgeon Wants to Know

ER144-ED-X (Digital Education Exhibit)  
Spectral CT in Head and Neck Emergency: How Can We Better Utilize?

ER145-ED-X (Digital Education Exhibit)  
Rules to Scan By: Criteria for Guiding Imaging Workup in Trauma

ER146-ED-X (Digital Education Exhibit)  
Multimodal Imaging Evaluation of Percutaneous Vascular Injuries: A Case-based Review for Radiology Residents

ER147-ED-X (Digital Education Exhibit)  
Case-based Review of Strokes Mimics for the Radiologist

ER148-ED-X (Digital Education Exhibit)  
Imaging of Pancreatic Injuries: A Never Ending Story

ER149-ED-X (Digital Education Exhibit)  
Top 20 Urinary Bladder Emergencies You Shouldn't Neglect

ER150-ED-X (Digital Education Exhibit)  
What is Expected When They are Expecting - Imaging and Management of Trauma Pregnant Patient in the Emergency Room Settings and on the Floor: Expectations and Steps to Succeed

ER151-ED-X (Digital Education Exhibit)  
Spontaneous Brain Hemorrhage: A Primer for the Resident on Call

ER152-ED-X (Digital Education Exhibit)  
Exsanguinating Entrails: What the Radiologist Needs to Know About Acute Gastrointestinal Bleeding

ER153-ED-X (Digital Education Exhibit)  
Fat Stranding as a Clue to Help in Emergency Cases

ER154-ED-X (Digital Education Exhibit)  
How Good Are You at Tubes and Lines?

ER155-ED-X (Digital Education Exhibit)  
Ectopic Gas: Worrisome Bubbles!

ER156-ED-X (Digital Education Exhibit)  
System-Wise Clinically Oriented Review of Emergency CT Scans in a Tertiary Oncology Centre

ER157-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Pancreatic Injury: Comprehensive Imaging Review and Management Update

ER158-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
The Whole Spine Yards: A Review of Pediatric Spine Trauma

ER159-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Key Findings that Influence the Management of Head and Neck Infectious Emergencies: What the Radiologist Must Tell the ER

ER160-ED-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
CT in Diagnosis of Post-Colonoscopy Complications: What the Radiologist Must Know

ER161-ED-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Twenty Known and Emerging DECT Applications in Emergency Neuroradiology

ER162-ED-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
The Top 10 Radiological Diagnosis for the Pediatric Emergency Room: A Practical and Pictorial Review from Head to Toe

ER163-ED-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Surgical Fixation of Rib Fractures: What the Radiologist Should Know

ER164-ED-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Let's Be Blunt: Imaging and Management of Genitourinary Tract Trauma

ER165-ED-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Retroperitoneal Injuries on MDCT from Blunt and Penetrating Trauma Revisited: Pearls and Pitfalls

ER166-ED-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Review of Non-Traumatic Renal Emergency Conditions

ER167-ED-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
CNS Emergencies and Complications of HIV

ER168-ED-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
The Temporal Rift: Making the Key Features of Temporal Bone Fractures Accessible to the Non-Neuroradiologist

ER169-ED-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Splenic Trauma: New 2018 AAST Injury Grading Scale for an Evolving Landscape towards Non-Operative Management

ER170-ED-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Perilous Pipe Problems: Review of Abdominopelvic Arterial Emergencies

ER171-ED-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Imaging Findings in Intimate Partner Violence

ER172-ED-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
The Dark Side of Postpartum: A Pictorial Review of Puerperal Complications

ER173-ED-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Imaging Evaluation of Abdominopelvic Gunshot Trauma: What the Radiologist Needs to Know

ER174-ED-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Vascular Injuries by Gunshot Wound: Pearls and Pitfalls

ER175-ED-X (Digital Education Exhibit)  
MDCT of Skull Base Fractures: Classification Systems, Complications, and Management

ER200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
DECT Evaluation of Acute Appendicitis Using Iodine Maps

ER201-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Role of Oblique Coronal Reconstruction(OCR) of the Ribs for Blunt Trauma Chest in a Large Trauma Center: Our Experience  
ER202-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Differentiation of Drowning in Seawater and Freshwater with Pleural Effusion: A Phantom Study Using Dual-Layer Spectral CT

ER203-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Ruling Out Pneumothorax Via Ultrasound Using B-Flow Imaging

ER204-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Pregnant Trauma: Retrospective Analysis of Fetal Outcome in the Trauma of Pregnant Patients

ER205-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Usefulness of a Clinical Decision Support System (CDSS) for Suitability of Performance of an Aortic CT-Angiography for the Diagnosis of Acute Aortic Syndrome (AAS) MAPAC Imaging Project

ER206-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Performance Evaluation of a Deep Learning Algorithm in Measuring Midline Shift in Head CT Scans

ER207-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Correlation between the Severity of Traumatic Aortic Injury and Clinical Outcomes at a Level 1 Trauma Center

ER208-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
A Comparative Study on the Detection Efficiency for Different Types of Fractures Based on Deep Learning (DL) Algorithm

ER209-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Speed Balling: Identify Lab Values which May Predict a Positive Imaging Finding on a CT to Help Triage Patients in an ED Setting

ER210-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Optic Nerve Sheath Diameter Measurement for Predicting Raised Intracranial Pressure in Patients with Traumatic Brain Injury: A Meta-Analysis

ER211-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Choosing Wisely: Imaging Recommendations Reduce Unnecessary Radiological Exams in an Emergency Department

ER212-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Availability of the High-Pitch Helical Scan Using Dual-Source CT in Aortic Disease: ECG-Gated is No Longer Needed

ER213-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
MAPAC Project: Image Algorithm for Acute Chest Pain with Suspicion of Coronary Heart Disease in the Emergency Department

ER214-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Is the Intravascular Gas of the Organs on Early Postmortem CT Always Related to Cardiopulmonary Resuscitation?

ER215-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Feasibility of Point-of-Care Knee Ultrasonography for Diagnosing Anterior Cruciate and Posterior Cruciate Ligament Tears in the Emergency Department

ER216-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Defining CT Based Imaging Variables that Correlate with Angiographic Findings and Clinical Outcome in Trauma Patients

ER217-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Diagnostic Accuracy of Three-Dimensional Surface Rendering Reconstruction Images in Detection of Cervical Spine Injuries Using Multi-Planar Computed Tomography as Reference Standard

ER218-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
MAPAC Imaging Project - Value of a Clinical Decision Support System (CDSS) for the Worthiness of Carrying Out An Abdominal Angio-CT For the Diagnosis of Acute Mesenteric Ischemia (AMI)

ER219-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Performance Evaluation of Deep Learning Algorithm in Measuring the Volume of Cerebral Hematoma

ER220-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Can Obstructive Urolithiasis Be Safely Excluded on Contrast-Enhanced CT?: A Retrospective Noninferiority Analysis Between Contrast-Enhanced and Non-Contrast CT

ER221-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
The Accuracy and Feasibility of Automatic Classification and Localization of Rib Fractures from Thorax CT using Convolutional Neural Networks

ER222-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Segmental Bowel Wall Hypoenhancement on CT Predicts Devascularizing Mesenteric Injury After Blunt Trauma

ER223-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
The Performance of Deep Learning-Based Computer Aided Diagnostic System (DL-CAD) in Diagnosis of Lobar Cerebral Hemorrhage with Computed Tomography

ER224-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Adrenal Hematomas And Associated Injuries in the Chest, Abdomen and Pelvis, A Level 1 Trauma Center Experience

ER225-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Cervical Spine Fracture Prevalence Using Machine Learning

ER226-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Small Bowel Obstruction (SBO) Predictors of Urgent Surgical Treatment and Bowel Resection

ER227-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Pitfalls of Automated ASPECTS: Initial Experience in A Tertiary Care Centre

ER228-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Intraosseous Contrast Administration for Emergency Computed Tomography: A Case-Control Study

ER229-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Improved Detection of Acute Small Vessel Occlusions Using CT Perfusion in Acute Stroke

ER230-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Eliminating Radiologist Pre-Approval of CT Protocols: Impact on Emergency Department Turnaround Times

ER231-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Performance Analysis of Deep Learning Algorithm for Emergency Chest CT Reading

ER232-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Virtual Monochromatic Reconstructions of Dual-Energy CT in Abdominal Trauma: Optimization of Energy Level Improves Pancreas Laceration Conspicuity and Diagnostic Confidence

ER233-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
The Utility of Iodine Based Dual-Energy CT (DECT) in Triaging Patients with Blunt Bowel Injury

ER234-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Deep Learning-Based Computer Aided Diagnostic System Reduces Reading Time and Occupational Fatigue of Radiologists in Thoracic Fracture  
ER235-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Peritoneal Infarcts: Timing of CT Scan

ER236-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Small Bowel Feces Sign in The Setting of Mesenteric and Bowel Injuries Due to Blunt Bowel Trauma

ER237-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
A 2019 International Survey to Assess Trends in Follow-up Imaging of Blunt Splenic Trauma

ER238-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Can Pulmonary Embolism Rule-Out Criteria Replace The Need for D-Dimer Testing Among Patients with Low Clinical Probability in The Emergency Department?

ER239-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Assessment of CT Scan Need for Patients with Delayed Presentation of Head Trauma

ER240-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Impact of Added CT Venography Performed in Combination with CT Pulmonary Angiography on the Detection of Deep venous Thrombosis and Relevant Occult CT-Findings

ER241-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
256-Rows Dual-Energy CT Virtual Decalcification Technique for Detection of Bone Marrow Edema at Visual and Quantitative Analyses

ER242-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Cervical Spine CT's Ordering in the Trauma Setting Based on NEXUS and Canadian C-Spine Rules: An Institutional Experience

ER243-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Diffusion Tensor Imaging (DTI) Indices in Spinal Cord Injury Patients

ER244-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Do TBI Patients with ICH Have a Signature Symptom Profile?

# Gastrointestinal

GI001-EB-X (Hardcopy Backboard)  
Intrahepatic Biliary Tree Anatomic Variants: MRCP Findings

GI002-EB-X (Hardcopy Backboard)  
Imaging and Review of Cholecystectomy Complications

GI003-EB-X (Hardcopy Backboard)  
Quality Assessment of Diagnostic Accuracy Studies (QUADAS)-2 Tool: A Practical Approach Using the Liver Imaging Reporting and Data System (LI-RADS)

GI004-EB-X (Hardcopy Backboard)  
Mimickers of Hepatocellular Carcinoma in the Setting of Chronic Liver Disease

GI005-EB-X (Hardcopy Backboard)  
Too Hard to Differentiate? Pictorial Review of Lesser Sac Diseases Focusing Cystic or Cavitory Change

GI006-EB-X (Hardcopy Backboard)  
Pneumatosis Intestinalis in Adult Bilateral Lung Transplant Patients: A Single Institution Experience and Literature Review

GI007-EB-X (Hardcopy Backboard)  
Morphologic and Functional Features of Cholestatic Liver Diseases Using Gadoteric Acid-Enhanced MRI

GI008-EB-SUA (Sun, 12:30-1:00 PM, Hardcopy Backboard)  
Multidisciplinary Oncologic Approach of Anal Cancer: What the Radiologist Needs to Know

GI100-ED-X (Digital Education Exhibit)  
Imaging of Hepatocellular Carcinoma Treated by Proton Beam Therapy: What Radiologists Should Know

GI101-ED-X (Digital Education Exhibit)  
Fat and Flow: Secondary Signs that Improve the Diagnosis of Appendicitis in the Sonographically Equivocal Appendix

GI102-ED-X (Digital Education Exhibit)  
Brief Guide: Ultrasound Evaluation of Organ Transplant

GI103-ED-X (Digital Education Exhibit)  
The Postsurgical Pelvis: Expected Findings versus Complications

GI104-ED-X (Digital Education Exhibit)  
Ultrasound in Perineal Fistulas and Abscesses

GI105-ED-X (Digital Education Exhibit)  
The Mysterious Mesentery: An Imaging Review

GI106-ED-X (Digital Education Exhibit)  
Pearls and Pitfalls in Multimodality Imaging of Colonic Volvulus

GI107-ED-X (Digital Education Exhibit)  
Small Bowel Malignancies

GI108-ED-X (Digital Education Exhibit)  
Differential Diagnosis of Left Iliac Fossa: Diagnostic Approach by Ultrasound Beyond Acute Diverticulitis

GI109-ED-X (Digital Education Exhibit)  
Spectrum of CT Findings in Amebic Colitis

GI110-ED-X (Digital Education Exhibit)  
Colorectal Cancer Mimics: A Lineup of the 'Usual Suspects' with Radiologic-Pathologic Interrogation

GI111-ED-X (Digital Education Exhibit)  
The Challenge of Unenhanced Body CT: How to Enhance Your Read

GI112-ED-X (Digital Education Exhibit)  
Role of Computed Tomography and Magnetic Resonance Imaging Findings in the Diagnosis of Rectal Submucosal Tumors

GI113-ED-X (Digital Education Exhibit)  
Extraosseous Multiple Myeloma: Imaging Spectrum in the Abdomen and Pelvis

GI114-ED-X (Digital Education Exhibit)  
The Many Faces of Postoperative Colon: A Review of Normal Findings, Pitfalls, and Complications

GI115-ED-X (Digital Education Exhibit)  
Creeping Fat: The Story So Far

GI116-ED-X (Digital Education Exhibit)  
The Role of Imaging in Quantitative Assessment of Hepatic Steatosis in Nonalcoholic Fatty Liver Disease: Focus on Quantitative Ultrasound Approaches

GI117-ED-X (Digital Education Exhibit)  
Diffuse Enlargement of the Pancreas: Not Always Autoimmune Pancreatitis

GI118-ED-X (Digital Education Exhibit)  
Abdominoperineal Resection and Beyond

GI119-ED-X (Digital Education Exhibit)  
The Blurred Diagnosis: Fat Stranding Patterns, Differentials, and Pitfalls - What Do Residents Need to Know?

GI120-ED-X (Digital Education Exhibit)  
Videodefecography in the Pelvis Floor Dysfunction: Is it Still Useful?

GI121-ED-X (Digital Education Exhibit)  
A Call to Action - Knowledge Gaps in LI-RADS Version 2018: Engaging Radiologists, Surgeons, and Clinicians to Improve LI-RADS

GI122-ED-X (Digital Education Exhibit)  
Colonic Interposition after Esophagectomy in Barium Studies: A Series of Awe-inspiring Esophagograms

GI123-ED-X (Digital Education Exhibit)  
Crohn's Disease: Pictorial Review of the CT and MR Findings, Standardized Terminology, and Management Guidelines from the 2018 Consensus Recommendations

GI124-ED-X (Digital Education Exhibit)  
What Radiologists Should Do to Perform an Abdominal MR Exam on Severe Dyspneic Patients

GI125-ED-X (Digital Education Exhibit)  
Policing the Abdomen: Imaging of the Greater Omentum on CT and MRI

GI126-ED-X (Digital Education Exhibit)  
Endoanal Ultrasonography of Anal Disease: A Primer for Abdominal Radiologists

GI127-ED-X (Digital Education Exhibit)  
Tracking the Fluid: A Resident's Guide to Interpret Route of Spread of Peritoneal Pathologies

GI128-ED-X (Digital Education Exhibit)  
Appendix Spectrum: Common and Uncommon Pathology

GI129-ED-X (Digital Education Exhibit)  
Small Bowel Masses: A Pictorial Review

GI130-ED-X (Digital Education Exhibit)  
Clinical Approach and Pictorial Review of Small Bowel Thickening: When Crohn's Disease and Malignancy Are Not the Diagnostic Answers  
GI131-ED-X (Digital Education Exhibit)  
Wanderlust in the Abdomen and Pelvis: Imaging Overview of Wandering Spleen

GI132-ED-X (Digital Education Exhibit)  
Pancreatic Cancer Imaging: A New Look at an Old Problem

GI133-ED-X (Digital Education Exhibit)  
Hepatic Hydatid Disease: What's in a Name? A Review of the Radiological Differences Between Alveolar (Echinococcus Multilocularis) and Cystic (Echinococcus Granulosus) Hydatid Disease for the Radiologist in Non-Endemic Areas

GI134-ED-X (Digital Education Exhibit)  
Peritoneal Disease and Peritoneal Carcinomatosis Index (PCI): The Role of the Radiologist

GI135-ED-X (Digital Education Exhibit)  
CT Staging of Pancreatic Adenocarcinoma: A Focus on Structured Reporting

GI136-ED-X (Digital Education Exhibit)  
Under Pressure! The "State-of-the-Art" of Portal Hypertension

GI137-ED-X (Digital Education Exhibit)  
Percutaneous Treatment of Liver Lesions: How Can Contrast-Enhanced Ultrasonography Help?

GI138-ED-X (Digital Education Exhibit)  
Imaging in Liver Fibrosis: Evolving from the Subjective to the Objective

GI139-ED-X (Digital Education Exhibit)  
Diverticular Disease of the Gastrointestinal Tract: A Pictorial Review from the Esophagus to Colon

GI140-ED-X (Digital Education Exhibit)  
Various Faces of Pancreatic Adenocarcinoma: Atypical Imaging Features

GI141-ED-X (Digital Education Exhibit)  
Dealing with the Epidemic: A Review of the Abdominal Imaging Findings of Recreational Drug Abuse

GI142-ED-X (Digital Education Exhibit)  
Imaging of the Hepatic Arterial Chemotherapy Infusion Pump and Its Complications: What the Radiologist Needs to Know  
GI143-ED-X (Digital Education Exhibit)  
Colorectal Liver Metastases: Radio-Pathological Correlation

GI144-ED-X (Digital Education Exhibit)  
CT Imaging of Retrievable IVC Filters: What the General Radiologist Should Know When Temporary Becomes Permanent

GI145-ED-X (Digital Education Exhibit)  
DUOPA in Distress: What Radiologists Should Know About a New Gastrojejunostomy System Fraught with Complications

GI146-ED-X (Digital Education Exhibit)  
The Biliary Cystadenoma: Evolving and Updated

GI147-ED-X (Digital Education Exhibit)  
Multifaceted Pancreatic Serous Cystadenoma and Its Differential Diagnosis at MRI

GI148-ED-X (Digital Education Exhibit)  
Automated CT Biomarkers for Opportunistic Cardiometabolic Screening: Adding Value Beyond the Clinical Indication

GI149-ED-X (Digital Education Exhibit)  
Imaging of Pathology Involving the Hepatic Veins and Inferior Vena Cava

GI150-ED-X (Digital Education Exhibit)  
The Ghost in MRCP: How to Reduction Motion Artifact in Respiratory-Gated MRI

GI151-ED-X (Digital Education Exhibit)  
Something's Wrong with My Six-Pack: Pre and Post-Surgical Imaging Findings of Abdominal Wall Hernias

GI152-ED-X (Digital Education Exhibit)  
MR Imaging of Acute Abdomen: Acute Appendicitis and Beyond

GI153-ED-X (Digital Education Exhibit)  
Biologic Therapy in Inflammatory Bowel Disease: A Radiologic Review

GI154-ED-X (Digital Education Exhibit)  
Prediction and Early Recognition of Biliary Procedure Complications: Identifying What Really Matters

GI155-ED-X (Digital Education Exhibit)  
How to Interpret Magnetic Resonance Imaging for Acute Gastrointestinal Lesions: Correlation with Pathophysiology

GI156-ED-X (Digital Education Exhibit)  
Imaging Spectrum of Ischemic Colitis: A Case-based Review

GI157-ED-X (Digital Education Exhibit)  
Small and Large Bowel Obstruction: Imaging approach, Etiology, and Treatment

GI158-ED-X (Digital Education Exhibit)  
Microbiota-Induced Gastrointestinal Malignancies: A Comprehensive Review

GI159-ED-X (Digital Education Exhibit)  
Perineum, the Great Forgotten: Test Your Knowledge in Unusual Perineal Masses

GI160-ED-X (Digital Education Exhibit)  
Morphometric Changes and Imaging Findings of Diffuse Liver Disease in Relation to Intrahepatic Hemodynamics

GI161-ED-X (Digital Education Exhibit)  
Pearls and Pitfalls of Imaging Features of Pancreatic Cystic Lesions: A Case-Based Approach

GI162-ED-X (Digital Education Exhibit)  
The Closed-Loop Conundrum: Imaging Features of Closed-Loop Small Bowel Obstruction on CT

GI163-ED-X (Digital Education Exhibit)  
Imaging Manifestations of Meckel's Diverticulum: We Love Meckel's Diverticulum!

GI164-ED-X (Digital Education Exhibit)  
Preoperative Simulation in Malignant Liver Tumor Resection: Is Simulation Possible without Liver Analysis Application Software?

GI165-ED-X (Digital Education Exhibit)  
Colorectal Cancer in the Emergency Department: Don't Miss It!

GI166-ED-X (Digital Education Exhibit)  
Gallbladder Cancer and Its Differential Diagnosis at MRI: What Radiologists Should Know

GI167-ED-X (Digital Education Exhibit)  
'There's Something in my Throat': Educational Review of Common and Not-So-Common Etiologies of Dysphagia

GI168-ED-X (Digital Education Exhibit)  
Primary Sclerosing Cholangitis: Emphasis on Role of MRI in Assessing Evolution and Complications

GI169-ED-X (Digital Education Exhibit)  
Gallstones Gone Crazy: An Imaging Panorama of Gallstone Complications

GI170-ED-X (Digital Education Exhibit)  
Floor is Not Always Smooth: Spectrum of Pelvic Floor Abnormalities in Dynamic MRI Defecography

GI171-ED-X (Digital Education Exhibit)  
Gynecologic Causes of Abdominal Pain on CT and MR Enterography

GI172-ED-X (Digital Education Exhibit)  
The Many Faces of Bowel Ischemia

GI173-ED-X (Digital Education Exhibit)  
An Imaging Exploration of Perianal Fistulas

GI174-ED-X (Digital Education Exhibit)

The Preoperative and Postoperative Colon: What the Radiologist Needs to Know

GI175-ED-X (Digital Education Exhibit)

Rare Peritoneal Tumors, Tumor-Like Conditions, and Mimics: Clinical and Imaging Clues to Diagnosis

GI176-ED-X (Digital Education Exhibit)

Unequivocal Guide to LI-RADS Treatment Response: Assessment of HCC Response After Arterial-based Locoregional Therapies

GI177-ED-X (Digital Education Exhibit)

Images You Can't Forget: The Importance of Barium in the Diagnosis of Esophageal Diseases

GI178-ED-X (Digital Education Exhibit)

Cholangiopathies, Going Down the Rabbit Hole

GI179-ED-X (Digital Education Exhibit)

A Systematic, Pattern-based Approach to Imaging Evaluation of Uncommon Liver Tumors in the Non-Cirrhotic Liver

GI180-ED-X (Digital Education Exhibit)

MRI Findings in Complicated Crohn's Disease

GI181-ED-X (Digital Education Exhibit)

Multimodality Imaging of Abdominal Neoplasms with Tumor Thrombus: What Radiologists Should Know

GI182-ED-X (Digital Education Exhibit)

Updates on Radiological and Clinicopathological Findings of Solid Pseudopapillary Neoplasm

GI183-ED-X (Digital Education Exhibit)

Multimodality Imaging and Pathophysiology of Non-Mass-Forming Malignant Tumors

GI184-ED-X (Digital Education Exhibit)

Diseases Which Should Not Be Overlooked in the Assessment of Suspected Appendicitis

GI185-ED-X (Digital Education Exhibit)

The Complementary Value of Glancing at the CT Scout (Topogram) for Abdominal CT Interpretation

GI186-ED-X (Digital Education Exhibit)

Volumetric Parameters of Functional MRI and Their Radiomic Features in Predicting HCC Tumor Differentiation

GI187-ED-X (Digital Education Exhibit)

Application of Spectral CT in the Response Evaluation of HCC After Locoregional Therapy: A Combination of Low Radiation Dose and Spectral Images

GI188-ED-X (Digital Education Exhibit)

Common Patterns of Change in ADC Histogram of Hepatocellular Carcinoma Lesions Following Transarterial Chemoembolization and Their Relationship with Patients' Prognosis

GI189-ED-X (Digital Education Exhibit)

Upping Your Klatskin Game: Case-based Review with Intraoperative Correlation

GI190-ED-X (Digital Education Exhibit)

The Revised Atlanta Classification of Acute Pancreatitis: What Radiologists Must Know

GI191-ED-X (Digital Education Exhibit)

Multimodality Liver Imaging in Adults After Fontan Procedure

GI192-ED-X (Digital Education Exhibit)

Let's Make it Easy: Differential Diagnosis in Bowel Wall Thickening

GI193-ED-X (Digital Education Exhibit)

MR of Rectal Cancer: How to Report It? A Practical Guide for Staging Report

GI194-ED-X (Digital Education Exhibit)

Cleaning Up Leak Studies: Reviewing Fluoroscopy Techniques to Optimize Detection of Leaks and Tears in the Esophagus and Stomach

GI195-ED-X (Digital Education Exhibit)  
Gastrointestinal Stromal Tumors: A Comprehensive Review of Clinical, Imaging, and Pathological Features

GI196-ED-X (Digital Education Exhibit)

Bioabsorbable Hemostatic Agents: Normal Appearance versus Postoperative Abdominal Abscess: CT Findings

GI197-ED-X (Digital Education Exhibit)

Artificial Intelligence and Liver Segmentation: Current Applications and Future Directions

GI198-ED-X (Digital Education Exhibit)

Pictorial Tour of Unusual and Uncommon Metastases in Abdomen and Pelvis

GI199-ED-X (Digital Education Exhibit)

Choosing the Best Test for Biliary Imaging: Re-Examining the Role of MRCP



GI200-ED-X (Digital Education Exhibit)  
Hepatic Iron Quantification MR Imaging Based: Is it Possible to Make it Simple?

GI201-ED-X (Digital Education Exhibit)  
Challenges in the Interpretation of Post-Treatment MRI in Rectal Cancer: How to Successfully Navigate the Minefield of Post-Treatment MRI

GI202-ED-X (Digital Education Exhibit)  
The Potential Role of Cinematic Rendering of the Stomach in Lesion Detection and Classification: Early Observations in Clinical Practice

GI203-ED-X (Digital Education Exhibit)  
The Cecum Revisited: A Multimodality Imaging Case-based Review of Common and Uncommon Cecal Diseases

GI204-ED-X (Digital Education Exhibit)  
'Where's That Sandwich?' Evaluating Esophageal Injuries on Esophagram CT

GI205-ED-X (Digital Education Exhibit)  
Brushing Up on those Polyps: A Radiologist's Guide to Incidental Polyps

GI206-ED-X (Digital Education Exhibit)  
How Do Metal Artifacts in the Pelvis Influence on CT Colonography? Utility of Ultra-High Resolution Metal Artifact Reduction Reconstruction  
GI207-ED-X (Digital Education Exhibit)  
Don't Get Washed Out: Atypical Manifestations of Hepatocellular Carcinoma

GI208-ED-X (Digital Education Exhibit)  
Hyperintense Nodules on Hepatobiliary Phase Gadoteric Acid-Enhanced MR Images

GI209-ED-X (Digital Education Exhibit)  
Make No Mistake: Multimodality Imaging of Splenosis Mimicking Other Pathologies

GI211-ED-X (Digital Education Exhibit)  
Artificial Intelligence for Early Detection of Pancreatic Cancer: Preliminary Observations and Challenges

GI212-ED-X (Digital Education Exhibit)  
A Multidisciplinary Approach for Program Development with Artificial Intelligence in Pancreatic Cancer: How We Fit In

GI213-ED-X (Digital Education Exhibit)  
Uncommon Small Bowel Disorders on CT/MR Enterography

GI214-ED-X (Digital Education Exhibit)  
Imaging of Cholangiocarcinoma: Its Risk Factors and Mimics

GI215-ED-X (Digital Education Exhibit)  
Pictorial Review of Dynamic Contrast-Enhanced CT Colonography and Monoenergetic Imaging of Colon Cancers Using TwinBeam Dual Energy-CT

GI216-ED-X (Digital Education Exhibit)  
Utility of MRI and MRCP in Imaging of Post-Operative Pancreas

GI217-ED-X (Digital Education Exhibit)  
Transjugular Intrahepatic Portosystemic Shunt: Indications, Evaluation, and Complications with Multimodality Correlation

GI218-ED-X (Digital Education Exhibit)  
Inguinal Hernias: A Review of Anatomy and Interesting Cases

GI219-ED-X (Digital Education Exhibit)  
Internal Hernias: Using Anatomic Landmarks to Make the Diagnosis

GI220-ED-X (Digital Education Exhibit)  
Complications of Inflammatory Bowel Disease: Be Aware to Look Beyond the Intestine

GI221-ED-X (Digital Education Exhibit)  
Perivascular Epithelioid Cell Tumors (PEComas) of the Abdomen: Imaging Features and Clinicopathologic Correlates

GI222-ED-X (Digital Education Exhibit)  
Radiology After Hours: CT Diagnosis of Acute Colonic Pathologies

GI223-ED-X (Digital Education Exhibit)  
A Practical Guide of Locoregional Treatment for Patients with Hepatocellular Carcinoma

GI224-ED-X (Digital Education Exhibit)  
In Another Vein: Imaging of Abdominopelvic Venous Vascular Invasion Beyond HCC and RCC

GI225-ED-X (Digital Education Exhibit)  
Pancreatic Ductal Adenocarcinoma and Its Variants: Pearls and Perils from the Radiologic Pathology Archives

GI226-ED-X (Digital Education Exhibit)  
Artificial Intelligence (AI) for CT Colonography: The New Horizons of Colorectal Screening

GI227-ED-X (Digital Education Exhibit)

How to Predict the Intra-Abdominal Adhesion by CT Colonography

GI228-ED-X (Digital Education Exhibit)

Ano-Rectal Tumors: Radiologist to the Rescue

GI229-ED-X (Digital Education Exhibit)

Vascular Complications of Pancreatitis: The Common, the Obscure, and the Deadly

GI230-ED-X (Digital Education Exhibit)

Small in Stature But Big In Show: Imaging Appearances of the Most Commonly Encountered Gallbladder Conditions

GI231-ED-X (Digital Education Exhibit)

Track the Vessel to Crack the Case: A Quiz-based Review of Challenging Vascular Diagnoses in the Abdomen and Pelvis for Trainees

GI232-ED-X (Digital Education Exhibit)

Ins and Outs of Budd-Chiari Syndrome (BCS): A Pictorial Review of Vascular Derangements in BCS

GI233-ED-X (Digital Education Exhibit)

A Trip Through the Intestine: A Review of Small Bowel Follow Through

GI234-ED-X (Digital Education Exhibit)

Spectrum of Magnetic Resonance Imaging in Complicated Choledochal Cysts

GI235-ED-X (Digital Education Exhibit)

An In-Depth Review of MRI Features of Treated Hepatocellular Carcinoma (HCC) Following Stereotactic Body Radiation Therapy (SBRT), Transarterial Chemoembolization (TACE), and Selective Internal Radiation Therapy (SIRT) with Yttrium-90

GI236-ED-X (Digital Education Exhibit)

Low Energy Electromagnetic Fields with Amplitude Modulation: Systemic Antitumoral Effects in Advanced Hepatocellular Carcinoma (HCC)

GI237-ED-X (Digital Education Exhibit)

Radiology After Hours: CT Diagnosis of Acute Small Bowel Pathologies

GI238-ED-X (Digital Education Exhibit)

MR Images Findings of Anal Carcinoma

GI239-ED-X (Digital Education Exhibit)

Imaging of Pancreatic Neuroendocrine Neoplasms: What Radiologists Should Know

GI240-ED-X (Digital Education Exhibit)

A Hard-to-Swallow Tale: CT Imaging of Fish Bone Ingestion Complications

GI241-ED-X (Digital Education Exhibit)

Current Concepts in Angiogenesis in Solid Tumors: Pathophysiology, Targeted Therapy, and Complications with Multi-Modality Imaging Patterns

GI242-ED-X (Digital Education Exhibit)

Diseases of the Pancreas and the Biliary Tract: Close Locations and Similar Presentations

GI243-ED-X (Digital Education Exhibit)

Many Faces of Lymphoma: Abdominal Manifestations of Extranodal Lymphoma

GI244-ED-X (Digital Education Exhibit)

Role of MR Imaging in Accurate Diagnosis of Primary Peritoneal Serous Carcinoma

GI245-ED-X (Digital Education Exhibit)

Catch the Move: Esophageal Disease in Barium Swallow  
GI246-ED-X (Digital Education Exhibit)  
Challenges in Diagnosis and Management of Hemobilia

GI247-ED-X (Digital Education Exhibit)

Not So Incidental: When Intra-Abdominal Malignancies Calcify

GI248-ED-X (Digital Education Exhibit)

Hydrotomography for Local Assessment of Esophageal Cancer

GI249-ED-X (Digital Education Exhibit)

Beyond Rectal Cancer: Spectrum of Imaging Features for Perirectal Tumors and Tumor-Like Masses with Pathologic Correlation

GI250-ED-X (Digital Education Exhibit)

Rectal and Perirectal Conditions: To Rectal Adenocarcinoma... and Beyond!

GI251-ED-X (Digital Education Exhibit)

MRI Enterography: Revisiting a Potential, Novel, Radiation Free Technique to Image Bowel Pathologies - Highlights and Tricks to Make the Technique Patient and Radiologist Friendly

GI252-ED-X (Digital Education Exhibit)

Ultrasonographic Atlas of Splenic Lesions

GI253-ED-X (Digital Education Exhibit)

Practical Approaches and Updated Topics in Gadoxetate-Enhanced MR Imaging of the Liver: What the Radiologists Should Know

GI254-ED-X (Digital Education Exhibit)  
Computed Tomography Opportunistic Use: What are We Missing?

GI255-ED-X (Digital Education Exhibit)  
Benign Esophageal and Gastric Tumors: The Role of the Radiologist

GI256-ED-X (Digital Education Exhibit)  
Clinical Application of Noninvasive Functional Imaging Using Non-Contrast Enhanced MR Imaging with a Spatially Selective Inversion Recovery Pulse

GI257-ED-X (Digital Education Exhibit)  
What Could Go Wrong? Pitfalls and Practical Tips in Assessing the Post-Operative Pancreas Transplant

GI258-ED-X (Digital Education Exhibit)  
Systemic Treatment Strategy in Management of Hepatocellular Carcinoma: Implications for Radiologist

GI259-ED-X (Digital Education Exhibit)  
Primary Retroperitoneal Masses with Radiologic-Pathologic Correlation: What Radiologists Should Know

GI260-ED-X (Digital Education Exhibit)  
Portal Vein Potpourri: From Thrombosis to Therapy

GI261-ED-X (Digital Education Exhibit)  
Gaining the Upper Hand on Upper Abdominal Imaging: Using Ultrasound to Assess the Gastrointestinal Tract for Causes of Abdominal Pain

GI262-ED-X (Digital Education Exhibit)  
Towards a More Cost-Effective Screening: Risk-Stratified Strategies for HCC Surveillance Using Liver MRI

GI263-ED-X (Digital Education Exhibit)  
Always Include Lymphoma in the Differential: Abdominopelvic Manifestations of the Great Imitator

GI264-ED-X (Digital Education Exhibit)  
When Unresectable Becomes Resectable: New Era in Pancreatic Carcinoma Treatment?

GI265-ED-X (Digital Education Exhibit)  
Autoimmune Pancreatitis: Review of Imaging Findings and Subtypes and Differentiation from Pancreatic Neoplasms

GI266-ED-X (Digital Education Exhibit)  
Videofluoroscopic Swallowing Studies: Radiologists' Tool to Fight Dysphagia

GI267-ED-X (Digital Education Exhibit)  
Following Laparoscopic Sleeve Gastrectomy: Radiological Evaluation, Normal Anatomy and Postoperative Complications

GI268-ED-X (Digital Education Exhibit)  
Pancreatic Zebras (A Collection): A Review of the Imaging Characteristics of Unusual Pancreatic Masses of Pancreatic and Extrapancreatic Origin with Radio-Pathological Correlation-When You Hear Hoofbeats, Think of Zebras Too!

GI269-ED-X (Digital Education Exhibit)  
AI for Electronic Cleansing in Non-Cathartic CT Colonography  
GI270-ED-X (Digital Education Exhibit)  
New Techniques for Abbreviated Protocols and Improved Patient Comfort in Gastrointestinal MRI

GI271-ED-X (Digital Education Exhibit)  
Single and Double-Contrast Barium Enema in Modern Radiology: Do They Have a Role?

GI272-ED-SUA9 (Sun, 12:30-1:00 PM, Station #9)  
Imaging Chemotherapy-Induced Liver Toxicity: What Every Radiologist Should Know

GI273-ED-SUA10 (Sun, 12:30-1:00 PM, Station #10)  
Cross-Sectional Imaging of Malabsorption Syndromes: A Primer for the Contemporary Radiologist

GI274-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
Weighing In: Fluoroscopy of Anatomy and Complications After Weight Loss Surgery

GI275-ED-SUA11 (Sun, 12:30-1:00 PM, Station #11)  
MR Imaging of Anal Canal: A Primer for Radiologists

GI276-ED-SUA12 (Sun, 12:30-1:00 PM, Station #12)  
Intestinal Failure and Small Bowel Transplantation: Spectrum of Imaging Features and Complications

GI277-ED-SUB10 (Sun, 1:00-1:30 PM, Station #10)  
Between the Duodenum and the Pancreas - What do We Know about Groove Pancreatitis?

GI278-ED-SUB11 (Sun, 1:00-1:30 PM, Station #11)  
Pelvic Nodal Anatomy and Patterns of Nodal Spread in Rectal Cancer

GI279-ED-SUB12 (Sun, 1:00-1:30 PM, Station #12)  
Pancreas in Hereditary Syndromes: Cross-Sectional Imaging Spectrum

GI280-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Multimodality Imaging of the Transplant Liver: A Primer

GI281-ED-SUB8 (Sun, 1:00-1:30 PM, Station #8)  
Where's The Leak? Radiographic Evaluation of Common Gastrointestinal Post-Operative Procedures

GI282-ED-SUB9 (Sun, 1:00-1:30 PM, Station #9)  
MR Cholangiopancreatography: What Every Radiology Resident Must Know

GI283-ED-MOA13 (Mon, 12:15-12:45 PM, Station #13)  
Learning to Ride the Wave: An Interactive Review of the Pitfalls in MR Elastography

GI284-ED-MOA14 (Mon, 12:15-12:45 PM, Station #14)  
MR Staging of Rectal Carcinoma: A Case-Based Approach

GI285-ED-MOA15 (Mon, 12:15-12:45 PM, Station #15)  
MRI of Abdominal and Pelvic Tumors in Pregnancy

GI286-ED-MOA16 (Mon, 12:15-12:45 PM, Station #16)  
Let's Get to the Bottom of This: Updated Review of MRI Defecography in Males and Females

GI287-ED-X (Digital Education Exhibit)  
A Pictorial Roadmap of Abdominal Toxicity Induced by Classic Chemotherapeutic Agents and Targeted Therapies: A Challenge for the Oncologist Radiologist

GI288-ED-MOA12 (Mon, 12:15-12:45 PM, Station #12)  
Nodal Staging of Gastric Cancer: Pictorial Illustration

GI289-ED-MOB13 (Mon, 12:45-1:15 PM, Station #13)  
Guidelines for the Imaging of Patients with Clinically Suspected Chronic Pancreatitis or Patients at Risk of Chronic Pancreatitis

GI290-ED-MOB15 (Mon, 12:45-1:15 PM, Station #15)  
Peritoneal Metastasis, Cytoreductive Surgery (CRS), and Hyperthermic Intraperitoneal Chemotherapy (HIPEC): What the Radiologist Should Know

GI291-ED-MOB12 (Mon, 12:45-1:15 PM, Station #12)  
You Are at the Crossroads: Where Will You Go Next? - A Comprehensive Review of Currently Available Guidelines for Diagnosis and Management of Pancreatic Cystic Lesions

GI292-ED-MOB14 (Mon, 12:45-1:15 PM, Station #14)  
CEUS for Vascular Assessment of the Immediate Posttransplant Liver: When Doppler Fails

GI293-ED-MOB16 (Mon, 12:45-1:15 PM, Station #16)  
Knowing and Recognizing the Complications of the Bile Duct After Liver Transplant: Normal Anatomy, Variants, and Complications

GI294-ED-MOB11 (Mon, 12:45-1:15 PM, Station #11)  
The ABC of Birt-Hogg-Dube: A Brief Overview

GI295-ED-TUA12 (Tue, 12:15-12:45 PM, Station #12)  
Imaging in the Evaluation of Potential Living Donor for Liver Transplantation

GI296-ED-TUA13 (Tue, 12:15-12:45 PM, Station #13)  
Morison's Pouch: Anatomical Background, Pathologies, and Spread of Disease on Cross Sectional Imaging

GI297-ED-TUA11 (Tue, 12:15-12:45 PM, Station #11)  
MRI Evaluation of Pathological Complete Response of Locally Advanced Rectal Cancer after Neoadjuvant Chemoradiation Therapy: Can We Wait and What Will We Watch?

GI298-ED-TUA15 (Tue, 12:15-12:45 PM, Station #15)  
Abdominal Complications After Lung Transplantation

GI299-ED-X (Digital Education Exhibit)  
Transient and Benign Findings in Postoperative Liver Transplant Ultrasound: What Every Radiologist Should Know

GI300-ED-TUA14 (Tue, 12:15-12:45 PM, Station #14)  
Single-Energy CT Subtraction and Iodine Enhancement Map: Protocol and Abdominal Applications

GI301-ED-TUB13 (Tue, 12:45-1:15 PM, Station #13)  
Achalasia: A Primer for Radiologists

GI302-ED-TUB14 (Tue, 12:45-1:15 PM, Station #14)  
The New 2017 World Health Organization (WHO) Classification of Pancreatic Neuroendocrine Tumors: A Primer for Radiologists

GI303-ED-TUB10 (Tue, 12:45-1:15 PM, Station #10)  
A Diagnosis Difficult To Swallow: Dysphagia Revisited

GI304-ED-TUB11 (Tue, 12:45-1:15 PM, Station #11)  
Right Lower-Quadrant Ultrasound Techniques, Tricks, and Pitfalls for Tenderness to Palpation

GI305-ED-TUB12 (Tue, 12:45-1:15 PM, Station #12)  
Dual Energy CT Applications in Pancreatic Pathologies

GI306-ED-TUB15 (Tue, 12:45-1:15 PM, Station #15)  
Clinical Impact of State-of-the-Art CT Technology in Abdominal CT: Ultra-High Resolution CT (UHRCT) and Low-Voltage CT

GI307-ED-WEA14 (Wed, 12:15-12:45 PM, Station #14)  
Spectrum of Rectus Abdominis Masses: What, When, and Why

GI308-ED-WEA15 (Wed, 12:15-12:45 PM, Station #15)  
Pancreatic Transplantation: A Multimodality Pictorial Review

GI309-ED-WEA12 (Wed, 12:15-12:45 PM, Station #12)  
Intestinal Ostomies: What Radiologists Need to Know

GI310-ED-WEA13 (Wed, 12:15-12:45 PM, Station #13)  
Cinematic Rendering in Abdominopelvic Pathologies: How This Novel Tool Can Help

GI311-ED-SUB13 (Sun, 1:00-1:30 PM, Station #13)  
Bariatric Surgery Reduced to Simple Terms

GI312-ED-WEA16 (Wed, 12:15-12:45 PM, Station #16)  
Extranodal Extension Grading Atlas to Decide the Multimodal Treatment Strategy for Esophageal Squamous Cell Carcinoma

GI313-ED-WEB15 (Wed, 12:45-1:15 PM, Station #15)  
How to Navigate Out of Complex Fistulas on Pelvic MRI

GI314-ED-WEB13 (Wed, 12:45-1:15 PM, Station #13)  
Retroperitoneal Masses: A Pattern-Based Approach

GI315-ED-X (Digital Education Exhibit)  
Radiation Dose Reduction in CT Colonography: Basic Concepts and Modern Technologies

GI316-ED-WEB11 (Wed, 12:45-1:15 PM, Station #11)  
Spectral Detector CT Applications in Advanced Liver Imaging

GI317-ED-WEB12 (Wed, 12:45-1:15 PM, Station #12)  
Pancreatic Injury: Multimodality Imaging and Updated Review of Management

GI318-ED-WEB14 (Wed, 12:45-1:15 PM, Station #14)  
Oncological Applications of Diffusion Kurtosis in the Gastrointestinal System: How, When and Why

GI319-ED-THA8 (Thu, 12:15-12:45 PM, Station #8)  
From Incidental to Intentional: A Review of Appropriately Managing Imaging Incidentalomas

GI320-ED-THA9 (Thu, 12:15-12:45 PM, Station #9)  
Cholangiocarcinoma in 2019: Current Update in Pathology, Classification, and Imaging Findings

GI321-ED-THA10 (Thu, 12:15-12:45 PM, Station #10)  
Associating Liver Partition and Portal Vein Ligation for Staged Hepatectomy in Hepatocellular Carcinoma Treatment: What Radiologists Need to Know

GI322-ED-THA11 (Thu, 12:15-12:45 PM, Station #11)  
Texture Analysis in Abdominal Imaging: From Basic Concepts to Applications

GI323-ED-THA12 (Thu, 12:15-12:45 PM, Station #12)  
Step by Step: A Guide to Barium Swallow for the Study of Anatomy and Function of the Gastroesophageal Junction

GI324-ED-THA13 (Thu, 12:15-12:45 PM, Station #13)  
Defecography: Assessment of Different Imaging Methods a Review

GI325-ED-THB9 (Thu, 12:45-1:15 PM, Station #9)  
Navigating the Canal: Inguinal Canal Pathology and Common Mimics

GI326-ED-THB10 (Thu, 12:45-1:15 PM, Station #10)  
Dual-Energy CT of Acute Bowel Ischemia

GI327-ED-THB11 (Thu, 12:45-1:15 PM, Station #11)  
The Role of Hepatobiliary Agents and Different Imaging Modality in the Classification of Bile Duct Injuries

GI328-ED-THB12 (Thu, 12:45-1:15 PM, Station #12)  
Imaging of Extrahepatic Biliary Obstruction: Causes, Clinical Aspects, and Imaging Features

GI329-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
Open Your Eyes! Similar but Not Equal: A Radiologic-Pathologic Correlation of the Pancreatic Cystic Neoplasms

GI330-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Quantitative Measurement of Hepatic Fibrosis on Gadoteric Acid-Enhanced Magnetic Resonance Imaging in Patients with Chronic Liver Disease: Multicenter Study

GI331-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Quantitative System for Assessment of Imaging Features in Chronic Pancreatitis: A Feasibility and Validation Study

GI332-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Predictive Performance of Ultrasound-Determined Non-Alcoholic Fatty Pancreas Disease Severity for Intermediate and High Coronary Heart Disease Risk

GI333-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Feasibility of Dose Modulation for Reducing Radiation Dose with Arms-Down Patient Position in Abdominopelvic Computed Tomography

GI334-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Non-Invasive MR Assessment of the Microstructure and Microcirculation in Regional Lymph Nodes for Rectal Cancer: A Study of Intravoxel Incoherent Motion Imaging

GI335-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Hepatocellular Carcinoma Screening Patterns with Imaging: Experience Form a Tertiary Care Transplant Center

GI336-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Deep Learning Reconstruction Can Improve Image Quality and Subjective Acceptance in Low Radiation Dose Abdominal CT: Comparison with Iterative Reconstruction Algorithm

GI337-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Automated Quantification of Hepatic Steatosis Using Deep Learning in Penn Medicine BioBank Patients

GI338-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
The Role of Sarcopenia in Patients with Intrahepatic Cholangiocarcinoma Undergoing TACE and SIRT

GI339-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
MDCT Features for Diagnosis of Single Adhesive Band versus Matted Adhesions in Small Bowel Obstruction

GI340-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
CT Findings with High Specificity and Sensitivity for Closed Loop Small Bowel Obstruction

GI341-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Radiographic Follow-Up of Pancreatic Cystic Lesions: Are Follow-Up Recommendations Excessive?

GI342-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Predictive and Prognostic Value of CT-Based Radiomics Model for Lymph Node Metastasis in Esophageal Squamous Cell Cancer

GI343-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Comparison and Correlation of Attenuation Values on Virtual and True Non-Contrast images Obtained by Triphasic Dynamic Series with Third-Generation Dual-Source Dual-Energy CT

GI344-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Predicting Early Tumor Recurrence Prior to Surgery Compared With After Surgery for Patients With Single HCC

GI345-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Diffusion-Weighted MRI of Surgically Treated Gastrointestinal Stromal Tumor: Associations with Survival and Cell Proliferation Activity

GI346-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Spectral CT of Pancreas: Added Value of Virtual Monoenergetic Imaging in the Patients with Pancreatic Ductal Adenocarcinoma

GI347-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Extracellular Contrast-Enhanced MRI with Diffusion-Weighted Imaging for HCC Diagnosis: Prospective Comparison with Gadoteric Acid

GI348-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Radiomic Analysis of Contrast-Enhanced CT Predicts Microvascular Invasion and Outcome in Hepatocellular Carcinoma

GI349-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Hepatocellular Carcinoma with Hilar Bile Duct Tumor Thrombus Versus Hilar Cholangiocarcinoma on Enhanced Computed Tomography: A Diagnostic Challenge

GI350-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Iodine Map Imaging Using Dual-Energy CT has Ability to Evaluate the Severity of Liver Fibrosis

GI351-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Prediction of Pancreatic Atrophy after Steroid Therapy in Autoimmune Pancreatitis Using Extracellular Volume Fraction in Contrast-Enhanced Computed Tomography

GI352-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Multiparametric Assessment of Microvascular Invasion in Hepatocellular Carcinoma Using Gadoteric Acid-Enhanced MRI

GI353-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Metabolic Alterations Associated with Development of Hepatocellular Carcinoma in Patients with Hepatitis-Induced Liver Cirrhosis: Effect of Aging and Enzymatic Activity

GI354-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Performance of Gadoteric-Acid MRI and Diffusion-Weighted Imaging for the Diagnosis of Early Recurrence of Hepatocellular Carcinoma

GI355-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Clinical Benefit of Portography on the Spectral CT with Fast kVp-Switching Single-Source Dual-Energy CT Scanning: Comparison with Conventional Helical Scan on the Different Volume of Contrast Medium Injection Protocol

GI356-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Hepatocellular Carcinoma Grading and Recurrence Prediction using T1 Mapping on Gd-EOB-DTPA-Enhanced MR Imaging

GI357-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Liver Imaging Reporting and Data System: Comparison in Diagnostic Performance between Computed Tomography and Gadoteric Acid-Enhanced Magnetic Resonance Imaging

GI358-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Deep Learning Assisted MRI Prediction of Tumor Response to Chemotherapy for Patients with Colorectal Liver Metastases

GI359-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Value of MRI as A Screening Tool for Hepatocellular Carcinoma in a High-Risk Population

GI360-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Cirrhosis-Like HCC - A New Subtype of HCC? A Clinical, Pathologic, And Radiologic Correlation

GI361-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Robotic-Arm Assisted Tele-Sonography: Initial Clinical Results and Feasibility

GI362-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Measurement of Circumferential Tumor Extent of Colorectal Cancer on CT Colonography: Relation to Clinicopathological Features and Patient Prognosis

GI363-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Magnetic Resonance Diffusion Kurtosis Imaging in Early Diagnosis of Non-Alcoholic Steatohepatitis: A Preliminary Study in a Rabbit Model

GI364-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Reproducibility of Radiomic Features Across Different Dose Strengths and Reconstructions for Diagnosis of Active Terminal Ileal Crohn's Disease on CT Enterography

GI365-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Value of Diffusion Weighted Imaging and Circulating Tumor Cells on Predicting the Short-Term Efficacy of Chemoradiotherapy in Esophageal Squamous Cell Carcinoma Patients

GI366-SD-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Imaging Predictors of Pancreatic Adenocarcinoma Patient Survival After Resection

GI367-SD-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
Non-Contrast MRI as a Sequential Imaging for Characterizing CT-Detected Arterial Enhancing-Only Nodules in Patients at Risk for HCC

GI368-SD-MOA9 (Mon, 12:15-12:45 PM, Station #9)  
Evaluation of Treatment Response in Phase IB of the Study of Patients with Advanced Melanoma Treated by CMP-001 in Combination with Pembrolizumab: Relationship with Pre-Treatment Tumor Burden (TB) Using Volumetric Computed Tomography (CT) Biomarkers

GI369-SD-MOA10 (Mon, 12:15-12:45 PM, Station #10)  
Mucinous Cystic Neoplasms of the Liver versus Simple Biliary Cysts: CT/MR Features and Inter-Reader Agreement

GI370-SD-MOA11 (Mon, 12:15-12:45 PM, Station #11)  
Joint Segmentation and Classification of Hepatic Lesions in Ultrasound Images Using Deep Learning  
GI371-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)

Preoperative MR Enterography in Predicting Early Anastomotic Recurrence after Primary Intestinal Resection in Crohn's Disease

GI372-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Computed Tomography (CT) Determined Pancreatic Volume and Steatosis as a Discriminant Marker for Diagnosis of Type II Diabetics versus Non-Diabetic Controls

GI373-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Structured Reporting of CT or MRI for Perihilar Cholangiocarcinoma: Usefulness for Clinical Planning and Interdisciplinary Communication

GI374-SD-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Deep Learning-Assisted Diagnosis of Atypical Hepatocellular Carcinoma (HCC) on Contrast-Enhanced MR Imaging: Differentiating Pathologically Proven HCC from Non-HCC Liver Lesions

GI375-SD-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
CT Radiomics Features Enhance Preoperative Survival Prediction in Patients with Pancreatic Ductal Adenocarcinoma

GI376-SD-MOB9 (Mon, 12:45-1:15 PM, Station #9)  
CT Texture Analysis May Predict Therapeutic Response of HCCs to Transcatheter Arterial Chemoembolization

GI377-SD-MOB10 (Mon, 12:45-1:15 PM, Station #10)  
Liver, Spleen Stiffness Measurements, and Their Derivatives as Noninvasive Predictors of Esophageal and High-Risk Esophageal Varices using 2D-Shear Wave Elastography in B-Viral Cirrhotic Patients

GI378-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
CT-Derived Radiogenomic Signatures Predicting BRAF/ KRAS Mutations and Overall Survival in Primary Colorectal Carcinoma Patients

GI379-SD-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Radiomics and Enhancement Ratio in Colorectal Cancer (CRC) Liver Metastases: Determination of Mutational Status

GI380-SD-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
The Diagnostic Performance of LI-RADS Version 2018 and Modified LI-RADS Major Features in the Diagnosis of 10-19 mm HCC Using Extracellular Contrast-Enhanced MRI

GI381-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Assessment of Aggressiveness of Rectal Cancer Using Quantitative Parameters Derived from Dual-Energy Spectral Computed Tomography

GI382-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Radiogenomics of Colorectal Adenocarcinoma: Quantitative and Quantitative Analysis of the Hepatic Metastases on CT for Prediction of KRAS Mutation -Preliminary Results

GI383-SD-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Clinical Significance of the Differences between the CT/MRI LI-RADS 5 and the OPTN Class 5 Classifications for Small 10-19mm Hepatic Nodules with Non-Rim Arterial Phase Hyper-Enhancement (APHE)

GI384-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Differentiation of Pancreatic Mucinous Cystic Neoplasm from Macrocytic Serous Cystic Adenoma: Feasibility of Radiomic Analysis and Comparison of Diagnostic Performance between Radiomic Model and Radiologists

GI385-SD-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Diagnostic Performance of Quantitative Ultrasound Parameters for Detection and Classification of Hepatic Steatosis in Nonalcoholic Fatty Liver Disease

GI386-SD-THA7 (Thu, 12:15-12:45 PM, Station #7)  
The Evaluation of Low-Dose Contrast Media Protocol by Using New Saline Chaser Administered via Spiral Flow Injection Tube on a Single-Source Dual-Energy CT

GI387-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Reduction of Motion Artifact and Improvement of Lesion Visibility of the Left Lobe in the Liver: Usefulness of Velocity-Compensated Diffusion-Weighted MRI

GI388-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Contrast Enhanced Ultrasound (CEUS) for Detection of Immediate Post-Operative Vascular Patency of Pancreas Transplant: Comparison with Doppler Imaging

GI389-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
MRI versus CT for the Detection of Liver Metastases in Patients with Pancreatic Carcinoma: A Comparative Diagnostic Test Accuracy Systematic Review and Meta-Analysis

GI390-SD-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Differences on H-MR Spectroscopy-Based Hepatic Metabolite Concentrations Between Hepatocellular Lesions, Benign Cirrhotic Lesions and Patients without Hepatic Disease: A Pilot Study

GI391-SD-THB7 (Thu, 12:45-1:15 PM, Station #7)  
Optimization of Contrast Medium for Abdominal CT in Oncologic Patient: A Prospective Comparison Between Fixed and Lean Body Weight-Adapted Injection Protocols

GI392-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Does the Change in Volumetric Functional MR Metrics Post-TACE Predict Histopathologic Grading of Hepatocellular Carcinoma?

GI393-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Magnetic Resonance Imaging as a Non-Invasive Method for the Assessment of Pancreatic Fibrosis (MINIMAP): A Comprehensive Study Design from the Consortium for the Study of Chronic Pancreatitis, Diabetes, and Pancreatic Cancer

GI394-SD-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Influence of Sequence Selection of MR Enterography Diagnostic Accuracy

GI395-SD-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
Prediction of Liver Fibrosis using T1 $\rho$  and T2 Relaxations

GI396-SD-TUA9 (Tue, 12:15-12:45 PM, Station #9)  
Comparison between ROI-Based and Volumetric Measurements of Liver Fibrosis Using MR Elastography in Quantifying Heterogeneity of Liver Stiffness

GI397-SD-TUA10 (Tue, 12:15-12:45 PM, Station #10)  
Pilot Study to Assess Feasibility of Fast Whole-Body MRI Imaging in Oncologic Screening

GI398-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Macro Regenerative Nodules in PSC Disease: MRI Features

GI399-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Impaired Glucose Tolerance: Relationship with Pancreatic Fibrosis Using T1 Mapping and Pancreatic Exocrine Function Estimated by Cine-Dynamic MRCP Using a Spatially Selective Inversion-Recovery Pulse

GI400-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Can Single-Section, Machine Learning-Based Radiomics Differentiate Normal Liver from Diffuse Liver Diseases?

GI401-SD-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Feasibility of a Non-Invasive Short MRI Surveillance (SMS) Protocol as a Screening Tool for Hepatocellular Carcinoma (HCC) in High-Risk Patients



GI402-SD-TUB8 (Tue, 12:45-1:15 PM, Station #8)  
Prediction of Disease-Free Survival in Colorectal Cancer Patients with Liver Metastasis Using Radiomics Features

GI403-SD-TUB9 (Tue, 12:45-1:15 PM, Station #9)  
Non-Invasive Liver Iron Overload Measurements by MRI: Comparison of Two Validated Protocols

GI404-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
CT in Differentiating Complicated from Uncomplicated Appendicitis: Any-of-10 CT Features versus Radiologists' Gestalt Assessment

GI405-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Low Flow Continuous Oxygen Inhalation May Avoid the Incidence of "Transient Severe Motion" (TSM) after Administration of Gadoxetate Disodium

GI406-SD-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Utility of Half-Dose of Iodinated-Intravenous Contrast in Dual-Energy Computed Tomography: Qualitative and Quantitative Evaluation of Image Quality and Diagnostic Acceptability

GI407-SD-WEA8 (Wed, 12:15-12:45 PM, Station #8)  
Impact of Dual-Energy 50 keV Virtual Monoenergetic Images on Radiologist Detection and Diagnostic Confidence of Small Hepatocellular Carcinomas Using Multiphase Liver CT

GI408-SD-WEA9 (Wed, 12:15-12:45 PM, Station# 9)  
Multiparametric MRI Screening in Hereditary Pancreatic Cancer: Value of A Magnetization-Prepared Gradient Echo Sequence

GI409-SD-WEB10 (Wed, 12:45-1:15 PM, Station #10)  
CT and MRI of Diffuse Liver Disease: Roadmap to an AI-Based Algorithm for Multiparametric Categorization of Parenchymal Disease Differentiating Steatosis, Steatohepatitis, and Cirrhosis from Normal Parenchyma

GI410-SD-WEA11 (Wed, 12:15-12:45 PM, Station #11)  
Diagnostic Value of CT Lymphangiography (CTL) in Primary Intestinal Lymphangiectasia (PIL)

GI411-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Severity Assessment of Acute Pancreatitis by Iodine Mapping with Dual-Energy Computed Tomography

GI412-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Differentiating New Hepatic Metastases from Focal Hepatopathy in Patients During Treatment for Malignancy

GI413-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
CT Radiomics to Predict Chemotherapy Tumor Response in Metastatic Colorectal Cancer

GI414-SD-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Readers' Preferences and Objective Analysis of DECT in Acute Appendicitis

GI415-SD-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
Evaluation of Small Equivocal Cystic Lesions of the Pancreas Using Contrast-Enhanced Spectral-Detector CT: Single Institution Study in 25 Lesions

GI416-SD-WEB9 (Wed, 12:45-1:15 PM, Station #9)  
Comparative Quantification of Liver Iron Concentration at 1.5T and 3T: Standardization Proposal

GI417-SD-WEA10 (Wed, 12:15-12:45 PM, Station #10)  
Assessment of Liver Surface Nodularity, Sarcopenia, and Visceral Obesity as Predictors of Cardiometabolic Risk Factors in African Americans

# Genitourinary

GU200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
A CT-Based Radiomics Approach to Preoperatively Differentiation between Borderline and Malignant Ovarian Cancer

GU201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Clinical Usefulness of Thin-slice T2-Weighted Imaging Using a 3T MR Scanner with Deep Learning Reconstruction for VI-RADS Evaluation of Bladder Cancer

GU202-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Utility of T2-Weighted (T2W)-MRI to Differentiate Lipid-Rich and Lipid-Poor Adrenal Adenomas from Adrenal Metastases Using Subjective and Quantitative Analysis

GU203-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Preoperative Identification of Low-Risk Endometrial Cancer Patients by Preoperative Endometrial Biopsy and MRI Compared with Intraoperative Findings Including Frozen Sections

GU204-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
The Utility of Multiparametric Magnetic Resonance Imaging at Re-Assessment to Predict Pathological Progression on Active Surveillance for Gleason Score 3+3 Prostate Cancer

GU205-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Cluster Analysis Using Gaussian Mixture Model for Apparent Diffusion Coefficient Value: A Novel Approach to Evaluate the Grades of Uterine Endometrioid Adenocarcinoma

GU206-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Intrauterine Saclike Fluid Collection in Early Pregnancy: Does it Matter if it Has an Echogenic Rim or a Sonographic "Sign"?

GU207-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Phase II Study to Evaluate Transrectal, Magnetic Resonance Image-Guided Laser Focal Therapy of Prostate Cancer in an Outpatient Setting Using Realtime MR-Thermometry: Ten Year Interim Results

GU208-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
The Development of Deep Learning Based Prostate Cancer Detection System of MRI with Automatically Stitched Histopathologic Gold Standards

GU209-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Usefulness of Macroscopic Classification in pT3a Renal Cell Carcinoma

GU210-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Contrast-Induced Nephropathy May Be Associated with HMGB1 which is Related to Sterile Inflammation

GU211-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Detection of Cervical Cancer Using Diffusion MRI with a Continuous-Time Random Walk Model

GU212-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Does an Additional Biopsy or Targeting with Contrast-Enhanced Ultrasound Positively Influence Disease Detection or Severity in the Renal Transplant?

GU213-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Multiparametric Magnetic Resonance Imaging As a Problem Solving Imaging Modality in Different Testicular Lesions

GU214-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Contrast-Enhanced MRI Findings in Adnexal Torsion: A Case-Control Study Based on Qualitative and Quantitative Evaluation

GU215-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Machine Learning-Based MRI Radiomics Signature for Preoperative Prediction of ISUP Nuclear Grade in Clear Cell Renal Cell Carcinoma

GU216-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Diagnostic Value of DCE-MR Imaging for Differentiating Malignant Adnexal Masses Compared with Contrast Enhanced T1-W1 with DWI

GU217-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Diagnostic Efficiency of Intravoxel Incoherent Motion Diffusion-Weighted Imaging (IVIM-DWI) in Staging of Diabetic Nephropathy

GU218-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Evaluating New England Journal of Medicine Minor Diagnostic Criteria for Diagnosing Early Trimester Pregnancy Failure: A Single Institution Experience

GU219-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Quantitation of Bladder Cancer for Prediction of Muscle-invasion in Comparison with VI-RADS Categorization

GU220-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Menstrual Status on the Influence of Apparent Diffusion Coefficient in the Patients with Different Pathological Types: A Primary Study

GU221-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Assessment of Diagnostic Performance of Two Pelvic Organ Prolapse Grading Systems in MR Defecography

GU222-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Dynamic MRI in Assessment of Female Urinary Incontinence

GU223-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Magnetic Resonance Imaging of Endometrial Stromal Nodule

GU224-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Cloverleaf-Sign: A New MRI Sign Predicting Significantly Longer Operation Time and Higher Bowel Resection Rate in Deep Infiltrating Endometriosis

GU225-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Contrast-enhanced Ultrasound in the Diagnosis of Gynecological Malignancies, Differentiating Benign from Malignant and in Evaluation of Uncertain Pelvic Masses

GU226-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Geometrical Distortion on Diffusion-weighted Imaging of Prostate: Comparison of Single-shot Echo-planar and Readout Segmentation of Long Variable Echo Train Techniques

GU227-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Study of 3D Unenhanced MR Lymphography and Unipedal Direct Lymphangiography plus CT in Patients With Chyluria

GU228-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Unenhanced Computed Tomography (CT) Findings as Predictors of Success of Conservative Management of Emphysematous Pyelonephritis (EPN)

GU229-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Uronephropathy in Erdheim-Chester Disease (ECD)

GU230-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
A Predictive Nomogram for Individualized recurrence Stratification of Bladder Cancer Using Multiparametric MRI and Clinical Risk Factors

GU231-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Quantitative Assessment of Diffusion Kurtosis Imaging Depicting Deep Myometrial Invasion: A Comparative Analysis with Diffusion-Weighted Imaging

GU232-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
How 3 Tesla In-Bore MR-Guided Biopsy Improves Detection of Prostate Cancer: A Study on 426 Patients

GU233-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Radiomics Features on Diffusion-Weighted Imaging for Differentiating Muscle-Invasive Bladder Cancer from Non-Muscle-Invasive Bladder Cancer

GU234-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
How Often Do Non-Index Target PI-RADSV2 Lesions Yield Higher Grade Clinically Significant Prostate Cancer than the Index PI-RADSV2 Lesion?

GU235-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Comparative Role of Retro Grade Urethrography (RGU) and Sonourethrography (SUG) in Anterior Urethral Strictures

GU236-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
The Arrowhead Sign (AS) a Novel, Reproducible Radiographic Indicator of Intramuscular Venous Branch Invasion (pT3a) in Patients with Renal Cell Carcinoma

GU238-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Renal Carcinoma with Inferior Vena Cava Tumor Thrombus: Predictive Model of Resection using Multimodal Imaging

GU239-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Role of Sonosalpinogography in Female Subfertility: Diagnostic or Therapeutic Tool?

GU240-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
A Retrospective Evaluation of the Impact of Fetal MR Imaging on Prognosis and Referral Patterns for Intrauterine Fetal Anomalies

GU241-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Predicting CD8+ T Cell infiltration in Renal Cell Carcinoma Using CT Radiomic Signatures

GU242-SD-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Laser Lithotripsy for Ureteral Calculus: Can CT Three-Dimensional Texture Analysis Technique Help Predict the Therapeutic Effects?: An Article Accorded with the STARD

GU243-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Role of CT Texture Analysis in Predicting Genomic Mutation in Clear Cell Carcinoma of the Kidney

GU244-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
IntraVoxel Incoherent Motion Imaging Detect Placental Microvascular Impairment in Fetal Growth Restriction: A Prenatal MR Study

GU245-SD-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Size of Kidney Stones in Computed Tomography: Influence of Acquisition and Image Reconstruction Parameters

GU246-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Value of Non-Enhanced Single Source Dual-Energy CT in Differentiating Borderline from Malignant Epithelial Ovarian Tumors

GU247-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Validation of the Use of Region of Interest (ROI) Measurements for Objective Assessment of Post-contrast Enhancement of Renal Lesions on Magnetic Resonance Imaging (MRI)

GU248-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Development and Validation of a Radiomics Nomogram for Preoperative Prediction of Extracapsular Extension in Prostate Cancer

GU249-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
A Radiomic Nomogram Based on Arterial Phase of CT for Differential Diagnosis of Ovarian Cancer and Ovarian Metastases

GU250-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Machine Learning Applied to Radiomic Data to Predict Prostate Cancer Aggressiveness: A Pilot Study

GU251-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Nutcracker Syndrome: Diagnostic Accuracy of Jetting Sign and Expansion Ratio of Left Renal Vein in Multiphase CT

GU252-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Necessity of Differentiating Small (<10 mm) and Large (>= 10mm) PI-RADS 4 Lesions

GU253-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Evaluation of Renal Allograft Injury Using MRI Texture Analysis

GU254-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
The Diagnostic Evaluation of PI-RADS V2 based on Simplified Biparametric MRI for Prostate Cancer

GU255-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Use of 3D Arterial Spin Labeling to Evaluate Renal Perfusion in Patients with Chronic Kidney Disease

GU256-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Zoomed EPI versus Conventional EPI DWI in Prostate Imaging: Impact on PIRADS Scoring and Cancer Detection

GU257-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Co-Trained Convolutional Neural Networks Analysis for Assessment of the Diagnostic Accuracy of Biparametric Magnetic Resonance Imaging of the Prostate

UR001-EB-X (Hardcopy Backboard)  
Imaging Associations in Male Infertility

UR002-EB-X (Hardcopy Backboard)  
Automatic Quantitative Analysis of Kidney Tumor Using 3D Fully Convolutional Network

UR003-EB-X (Hardcopy Backboard)  
MRI and Transrectal US Findings 12 Months After MRI-guided Transurethral Ultrasound Ablation (MRI-TULSA) for Localized Prostate Cancer

UR004-EB-X (Hardcopy Backboard)  
Uncommon Urinary Bladder Tumors: Different Imaging Features for Urothelial Carcinoma

UR005-EB-X (Hardcopy Backboard)  
The Forgotten Tubes: A Review of Ureteral Pathology

UR100-ED-X (Digital Education Exhibit)  
Clinical Applications of Quantitative Diffusion-Weighted Magnetic Resonance Imaging in the Management of Prostate Cancer: What the Radiologist Needs to Know

UR101-ED-X (Digital Education Exhibit)  
Clinical Implementation of MRI-Ultrasound Fusion-Guided Prostate Biopsy in the Management of Prostate Cancer: What Radiologists Should Know

UR102-ED-X (Digital Education Exhibit)  
Goodness, Gracious, Great Balls of Fire: The Pivotal Role of Doppler in Evaluating the Acute Scrotum

UR103-ED-X (Digital Education Exhibit)  
Sizing up the Scrotum: Multimodality Approach to Scrotal Neoplasms with Pathology Correlation

UR104-ED-X (Digital Education Exhibit)  
Rendezvous with the Retroperitoneum: Radiology-Pathology Correlation of Primary Retroperitoneal Neoplasms

UR105-ED-X (Digital Education Exhibit)  
Update on Imaging the Perinephric Space: How MRI Can Add Value to Achieve a Final Diagnosis

UR106-ED-X (Digital Education Exhibit)  
Voiding Cystourethrography Imaging: Album of Essential Urethral Pathology

UR107-ED-X (Digital Education Exhibit)  
The Many Faces of Prostatic Lesions: Rare Tumors and Atypical Presentation of Adenocarcinoma

UR108-ED-X (Digital Education Exhibit)  
New Radiologic Classification of Renal Angiomyolipomas

UR109-ED-X (Digital Education Exhibit)  
When the Frame Outshines the Painting: A Quick Guide of Pelvic Bone Lesions for Body Radiologists Reporting Prostate MRI

UR110-ED-X (Digital Education Exhibit)  
New Light Towards the End of the Tunnel: Differential Diagnosis for Ureteral Structure

UR111-ED-X (Digital Education Exhibit)  
Whole-body MRI for Advanced Prostate Cancer: A Comprehensive Atlas for Disease Staging and Follow-Up

UR112-ED-X (Digital Education Exhibit)  
TEST the TESTIS: An Ultrasound Diagnostic Algorithm from SSSSimple to Complex Pathology

UR113-ED-X (Digital Education Exhibit)  
Contrast-Enhanced Ultrasound as a Tool for Characterizing Renal Cysts: Our Experience

UR114-ED-X (Digital Education Exhibit)  
Pitfalls in Renal Ultrasound

UR115-ED-X (Digital Education Exhibit)  
Changing Paradigms in Urothelial Imaging: New Approaches to Diagnosis and Reporting

UR116-ED-X (Digital Education Exhibit)  
Imaging of Urachal Anomalies Revisited: Cross-Sectional Imaging Spectrum

UR117-ED-X (Digital Education Exhibit)  
The Prostate Imaging Reporting and Data System (PI-RADS) Version 2.1: New (or Old) Challenges?

UR118-ED-X (Digital Education Exhibit)  
Comprehensive Review of Genitourinary Trauma

UR119-ED-X (Digital Education Exhibit)  
MRI: Transrectal Ultrasound Fusion-Guided Biopsy of the Prostate

UR120-ED-X (Digital Education Exhibit)  
Spilling the Beans: An Inside Scoop on the Imaging of Renal Parenchymal Disease

UR121-ED-X (Digital Education Exhibit)  
Symptomatic Adrenal Glands: The Role of Imaging in Clinical Practice

UR122-ED-X (Digital Education Exhibit)  
MRI for Assessment of the Post-treatment Prostate

UR123-ED-X (Digital Education Exhibit)  
Lymph Node Dissemination of Main Pelvic Tumors: When the Cross-Sectional Imaging Avoids Metabolic Studies

UR124-ED-X (Digital Education Exhibit)  
Complications of Renal Transplantation: Beyond the Usual Suspects

UR125-ED-X (Digital Education Exhibit)  
Gigantic Balls: Quest to Unravel Paratesticular Lesions on Cross-Sectional Imaging

UR126-ED-X (Digital Education Exhibit)  
Male Artificial Urinary Sphincter: What Every Radiologist Must Know

UR127-ED-X (Digital Education Exhibit)  
Dynamic MR Angiography Identifies Vascular Etiologies of Erectile Dysfunction

UR128-ED-X (Digital Education Exhibit)  
Is Bigger Better? Let's Talk About Erectile Dysfunction

UR129-ED-X (Digital Education Exhibit)  
Chromophobe Renal Cell Carcinoma: A Reappraisal of Classic, Variant, Hereditary, and Hybrid Forms

UR130-ED-X (Digital Education Exhibit)  
Contrast-Enhanced Ultrasound for the Evaluation and Characterization of Indeterminate Renal Lesions

UR131-ED-X (Digital Education Exhibit)  
Prostate MRI and MR-Directed Biopsy (MRDB) Service: A Template for Quality Assurance Program and Peer-Collaborative Learning

UR132-ED-X (Digital Education Exhibit)  
Imaging of the Acute Scrotum: Keys to a Rapid Diagnosis of Acute Scrotal Disorders

UR133-ED-X (Digital Education Exhibit)  
A Practical Guide to Renal Masses: What the Radiologist Needs to Know

UR134-ED-X (Digital Education Exhibit)  
Imaging Features of Cystic Renal Lesions in the Era of the 2016 WHO Classification

UR135-ED-X (Digital Education Exhibit)  
Penile Tumor: Beyond Squamous Cell Carcinoma

UR136-ED-X (Digital Education Exhibit)  
Problem Solving in Penile and Scrotal Imaging with CT and MRI

UR137-ED-X (Digital Education Exhibit)  
Primary Retroperitoneal Masses in Adults: A Systematic Approach with Emphasis on Differential Diagnosis

UR138-ED-X (Digital Education Exhibit)  
The Utility of Dual-Energy CT Imaging in Evaluation of Incidentally Discovered Renal Lesions

UR139-ED-X (Digital Education Exhibit)  
Genitourinary Malignant Lymphoma: Multimodality Imaging and Differential Diagnosis

UR140-ED-X (Digital Education Exhibit)  
Establishing a Minimally-Invasive Localized Prostate Cancer Treatment Service Line: A Comprehensive Resource

UR141-ED-X (Digital Education Exhibit)  
Pitfalls of Prostate Imaging

UR142-ED-X (Digital Education Exhibit)  
Adrenal Imaging in the Era of Radiomics: Current Indications and Future Perspective

UR143-ED-X (Digital Education Exhibit)  
Non-Scrotal Causes of Acute Scrotum

UR144-ED-X (Digital Education Exhibit)  
Prostate MRI and Time-resolved MR Angiography Prior to Prostate Artery Embolization for Symptomatic Benign Prostatic Hyperplasia

UR145-ED-X (Digital Education Exhibit)  
Pitfalls in Prostate MRI: How to Avoid Them?

UR146-ED-X (Digital Education Exhibit)  
Role of mpMRI in Prostate Cancer Radiation Therapy Planning

UR147-ED-X (Digital Education Exhibit)  
Benign Prostatic Lesions: Beyond BPH

UR148-ED-X (Digital Education Exhibit)  
Cystic Adrenal Masses: Spectrum of Multi-Modality Imaging Features and Pathological Correlation

UR149-ED-X (Digital Education Exhibit)  
Rare Adrenal Tumors, Tumor-like Conditions, and Mimics

UR150-ED-X (Digital Education Exhibit)  
If it Seems Erratic, Think Lymphatic: Lymphoma of the Genitourinary Tract

UR151-ED-X (Digital Education Exhibit)  
A Practical Guide of Genitourinary Trauma

UR152-ED-X (Digital Education Exhibit)  
Usual and Not so Usual Findings in Urethrocytography/Voiding Cystourethrography (VCUG): What Should Sometimes Be Expected

UR153-ED-X (Digital Education Exhibit)  
Scrotal and Penis Emergencies: What Should a Radiologist Know?

UR154-ED-X (Digital Education Exhibit)  
There is No 3 Physiological Narrowings in the Upper Urinary Tract: A Cutting-Edge Concept of the Retroperitoneal Anatomy Around the Ureter

UR155-ED-X (Digital Education Exhibit)  
Renal Vasculature: Everything the Radiologist Needs to Know

UR156-ED-X (Digital Education Exhibit)  
Imaging Findings of Complications After Robot-Assisted Prostatectomy

UR157-ED-X (Digital Education Exhibit)  
PI-RADS™ v2.1: A Case-based Review with Template Utilization and Institutional Feedback

UR158-ED-X (Digital Education Exhibit)  
Congenital Anomalies of Kidneys and Urinary Tract: It's Much Easier Than You Think

UR159-ED-X (Digital Education Exhibit)  
Blood Oxygen Level Dependent on MR Imaging of Kidney: Usefulness and Limitation

UR160-ED-X (Digital Education Exhibit)  
PI-RADS v 2.0 versus PI-RADS v 2.1: What to Add to Your Checklist

UR161-ED-X (Digital Education Exhibit)  
The Dilemma of the Incidental, Non-Palpable, Asymptomatic Testicular Lesion: Imaging, Clinical and Surgical Management for Testis Sparing

UR162-ED-X (Digital Education Exhibit)  
Be Familiar with VI-RADS - A Pictorial Review Regarding Multiparametric MRI for Bladder Cancer: What the Radiologist and Radiology Technologist Need to Know

UR163-ED-X (Digital Education Exhibit)  
Prostate Cancer: Pictorial Review of Complex Cases and Mimics

UR164-ED-X (Digital Education Exhibit)  
Small Renal Cortical Lesions: A Pictorial Roadmap

UR165-ED-X (Digital Education Exhibit)  
'Rolling Stones in Flank Pain': Update, Management, and Complications

UR166-ED-X (Digital Education Exhibit)  
The Role of Image in Biochemical Recurrence of Prostate Cancer

UR167-ED-X (Digital Education Exhibit)  
Around the Kidneys in 30 Slides: Imaging of Perinephric Pathologies

UR168-ED-X (Digital Education Exhibit)  
Test Your Knowledge: Genitourinary Trauma

UR169-ED-X (Digital Education Exhibit)  
Unravelling the Prostate Transition Zone Using PIRADS v2.1

UR170-ED-X (Digital Education Exhibit)  
Under Pressure! Challenging Cases on MRI Male Pelvis

UR171-ED-X (Digital Education Exhibit)  
Hormonal Hare: Imaging Spectrum of Adrenal Lesions, Incidentalomas, and Diagnostic Algorithm-A Radiologist's Guide

UR172-ED-X (Digital Education Exhibit)  
Infection After Penile Fillers: Imaging Features, Extensions, and Pitfalls

UR173-ED-X (Digital Education Exhibit)  
Routine Utilization of Contrast-Enhanced Ultrasound in Renal Mass Characterization: A New Paradigm

UR174-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Penile Ultrasound in Trauma

UR175-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
Contrast-Enhanced Ultrasound: A Multimodality Imaging Review of the Indeterminate Kidney Lesion

UR176-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Have You Seen It? Then Take a Glance at These Prostate Lesions!

UR177-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Cystogram: Still Alive and Useful

UR178-ED-SUB8 (Sun, 1:00-1:30 PM, Station #8)  
Immunoglobulin G4-Related Disease of the Genitourinary Tract: The Great Imitator

UR179-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Dual-Energy CT of the Renal Lesions

UR180-ED-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Leave No Nephron Behind: A Review of Nephrometry Scoring Systems

UR181-ED-X (Digital Education Exhibit)  
Adrenal Mass Characterization with Spectral CT: Principles, Clinical Implementations, and Pitfalls

UR182-ED-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Penile Lumps: From Common to Rare and Unusual Diseases

UR183-ED-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
Imaging Findings in Genitourinary Tuberculosis

UR184-ED-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Bosniak Classification v.2019: Pictorial Review and Update Summary

UR185-ED-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
The Construction of Structured Reporting Template for Renal Cancer

UR186-ED-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Practical Guide to Enhancing Radiologist Role in the Diagnosis of Diseases: Case Studies in Genitourinary Imaging

UR187-ED-TUB8 (Tue, 12:45-1:15 PM, Station #8)  
Infiltrative Renal Lesions: Imaging Findings, Differential Considerations, and Mimickers

UR188-ED-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Metastasis or Recurrence of RCC: How, When, and Where

UR189-ED-WEA8 (Wed, 12:15-12:45 PM, Station #8)  
Leading the Way with PI-RADS and MRI-Directed Biopsy Pathway for the Diagnosis of Prostate Cancer

UR190-ED-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
VIRADS: Not Just Another "RAD's" - Why the Radiologist Should Know and Use It

UR191-ED-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
Don't Get Fooled: Read Like a Musculoskeletal Radiologist -  
Key Benign Lesions for Abdominal Imagers

UR192-ED-THA7 (Thu, 12:15-12:45 PM, Station #7)  
Suspected Renal Colic: Multispecialty Consensus Imaging  
and CT Dose Reduction Recommendations

UR193-ED-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
When, Where, and Why We Make Mistakes: Tips for Avoiding  
Errors in Genitourinary Exams

UR194-ED-THB7 (Thu, 12:45-1:15 PM, Station #7)  
A Guide to Imaging in Pancreas and Kidney Transplants

UR195-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
MR Imaging of Penile Neoplasms: Not That Hard



# Health Services Research, Policy, and Practice

HP001-EB-MOB (Mon, 12:45-1:15 PM, Hardcopy Backboard)  
Optimization of Eye Lens Doses for Interventional Radiology and Cardiology Staff: Monitoring and Protection Methods of Eye Lens

HP002-EB-X (Hardcopy Backboard)  
Using Art to Engage in Difficult Conversations: A Pilot Study

HP003-EB-X (Hardcopy Backboard)  
Development of a Musculoskeletal Ultrasound Education Curriculum for Ultrasound Technologists and Musculoskeletal Fellows: An Adventure in Co-Learning

HP004-EB-X (Hardcopy Backboard)  
Integration of Medical Students in the Musculoskeletal Reading Room: How We Do It

HP005-EB-X (Hardcopy Backboard)  
Radiology Resident-to-Resident (R2R) Case of the Day: A Peer-to-Peer Education Tool

HP006-EC-SUA (Sun, 12:30-1:00 PM, Custom Application Computer Demonstration)  
How to Read a CT of the Abdomen and Pelvis: Creating an Interactive Educational Website for Residents, Medical Students, and Technologists

HP100-ED-X (Digital Education Exhibit)  
History of Quality and Safety in the United States

HP101-ED-X (Digital Education Exhibit)  
Lessons from the Radiology Malpractice Arena: From Avoiding it Altogether to Navigating the Legal Process

HP102-ED-X (Digital Education Exhibit)  
Change Management: Key Concepts and Applications throughout the Radiology Department

HP103-ED-X (Digital Education Exhibit)  
Should We Use Oral Contrast in CT Imaging?

HP104-ED-X (Digital Education Exhibit)  
Mentorship, Sponsorship, and Coaching: Key Faculty and Resident Development Concepts and a Guide for Successful Implementation in the Radiology Department

HP105-ED-X (Digital Education Exhibit)  
Novel Contrast Agent Determination Method Using CT Images Only

HP106-ED-X (Digital Education Exhibit)  
Animated Encounters with Patients in Radiology: The Next Frontier of Patient Empowerment

HP107-ED-X (Digital Education Exhibit)  
Patient Satisfaction Surveys: Acquisition, Analysis, and Effect on Hospital Reimbursement

HP108-ED-X (Digital Education Exhibit)  
Publicly Available Outcome Data for Thyroid Fine Needle Aspiration: A Patient-centered Approach

HP109-ED-X (Digital Education Exhibit)  
Front Desk as Hosts: Leveling Up the Imaging Patient Experience

HP110-ED-X (Digital Education Exhibit)  
Artificial Intelligence in Radiology: A Primer for Residents and Students

HP111-ED-X (Digital Education Exhibit)  
Incorporating Interventional Radiology into Medical School Curriculum: Report on Year 2 of Establishing a Longitudinal Study

HP112-ED-X (Digital Education Exhibit)  
How to Read, Review, and Write the Imaging Literature

HP113-ED-X (Digital Education Exhibit)  
#RadTwitter 101: An Easy Guide to Using Twitter in Radiology

HP114-ED-X (Digital Education Exhibit)  
Flip It! Techniques for Interactive, Learner-Directed Educational Conferences to Increase Trainee Engagement and Diagnostic Confidence

HP115-ED-X (Digital Education Exhibit)  
The Impact of Radiology on the Leapfrog Hospital Grading System

HP116-ED-X (Digital Education Exhibit)  
"SHINGOing Forward": Utilization of the SHINGO Model in Radiology Business Practice

HP117-ED-X (Digital Education Exhibit)  
The Care and Feeding of a Visiting Professor: How We Run a Grand Rounds/Visiting Professor Program in Radiology

HP118-ED-X (Digital Education Exhibit)  
Optimizing the Mentor-Mentee Relationship: A Guide for Mentees

HP119-ED-X (Digital Education Exhibit)  
Do You Want to Avoid Burnout? Why We Need to Think Critically About How Burnout is Defined in Radiology Literature - Experienced by Radiologists

HP120-ED-X (Digital Education Exhibit)  
MRI Protocol Design, Optimization, Standardization and Management

HP121-ED-X (Digital Education Exhibit)  
Setting Up an Imaging Consultation Clinic for Patients: A Primer for Radiologists

HP122-ED-X (Digital Education Exhibit)  
What is Likelihood Radio? Principles of Medical Decision Making for Radiology Residents

HP123-ED-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Just Say No to Gad: Focused Non-Contrast Body Protocols and Alternative Contrast Agents

HP124-ED-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Benefits of a Near-Miss Peer Learning Conference Tailored for Residents

HP125-ED-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Building a Decision Aid Tool for Femoroacetabular Impingement (FAI) Patients with Incorporation of Imaging

HP126-ED-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Practical MR Elastography (MRE) - Tips from Experienced MRE Analysts on Achieving Best Practice

HP127-ED-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
2019 MRI Safety Updates for Radiologists: Are We Too Careful or Careless?

HP128-ED-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Self Help: Creating Research Opportunities in a Hybrid Training Setting

HP129-ED-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Interactive, Up-to-Date Meta-Analysis [iu-ma]: A Novel, Personalized Format to Bring the Latest High-Level Evidence to All Stakeholders Involved in Patient Care

HP200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Survey of Competitive Behavior of Screening Mammography Facilities in the United States

HP201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Transcontinental Thematic Analysis of Gender Role in Medical Schools Leadership: A message to Academic Radiology & Hospital Administration

HP202-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Gadolinium Retention in Tissues and Biofluids Following Intravenous Gadolinium-Based Contrast Administration in a Preclinical Animal Model

HP203-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
The Impact of Sociodemographic Factors in Breast, Prostate and Lung Cancer in the Patterns of Care Related to the Availability of Radiation Therapy (RT) in a Rural Mountain West State

HP204-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Improving Radiology Residents' Radiological Interpretation Through Formative Feedback with Eye Tracking

HP205-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Burnout, Professional Fulfillment and Intent-to-Leave amongst Radiologists in the United States (US): An Epidemiologic Study

HP206-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Opportunistic Screening of Patients with Incidentally Discovered Fatty Liver on CT: Compliance of Ordering Physicians and Diagnostic Yield of Patients with Non-alcoholic Steatohepatitis (NASH)

HP207-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Radioprotection Training System to Multi-professional Team and Medical Students in a Teaching Hospital

HP208-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Expectations of Critical Radiology Result Communication

HP209-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Comparison of Contrast Enhanced Ultrasound Versus Contrast Enhanced Magnetic Resonance Imaging for the Diagnosis of Focal Liver Lesions Using Liver Imaging Reporting and Data System v2017

HP210-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
National Trends in Diagnostic Imaging Use in Spain (2010-2016)

HP211-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Cost-effectiveness Analysis of Including Contrast-enhanced Ultrasound (CEUS) in the Management of Asymptomatic Pancreatic Cystic Lesions

HP212-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Assessment of Radiology Malpractice Claims in the United States

HP213-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Do Senior Women Mentor Women More Than Men

HP214-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Is Hypnosis an Alternative to Pharmacologic Sedation for Claustrophobic Patients Undergoing MR Exams? A Retrospective Study

HP215-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
CT Examination and 3D Analysis of Egyptian Animal Mummies

HP216-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Low-dose CT Lung Screening: Data Analysis of Lung Cancer Patients with Above 40 Years Old

HP217-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Dissemination Patterns of Radiology-Defined Musculoskeletal Concepts Into Clinical Literature

HP218-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Hands-On Radiology Education for Medical Students

HP219-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
A Comparison of Resident Improvement in Accuracy and Speed at A Single Institution with Independent Call

HP220-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
The Efficiency of Deep Learning-based Bone Age Assessment System in Clinical Practice

HP221-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Improving Metrics of Acute Stroke with Critical Care Nursing - Radiology, Neurology and Nursing Based Interdisciplinary Management

HP222-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Radiological and Clinical Outcomes of Emergent Spine MRI scans Performed for Spinal Cord Compression

HP223-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Patterns of Use, Effectiveness, and Safety of Gadolinium-Enhanced MR in a Multicenter European Setting: An Interim Report

HP224-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Impact of Live versus Recorded Radiology Lectures for a 4th-year Medical Student Radiology Clerkship Rotation on Test Performance

HP225-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Slowly-injected Unsplit-bolus Protocol for the Reduction of Contrast Medium (CM) and Mean Radiation Dose Exposition (SUPREME Protocol)

HP226-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Shot, but Not Forgotten: Predicting Long-term Consequences of Gun Shot Wound-related Injuries

HP227-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
The Art of Imaging Methods-Using Micro-CT to Uncover the Secrets of Ancient Ivory Manikins

HP228-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Gender and Racial Bias on Radiology Residency Letters of Recommendation

HP229-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
Allergy Skin-Testing in Patients with a Previous Hypersensitivity Reaction to a Gadolinium-based Contrast Agent (GBCA): A Systematic-Review and Meta-Analysis

HP230-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
An Unconference on Communication Adds Value: One Approach to Improving Communication in the Radiology Department

HP231-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Imaging Trends and Costs from a Large Pediatric Accountable Care Organization

HP232-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
The Potential Impact of Opportunistic CT Evaluation for Osteoporosis: A COARDRI Network Study of 24,803 patients in Three Health Systems

HP233-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Assessment of Modality-Specific Strengths and Weaknesses of Non-Enhanced and Contrast-Enhanced Post Mortem Computed Tomography

HP234-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Research Authorship and Gender Parity: Are We There?

HP235-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Content, Structure and Readability of Lung Cancer Screening Program Websites in the United States

HP236-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Frequency, Predictors, and Clinical Utility of the Phrase "Correlate Clinically": Value of Correlative Recommendations in Radiology Reports

HP237-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Impact of Text Message Reminder on Patient No-Show Rate in Scheduled Radiology Examination

HP238-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Evaluating the Performance of Lung Nodules Follow-Up Assistance Systems on the Workflow Efficiency in Follow-Up of Solitary Pulmonary Nodules

# Informatics

IN001-EB-X (Hardcopy Backboard)  
Cachexia Beyond Dexa

IN002-EB-X (Hardcopy Backboard)  
Analysis on Morphometric Complexity to Radiology and Its Clinical Implication

IN003-EB-X (Hardcopy Backboard)  
How to Make a Patient and Surgeon-Specific Surgical Guide by 3D Printing Technology Based on the Medical Image

IN004-EB-X (Hardcopy Backboard)  
Design of Benchtop Clinical Trials Using Patient Specific 3D Printed Vascular Phantoms

IN005-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
Assessing the Accuracy, Reproducibility and Repeatability of Novel Quantitative Approach to MRCP Imaging

IN006-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
Reproducibility of Quantitative Features in Prostate mpMRI

IN007-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
Correlation between Texture Features of Abdominal Skeletal Muscles and Recurrent Gastroesophageal Hemorrhage After Secondary Prophylaxis in Cirrhosis

IN008-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)  
NLP Can Accurately Extract Reports Containing Pulmonary Artery Enlargement Based on a Relatively Small Amount of Training Data

IN009-EB-TUB (Tue, 12:45-1:15 PM, Hardcopy Backboard)  
Creating an Integrated Research Platform of the Basis of Clinical PACS

IN010-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
High-Resolution Medical Image Generation and Disentanglement Using Progressive Growing of Generative Adversarial Networks: Possible Applications and Limitations

IN011-EB-X (Hardcopy Backboard)  
Primer of 3D Printers and Segmentation Software Used in Anatomic Modeling

IN012-EB-X (Hardcopy Backboard)  
Quality Assurance Program in 3D Printing: Assuring Accuracy and Understanding Limits of Model Creation

IN013-EB-WEB (Wed, 12:45-1:15 PM, Hardcopy Backboard)  
Essential Operations and Workflow in the 3D Printing Anatomic Modeling Lab

IN014-EB-X (Hardcopy Backboard)  
The Role of Advanced 3D Reconstruction as a Tool for Anatomic Model Visualization and Surgical Planning

IN015-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)  
Inkjet-Printed Hybrid Anthropomorphic CT Phantoms of Chronic Obstructive Pulmonary Diseases

IN016-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)  
Preventing Gender and Laterality Discrepancies in Radiology Reporting

IN017-EC-SUA (Sun, 12:30-1:00 PM, Custom Application Computer Demonstration)  
National Cancer Institute Imaging Data Commons

IN018-EC-TUB (Tue, 12:45-1:15 PM, Custom Application Computer Demonstration)  
An Interactive Web-Based Application for Enhanced Multi-Parametric Prostate MRI Training with Whole Mount Histology Correlation

IN019-EC-TUA (Tue, 12:15-12:45 PM, Custom Application Computer Demonstration)  
Using the Open Health Imaging Foundation (OHIF) Framework to Build Web-Based Imaging Applications

IN020-EC-X (Custom Application Computer Demonstration)  
Real-Time, Fused Holographic Guidance and Navigation Platform for Performing Percutaneous Interventional Procedures

IN021-EC-X (Custom Application Computer Demonstration)  
Technique for Improving Accuracy of Deep Learning-based Multi-Organ Segmentation from CT Volumes

IN022-EC-X (Custom Application Computer Demonstration)  
3D Slicer: A Community-Based Open Source Platform for Processing and 3D Visualization of DICOM Images

IN023-EC-THB (Thu, 12:45-1:15 PM, Custom Application Computer Demonstration)  
Tips and Tricks on Basic Programming Tools for Radiologists to Handle DICOM Data

IN024-EC-X (Custom Application Computer Demonstration)  
Interactive Web-Based Imaging Response Assessment Training Application for Cancer Clinical Trials

**IN025-EC-SUB (Sun, 1:00-1:30 PM, Custom Application Computer Demonstration)**  
**Clinical Decision Support System Designed for Radiologists Employing Common Data Elements and Diagnostic Templates**

**IN026-EC-MOA (Mon, 12:15-12:45 PM, Custom Application Computer Demonstration)**  
**A DICOM-Embedded Annotation System for 3D Cross-Sectional Imaging Data**

**IN027-EC-MOB (Mon, 12:45-1:15 PM, Custom Application Computer Demonstration)**  
**Development of a Tracking System for PET/CT Exams That Integrates PET Image Quality Metrics and Radiation Dose Information from Both Modalities**

**IN028-EC-MOB (Mon, 12:45-1:15 PM, Custom Application Computer Demonstration)**  
**MRQuantif: A Software Program for Quantifying Liver Fat and Iron**

**IN029-EC-TUA (Tue, 12:15-12:45 PM, Custom Application Computer Demonstration)**  
**The Quantitative Image Feature Pipeline (QIFP): Automated Computation of Quantitative Image Features for Prediction of Clinical Characteristics (e.g., Malignancy, Response to Therapy, Overall Survival) in Subject Cohorts**

**IN030-EC-TUA (Tue, 12:15-12:45 PM, Custom Application Computer Demonstration)**  
**Interactively-Trained Segmentation Tool Leveraging Machine Learning and Geodesic Distance**

**IN031-EC-TUA (Tue, 12:15-12:45 PM, Custom Application Computer Demonstration)**  
**Virtual Dynamic Contrast-enhanced CT (vDCE-CT): A Novel Method for Quantification of Tissue Perfusion and Reconstruction of DCE-CT Image at Any Temporal Window Using Routine Abdominal DCE-CT Protocol**

**IN032-EC-TUB (Tue, 12:45-1:15 PM, Custom Application Computer Demonstration)**  
**Development of TextIriX: A Texture Analysis Plugin for OsiriX**

**IN033-EC-TUB (Tue, 12:45-1:15 PM, Custom Application Computer Demonstration)**  
**Open Source Platform and Cockpit for Storage and Sharing of Large Imaging Biobanks**

**IN034-EC-THB (Thu, 12:45-1:15 PM, Custom Application Computer Demonstration)**  
**Integrated Research Platform for Prostate Cancer**

**IN100-ED-X (Digital Education Exhibit)**  
**Teaching the Spectrum of Disease with a Newly Design Web Application: Fluid Status on Chest X-Rays**

**IN101-ED-X (Digital Education Exhibit)**  
**Patient Dose Calculation and Counseling using Open Source Mobile App**

**IN104-ED-X (Digital Education Exhibit)**  
**CT Texture Analysis with Ultra-High-Resolution CT Imaging Improve the Confidence on Quantitative Assessment of Lesion Heterogeneity**

**IN105-ED-X (Digital Education Exhibit)**  
**Radiomic, Dual-Energy CT, and Machine Learning: A Holy Troika for Focal and Diffuse Abnormalities on CT**

**IN107-ED-X (Digital Education Exhibit)**  
**Moving from Burnout to Wellness: A Review of Burnout in Radiology and Strategies for Mitigation**

**IN110-ED-X (Digital Education Exhibit)**  
**Establishing a Registry for Medical 3D Printing**

**IN112-ED-X (Digital Education Exhibit)**  
**Important Factors in Building Structured Reporting Template for Pancreatic Cystic Neoplasms**

**IN117-ED-X (Digital Education Exhibit)**  
**Detection of Meniscal Degeneration for Osteoarthritis in Ultrasonography**

**IN120-ED-X (Digital Education Exhibit)**  
**3D Printed Patient-Specific Surgical Cutting Guides Based on CT-Derived Anatomic Meshes**

**IN121-ED-X (Digital Education Exhibit)**  
**3D Printing in Medicine: A Primer for Radiologists**

**IN122-ED-X (Digital Education Exhibit)**  
**Several Shades of Gray: A Practical Approach to Workstation Monitor Selection**

**IN123-ED-X (Digital Education Exhibit)**  
**Volume Matching: Using the Best Parts of the Tool Box**

**IN124-ED-X (Digital Education Exhibit)**  
**Use of 3D Printing to Aid in Complex Surgical Cases**

**IN125-ED-X (Digital Education Exhibit)**  
**Real-time Skull Radiographic Simulator Based on Optical Tracking System for the Education and Training of Less-Experienced Radiology Personnel**

IN126-ED-X (Digital Education Exhibit)  
Quantitative Imaging with CT: A Comprehensive Review

IN127-ED-X (Digital Education Exhibit)  
Instagram's Influence on Radiology Today

IN128-ED-X (Digital Education Exhibit)  
Cutting Edge Technologies of Automated Car Driving  
Change the Radiology: Diagnosis Based on Classification,  
Object Detection, and Segmentation Using Deep Learning

IN130-ED-X (Digital Education Exhibit)  
Volumetric Quantification of Neurofibromatosis (NFs) Tumor  
Burden on Whole-body MRI Using Cloud Quantification  
Imaging System for NF (CQI-NF)

IN131-ED-X (Digital Education Exhibit)  
Use of CT-RMI Fusion for Printing 3D Models to Plan  
Complex Traumatological Surgeries: Our Experience

IN132-ED-X (Digital Education Exhibit)  
3D Printing in Neuroradiology: Fundamentals, Methods, and  
Clinical Applications

IN133-ED-X (Digital Education Exhibit)  
Gamification for Medical Imaging Dataset Annotation

IN134-ED-X (Digital Education Exhibit)  
How to Train Your 3D U-Net for Organ Segmentation

IN135-ED-X (Digital Education Exhibit)  
Chest X-Ray Database: Preparation for the Application of  
Deep Learning

IN136-ED-X (Digital Education Exhibit)  
Multimedia Radiology Report Form Structured Reporting:  
How to Do It

IN137-ED-X (Digital Education Exhibit)  
Clinical Applications of 3D Printing in Abdomen and Pelvic  
Diseases

IN138-ED-X (Digital Education Exhibit)  
An Introduction to Radiomics and CT Textural Analysis

IN140-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Artificial Intelligence-Driven Imaging for Ultra-Fast MRI:  
Cutting-Edge Technology and Clinical Application

IN142-ED-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Deep Learning Image Reconstruction Artifacts: What the  
Radiologist Needs to Know

IN143-ED-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
How to Create a Great Radiology Report

IN144-ED-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Platform for Development and Deployment of Computer-  
Assisted Reporting & Decision Support at the Radiologist  
Point-of-Care: What Radiologists Should Know

IN146-ED-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
PACS Replacement Part I: Steps to Successful Selection  
from Discovery to Contract

IN147-ED-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
PACS Replacement Parts II: Steps to Successful  
Implementation - From Contract to Go-Live

IN149-ED-THA4 (Thu, 12:15-12:45 PM, Station #4)  
How to Build a Reliable and Reproducible Radiomics  
Application

IN203-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Accuracy of Coronary Artery Calcium Score on Low-  
dose Screening Chest CT by using Deep Learning-based  
Denoising and Kernel Conversion

IN204-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
CT Angiography of the Abdominal Aorta and Lower  
Extremities in Patients with Chronic Kidney Disease: A Low  
Contrast Dose Protocol using Dual-Energy CT

IN206-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Tofu: For Stir-Fry and Ultrasound Procedural Training

IN208-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Mimicking Radiologists to Improve the Robustness of Deep-  
learning Based Automatic Liver Segmentation

IN210-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Digital Health Solution Tools: A Trend that Physicians  
Should Follow to Engage More with Their Patients

IN212-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
AI Radiomics in a Monogenic Autoimmune Disease: Deep  
Learning of Routine Radiologist Annotations Correlated with  
Pathologically Verified Lung Findings

IN213-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Renal Parenchyma Segmentation using the Combined 2D  
and 3D Segmentation Networks for Analysis of Volume  
Changes of Contralateral Hypertrophy after Robot-assisted  
Partial Nephrectomy in Abdominal CT Images

IN214-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Fully-Automated Open-Source Critical Findings Notification  
System

IN215-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Actionable Findings in Daily Clinical Practice

IN216-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Early Experience Implementing a Web-based Interface to Annotate Breast Imaging Reports with Patent-oriented Definitions

IN218-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Collaborative Robotics for Image-Guided Interventions in a Standardized Network for Clinical Environments

IN219-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
A Proper Statistical Method for Comparing Diagnostic Performances Between Stand-alone Artificial Intelligence System and Multiple Readings from Multi-reader Diagnostic Performance Study

IN220-SD-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Evaluation of an Artificial Intelligence-Based Double Read System in Capturing Pulmonary Nodule Discrepancy in CT Studies

IN222-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Deep Learning Model based on Multiple Computed Tomography Observation Window Setting Inputs for Pulmonary Nodule Detection

IN223-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
The Effect of Radiation Dose on the Characterization of Ground Glass Nodules: A Thoracic Phantom Study

IN228-SD-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Clinical Usability Scores For PI-RADSV2 Conform Structured Multi-Parametric MRI Reports of The Prostate Using Natural Language Processing-Based RadLex® Mapping

IN229-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Implementation of An Onsite Medical Display Device Quality Control Program

IN231-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Feasibility of Nakagami Parametric Imaging for Texture Analysis of Ultrasound Images

IN232-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
CT Attenuation Characteristics of 3D Printed Materials

IN234-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Radiomics Could Improve Predictive Performance of Overall Survival in Patients with Hepatocellular Carcinoma (HCC)

IN235-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Improving Communication between Radiologists, Pathologists, and Urologists by using a PI-RADS Structured Reporting System

IN236-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Artificial Intelligence in Radiology Literature: Trends in Publication from 2008-2017

IN238-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Visceral Fat Quantification in Abdominal Computed Tomography Using Deep Learning

IN240-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Sustainability of an Automated CT Protocol Selection System Based on Machine Learning and Natural Language Processing

IN243-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Understanding Potential Customers of an In-House 3D Print Lab - A Survey amongst Physicians of Their Awareness, Needs and Comprehension of 3D Printing Technology

IN244-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
3D Ultrasound-Based Measurement of Hydronephrosis Index to Assess the Severity of Pediatric Hydronephrosis

IN245-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
A Pilot Study of a New Technique for the 3D Reconstruction of the Incisional Hernia

IN246-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Study on the Detection Capability Alteration of AI Assisted Software in Detecting Subsolid Pulmonary Nodules by Residents in Radiology Department

IN247-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Paradigm Shift in Diagnostic Radiology Training using Simulation Workshops: Intracranial Malignancies

IN248-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Identifying Areas for Operational Improvement and Growth Opportunities in IR Workflow Using Workflow Modeling, Simulation and Optimization Techniques

IN249-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
ROSA Robot Rehearsal: Utilizing 3D Printing to Facilitate the Integration of Robotic Stereotactic Assistance (ROSA) in Neurosurgery

IN251-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
An Automated Informatics-based Repeat/Reject Rate Algorithm for CT

IN252-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
 Comparison of Radiomics-based Feature Reduction Methods and Machine Learning Classifiers for Prognostic Biomarkers of Glioma Grading

IN253-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
 Clinical Value of Conventional and Enhanced MRI Texture Analysis for Preoperative Grading of Meningiomas

IN254-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
 MRI Texture Analysis for Differentiating Solitary Fibrous Tumors/Hemangiopericytoma from Angiomatous Meningioma

IN256-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
 Automatic Structuring of Sentences in Chest X-ray Reports to Enable Structured Reporting

IN259-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
 Therapeutic Pancreatic Cancer Tumor Analysis in CT Images using Global Atlas, Multi-Resolution Convolutional Neural Network and Wavelet Volumetric Shape Extraction

IN260-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
 Inter-operator Variability in Diffusion Tensor Imaging Tractography for Tumor Resection Surgical Planning

IN263-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
 Comparison of Image Quality Between Conventional 120kVp and Dual-energy 120kVp-Like Images in Upper Abdominal CT

IN264-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
 Craniomaxillofacial Landmarks Detection on CBCT Images using 3D Mask-RCNN For Craniomaxillofacial Surgery

IN265-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
 The Implementation of Natural Language Processing to Extract Index Lesions from Breast Magnetic Resonance Imaging Reports

IN266-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
 Automatic Extraction of Imaging Observations and Assessment Categories from Breast Magnetic Resonance Imaging Reports with Natural Language Processing

IN268-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
 Implementation of a Clinical Decision Support System for Alerting the Physician to Repeat Imaging Examination Orders

IN270-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
 Automated Pancreas Segmentation Based on Multi-modal Fusion of Dual-energy CT Images

IN271-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
 Holographic Light Field Displays for 3D viewing

IN272-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
 A Radiomics Approach for Early Detection of Tumor Response to MDSC-Directed Immunotherapies

IN274-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
 Feasibility of Adaptive Statistical Iterative Reconstruction-V Algorithm combination with 80kV for Reducing Radiation Dose and Contrast Agent in Computed Tomography Portal Venography: comparison with Adaptive Statistical Iterative Reconstruction

IN275-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
 Application of Model-Based Iterative Reconstruction in Reducing Radiation Dose and Improving Low-Dose Abdominal CT Image Quality

IN276-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
 The Value of Radiomics in the Quality Control of Low-dose CT Examinations of Solid Pulmonary Nodules - A Phantom Study

***Informatics Demonstrations***

IN040  
 Computer Assisted Radiology and Surgery (CARS)

IN041  
 The Society for Imaging Informatics in Medicine (SIIM)

IN042  
 3D Printing Special Interest Group (SIG) Kiosk

IN043  
 Common Data Elements (CDEs)

IN044  
 RadReport 2.0

***Informatics Artificial Intelligence***

***Invited Posters***

AI027  
 Prostate Cancer Detection, Quantification, and Characterization with Artificial Intelligence

AI028  
 Leveraging Deep Learning for Stroke Imaging Triage



AI029 (Mon, 12:15-1:00 PM)

Prediction of CT Perfusion Arterial and Venous Time-attenuation Curve Parameters Using Deep Learning Systems: Proof-of-concept for Developing a Personalized CT Perfusion Protocol for Acute Stroke Workup

AI030

Motion Correction in Digital Subtraction Angiography Using Machine Learning

AI031

Multi-site Deep Learning Initiative with Decision Support to Improve Diagnostic Accuracy of Breast MRI and Reduce Unnecessary Biopsies

AI032

Prediction of Clinically Significant Prostate Cancer from Only T2 Weighted Imaging Using Machine Learning

AI033

Training and Validation of DeepMedic Machine Learning Tool for Automated Hematoma Segmentation and Volume Analysis on CT Using Multicenter Data

AI034

Machine-learning Based Automated Prediction of CTA Collateral Status in Stroke Patients with Anterior Circulation Large Vessel Occlusion

AI035

Using CT Perfusion and Diffusion-weighted Imaging MRI in Deep Learning to Predict Endovascular Therapy Response in Ischemic Stroke Patients

AI036

An Artificial Intelligence Approach to Improve the Differentiation of Surgical from Non-surgical Cystic Renal Lesions

AI037

Automated Detection and Localization of Large Vessel Occlusion on CTA of the Head Using Deep Learning Systems

AI038

How Artificial Intelligence in Neuroradiology Can Revolutionize Neurological Surgery for Epilepsy

AI039

Automated Surveillance of Thoracic and Abdominal Radiographs for Acute Incidental Findings: A Deep-Learning Based Approach

## ***Demonstrations***

AI042

RSNA Machine Learning Challenge

AI050

NCI Crowds Cure Cancer: Help Annotate Data from the Cancer Imaging Archive

## ***Posters and Exhibits***

AI001-EC-X (Custom Application Computer Demonstration)  
Virtual Reality of Self-Supervised Generative Adversarial Learning in Electronic Cleansing for CT Colonography

AI002-EC-THB (Thu, 12:45-1:15 PM, Custom Application Computer Demonstration)  
Generative Adversarial Network Models for Prediction of Survival in Patients with Interstitial Lung Diseases

AI003-EC-SUB (Sun, 1:00-1:30 PM, Custom Application Computer Demonstration)  
Content-Based Image Retrieval for Searching Similar Chest CT with Diffuse Interstitial Lung Disease and Chronic Obstructive Lung Disease with Quantitative and CNN Features

AI004-EC-X (Custom Application Computer Demonstration)  
A Radiologist's Guide to Deep Learning and Artificial Intelligence: What You Need to Know for the Road Ahead

AI005-EC-WEA (Wed, 12:15-12:45 PM, Custom Application Computer Demonstration)  
Creating Annotated Image Datasets to Support Deep Learning Training and Validation

AI006-EC-WEA (Wed, 12:15-12:45 PM, Custom Application Computer Demonstration)  
Continuous Improvement of LSTM Deep Learning NLP Algorithm to Predict Post-Procedure Exams for Worklist Prioritization Using API for Retraining and Redeployment

AI007-EC-WEB (Wed, 12:45-1:15 PM, Custom Application Computer Demonstration)  
Learning-Based MR-CT Registration for Guiding Thermal Ablation of Liver Tumors

AI008-EC-WEB (Wed, 12:45-1:15 PM, Custom Application Computer Demonstration)  
RIL-Contour: A Collaborative Medical Imaging Dataset Annotation Tool Designed to Accelerate Dataset Annotation For and With Deep Learning

AI009-EC-THB (Thu, 12:45-1:15 PM, Custom Application Computer Demonstration)  
Common-Space-Learning from Multi-Modality for Missing MRI Synthesis and Glioma Grading

AI010-EC-THA (Thu, 12:15-12:45 PM, Custom Application Computer Demonstration)  
ePAD-AI: A Platform for Standards-Based Collaborative AI Application Development in Medical Imaging

AI011-EB-X (Hardcopy Backboard)  
Metrics for Artificial Intelligence Algorithms

AI012-EB-WEA (Wed, 12:15-12:45 PM, Hardcopy Backboard)  
Unsupervised Anomaly Detection on Medical Images with Generative Adversarial Networks: Strengths and Weaknesses

AI013-EB-X (Hardcopy Backboard)  
Overview of the Content-Based Image Retrieval (CBIR): Technical Advancement and Challenges in Medical Use

AI014-EB-X (Hardcopy Backboard)  
From Images to Analysis, Segmentation, Classification and Radiomics: pyOsirix-Centered Workflow Solutions

AI015-EB-X (Hardcopy Backboard)  
Practical Guide for Deployment of AI Solutions in Clinical Environment: How Did We Do It?

AI016-EB-X (Hardcopy Backboard)  
How to Lie with Statistics: Things to Keep in Mind While Evaluating a Deep Learning Claim

AI017-EB-X (Hardcopy Backboard)  
Building Robust ML Models Using Federated Learning: The Future of AI Deployment

AI018-EB-X (Hardcopy Backboard)  
Why One Algorithm May Not Fit All: What Radiologists Need to Know About How Selection Bias May Affect Machine Learning Performance

AI019-ED-X (Digital Education Exhibit)  
Practical Approaches to Managing Class Imbalance in Deep Learning on Radiological Data

AI020-EB-X (Hardcopy Backboard)  
Generative Adversarial Networks Showcase: Their Mechanisms and Radiological Applications

AI021-EB-X (Hardcopy Backboard)  
How to Improve the Quality of Organ Segmentation on CT Images and Where Could It Be Applicable?

AI022-EB-MOB (Mon, 12:45-1:15 PM, Hardcopy Backboard)  
Dual Output V-Net CNN: A Virtual Iodinated Contrast Media Injection in Chest CT Toward a New Cardiac Risk Assessment

AI023-EB-MOB (Mon, 12:45-1:15 PM, Hardcopy Backboard)  
A Conversational Natural Language Processing (NLP) Model used to Scale Quality Improvement (QI) Processes for Tracking Radiologist Follow-Up Recommendations

AI024-EB-TUB (Tue, 12:45-1:15 PM, Hardcopy Backboard)  
A Filter-Level Pruning Method for More Efficient Deep Learning Inference on Medical Images

AI025-EB-WEA (Wed, 12:15-12:45 PM, Hardcopy Backboard)  
Knowledge Distillation for U-Net on Medical Images

AI102-ED-X (Digital Education Exhibit)  
Dissecting the Artificial Intelligence Black Box: Why, When, and How

AI103-ED-X (Digital Education Exhibit)  
How to Use Data Augmentation to Improve Deep Learning Model Performance

AI106-ED-X (Digital Education Exhibit)  
An Intuitive Explanation of Radiomics

AI108-ED-X (Digital Education Exhibit)  
Neural Networks in Deep Learning: A Simplified Explanation for Radiologists

AI109-ED-X (Digital Education Exhibit)  
A Quick Start to Deep Learning for Radiologists

AI111-ED-X (Digital Education Exhibit)  
Convolutional Neural Networks: Fundamental Theory and Guided Implementation for the Radiologist Using Google Collaboratory

AI113-ED-X (Digital Education Exhibit)  
Convolutional Neural Networks: Challenges and Solutions

AI114-ED-X (Digital Education Exhibit)  
Anatomy of a Deep Learning Project for Breast Cancer Prognosis Prediction: From Collecting Data to Building a Pipeline

AI115-ED-X (Digital Education Exhibit)  
Clinical and Machine Learning Statistics: What the Radiologist Needs to Know

AI116-ED-X (Digital Education Exhibit)  
Artificial Intelligence in Radiology: An Animated Interactive 'How We Do It' Guide for Radiology Residents

AI118-ED-X (Digital Education Exhibit)  
Development of Accuracy Guarantee System using Deep Learning in Radiography

AI119-ED-X (Digital Education Exhibit)  
Radiomics in Clinical Trials - The Rationale, Current Practices, and Future Considerations

AI129-ED-X (Digital Education Exhibit)  
The Subtle Art of Accurate Natural Language Processing for Radiology Report Mining

AI139-ED-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
A Practical Guide to Natural Language Processing for Radiology

AI141-ED-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Practical Guide to Natural Language Processing Research in Radiology

AI145-ED-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Generative Adversarial Networks (GANs): A Primer for Radiologists

AI148-ED-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Computer-Aided Assessment of Catheters and Tubes on Radiographs: How Good is Artificial Intelligence for Assessment?

AI200-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
A Federated Convolutional Denoising Autoencoder for MRI Applications

AI201-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Automatic Prediction of Optimal MRI Protocols Using Encoder-Decoder Model

AI202-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Vulnerability of Deep Learning based Computer-Aided Diagnosis: Experimental Adversarial Attack Against CT Lung Nodule Detection Model

AI205-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Automatic Segmentation of 3D Hip Ultrasound for Detection of Hip Dysplasia

AI207-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Engaging High-Risk Patients to Attend MRI Appointments Using a Scripted Phone Call: A Pilot Trial

AI209-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Repeatability of Machine Learning Classification of Prostate Cancer using Diffusion Weighted Imaging: Short-Term Repeatability Study of 112 Men Who Underwent Two Prostate MR Examinations Before Prostatectomy

AI211-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
CT Image Retrieval Based on Morphological Similarities in Diffuse Lung Diseases Using a Deep Convolutional Neural Network

AI217-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Fully Automatic Deep-Learning System to Select L3 Slice and Measure Abdominal Muscle Area on CT

AI221-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
A Machine Learning Approach of Support Vector Machine for Preoperative Prediction of Lymph Node Status in Intrahepatic Cholangiocarcinoma

AI224-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Comparative Study on the Efficacy of Deep-Learning-Based Detection of Pulmonary Nodules of Different Sizes between Single-Source and Dual-Source Mode

AI225-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Paging Dr. Robot: A Chat Bot With a Machine Learning Algorithm for Predicting Pediatric Bone Age Through Hand-Wrist X-Rays

AI226-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Convolutional Neural Network for Respiratory Motion Artifact Reduction in Multiphasic Liver MRI: Network Architecture and Clinical Evaluation

AI227-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Association Rule Learning May Estimate Individual Risk for Contrast-Induced Acute Kidney Injury

AI230-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Mobile Deployment of a Convolutional Neural Network which Identifies Pacemakers and Implantable Defibrillators on Chest Radiographs

AI233-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Disentangled Feature Representation of Pulmonary Diseases in the Latent Space of Progressive Growing of Generative Adversarial Networks in Chest PA X-Ray Images

AI237-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Optimizing Distributed Deep Learning Methods for Medical Image Data Heterogeneity Across Institutions

AI239-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
An Artificial Intelligence Solution for Detecting Significant Pneumothorax on Chest Radiographs: Experience on a Real-World Dataset and Potential Impact on Turnaround Time at an Academic Tertiary Medical Center

AI241-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Impact of Image Resolution on Deep-Learning Performance for Pneumothorax Identification

AI242-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Sub-Region based Radiomics Analysis for Survival Prediction in Oesophageal Tumors Treated by Definitive Concurrent Chemoradiotherapy

AI250-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Medical Federated Deep Learning (MedFDL) for Automatic Body Part Labeling of CT Scout Images

AI255-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Automatic Detection of Critical Findings in Brain MRI Exams Using Residual Convolutional Neural Networks

AI257-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Transfer Learning Approach to Generalize a State-of-the-Art Prostate Segmentation Model

AI258-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Artificial Intelligence-Assisted Breast Cancer Risk Assessment

AI261-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Getting AI Ready for Deployment: Tuning Algorithms to Specific Sites Using a Single Chest X-Ray Image

AI262-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Determining Brain Age Using Machine Learning Combined with Automated Brain Segmentation and PET imaging In Normal, Alzheimer's Disease and Mild Cognitive Impairment Subjects

AI267-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Deep Learning with Multiclass Deep Convolutional Neural Networks to Detect Prostate Cancer on Multiparametric MRI Images Using a Multi-Institution Patient Cohort

AI269-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
An Interpretable Generative Model for Chest X-Ray Decomposition via Synthesizing Radio-Realistic Normal Chest X-Rays and Separating Abnormalities

AI273-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Automated Quality Control of Adult Frontal Chest X-Ray with Deep Artificial Neural Networks

AI277-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Performance Evaluation of the ABC/2 Method and Deep Learning-Assisted Algorithm in Measuring the Volume of Intraparenchymal Hematoma

# Molecular Imaging

## MI001-EB-X (Hardcopy Backboard)

Role of Imaging in Treatment Response Evaluation of Chimeric Antigen Receptor (CAR) T Cell Therapy in Patients with Diffuse Large B-Cell Lymphoma (DLBCL)

## MI002-EB-X (Hardcopy Backboard)

The Nuclear Radiologist's GPS of the Neck: The Neighborhoods of Lymph Nodes, Spaces, and Anatomical Land Marks by PET/CT and Multiple Imaging Modalities

## MI003-EB-X (Hardcopy Backboard)

Spotlight on Clinical PET/MR: Colorectal Cancer - All You Need to Know

## MI004-EB-X (Hardcopy Backboard)

Demystifying Diffusion-Weighted MR Imaging: From Biophysical Basis to Evolving Imaging Biomarker

## MI005-EB-X (Hardcopy Backboard)

Circulating Tumor DNA (ctDNA) - A Potential Adjunct to FDG-PET Imaging in Cancer Follow Up

## MI006-EB-TUA (Tue, 12:15-12:45 PM, Hardcopy Backboard)

Next Generation Sequencing for the Practicing Radiologist

## MI100-ED-X (Digital Education Exhibit)

Review of Ga-68 Dotatate PET/CT for Neuroendocrine Neoplasms: Atypical Sites of Metastasis and Unusual Findings

## MI101-ED-X (Digital Education Exhibit)

Not All that Glows is Prostate Cancer: False Positives in Ga68 PSMA PET CT for Prostate Cancer Imaging - A Pictorial Review

## MI102-ED-X (Digital Education Exhibit)

3D Stereotactic Surface Projection of 18F-FDG Brain PET Improves Diagnosis of Neurological Disorders

## MI103-ED-X (Digital Education Exhibit)

PET/CT in Multiple Myeloma: An Up-to-Date for Radiologists in Training

## MI104-ED-X (Digital Education Exhibit)

Synthetic MRI: Is that for You? Is that for Everyone?

## MI105-ED-X (Digital Education Exhibit)

Somatostatin Receptor-based Molecular Imaging in Diagnosis of Recurrent Meningioma

## MI106-ED-X (Digital Education Exhibit)

Beyond the Basics: 68Ga-DOTA-TATE PET/CT Pearls and Pitfalls

## MI107-ED-X (Digital Education Exhibit)

Nuclear Medicine and Molecular Imaging in the Era of Theranostics

## MI108-ED-X (Digital Education Exhibit)

Reporter Gene Imaging and Its Potential Role in Drug Development

## MI109-ED-X (Digital Education Exhibit)

Imaging-Guided Precision Medicine in Cancer Patients Treated with Immune Checkpoint Blockers

## MI110-ED-SUA4 (Sun, 12:30-1:00 PM, Station #4)

Molecular Imaging and Theranostics in Pheochromocytoma and Paraganglioma

## MI111-ED-SUB4 (Sun, 1:00-1:30 PM, Station #4)

Peptide Receptor Radionuclide Therapy (PRRT): 2019 Update

## MI112-ED-MOA3 (Mon, 12:15-12:45 PM, Station #3)

Superparamagnetic Iron Oxide Nanoparticles: Applications and Developments in Diagnostics and Therapy

## MI113-ED-MOB3 (Mon, 12:45-1:15 PM, Station #3)

A Beginner's Guide to [177Lu]DOTATATE Peptide Receptor Radionuclide Therapy

## MI200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)

MRI Relaxometry for Tracking Nanoparticle Mediated Ablation Therapy of Colorectal Cancer Liver Metastasis

## MI201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)

Evaluation of Parametrial Infiltration of Cervical Cancer Based on Voxel-based Segmentation in Integrated PET/MR: A Preliminary Study

## MI202-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)

Ultrasound-Mediated Targeted Delivery of Dexamethasone Using Phase-Change Nanodroplets for the Treatment of Rheumatoid Arthritis

## MI203-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)

Relationship between Parameters of Intravoxel Incoherent Motion Diffusion-weighted Imaging with Ki-67 Level in Cervical Cancer

## MI204-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)

Comparison of Metabolic Changes in the Liver with Hepatitis B Virus Infection and Fibrotic Change Using in Vivo Hyperpolarized 13C MR Spectroscopy: A Preliminary Study

MI205-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Effect of Tract Ablation to Reduce Viable Tumor Cell Adhering in the Electrode After Radiofrequency Ablation for Tumor

MI206-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Simultaneous Measurement of Split Renal Glomerular Filtration Rate, Effective Renal Plasma Flow and Regional Quantitative Imaging Using Model Analysis of Dynamic Area Detector CT Images

MI207-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Preliminary Study of Integrin  $\alpha v \beta 3$  targeted USPIO/DiD-PLGA-RGD Nanospheres for Magnetic Resonance and Fluorescence Bimodal Imaging of Gliomas

MI208-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Performance of  $^{18}\text{F}$  Cerenkov Luminescence Detection on General Optical Imaging Devices

MI209-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Simultaneously Calculation of Concentration of Contrast Media, Relaxivity, and Oxygen Extraction Fraction using Quantitative Parameter Mapping

MI210-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
CT-based Radiomic Features as Prognostic Factors in ALK-positive Non-small-cell Lung Cancer

MI211-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
A Multi-site Phantom Study to Quantify Variation of Hypoxic Fraction Measurement with PET

MI212-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
The Slow Component Apparent Diffusion Coefficient (ADC) is Replaced by Washout of the Dynamic Contrast Enhancement (DCE) Study for Prostate Cancer

MI213-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Basic Research on AQP9-MR Molecular Imaging of HCC: The Differential Expression of AQP9 in HCC Tumor Tissues

MI214-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
 $\text{Fe}_3\text{O}_4$ -PolyDOPA-b-Polysarcosine, a T1-Weighted MRI Contrast Agent via Controlled NTA Polymerization

MI215-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Dynamic Contrast-Enhanced Magnetic Resonance Imaging for Monitoring The Anti-angiogenesis Efficacy in a C6 Glioma Rat Model  
Dynamic Contrast-Enhanced Magnetic Resonance Imaging for Monitoring the Anti-Angiogenesis Efficacy in a C6 Glioma Rat Model

MI216-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Longitudinal Analysis of Molecular Imaging Identifies Short Term Recurrence in Glioblastoma Treated with Bevacizumab

MI217-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Radiomics Features as a Predictor of Survival in Patients Affected by Pulmonary Metastatic Melanoma

MI218-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
CT Radiomic Features Predicting Epidermal Growth Factor Receptor Mutation Status of Exon 19 and Exon 21 in Lung Adenocarcinoma

MI219-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Facile Preparation of Near-Infrared Fluorescence and Magnetic Resonance Dual-Modality Imaging Probes Based on Mesoporous Organosilica Nanoparticles

MI220-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
In Vivo Multimodal Imaging and Phototherapy of Triple-Negative Breast Cancer Using a Cathepsin B-Activated Probe

MI221-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
The Use of Near Infrared Radiation Spectroscopy (NIRS) in Reconstructing 3D Oxygenated Dynamic Images as Biomedical Evidence in Monitoring Diabetic Foot

MI222-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
The Value of Multifunctional Caramelized  $\text{Fe}_3\text{O}_4$  Nanospheres in Magnetic Resonance Imaging, MRI, and Photothermal Therapy for Breast Cancer

MI223-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Whole-Body DWI in Lymphoma - First Order Global ADC Histogram Parameters Discriminate Lymphomatous Nodes from Normal Lymph Nodes

MI224-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Can Whole-Body MRI Help to Improve the Assessment of the Bone Scan 'Flare Effect' in Patients with Prostate Bone Metastases?

MI225-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
 $^{18}\text{F}$ -FMISO PET May Be Applicable in The Evaluation of Colorectal Cancer Liver Metastasis

MI226-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Knowing the Unknown-Utility of FDG PET CT in Evaluation of Pyrexia of Unknown Origin-PUO

## Multisystems/Special Interest

MS001-EB-X (Hardcopy Backboard)

Novel Immunotherapeutic Agents: Pictorial Overview of Response Patterns and Side Effects Overview

MS002-EB-X (Hardcopy Backboard)

Images Preparation in Scientific or Education Presentations: An Essential Toolkit for Radiologists

MS003-EB-X (Hardcopy Backboard)

Autoimmune Complications Related to Immune Checkpoints Inhibitors Treatment: What the Radiologists Need to Know

MS004-EB-WEB (Wed, 12:45-1:15 PM, Hardcopy Backboard)

High Resolution Ultrasound of the Face in the Assessment of Cosmetic Fillers: The Role of the Radiologist

MS005-EB-X (Hardcopy Backboard)

The Spectrum of Autoimmune Disease from Head to Toe

MS100-ED-X (Digital Education Exhibit)

A Few Good MEN: A Multimodality Review of Multiple Endocrine Neoplasia

MS101-ED-X (Digital Education Exhibit)

Imaging of Abdominal and Pelvic Infections in the Cancer Patient

MS102-ED-X (Digital Education Exhibit)

Lymphoma: A Multisystem and Multimodality Review

MS103-ED-X (Digital Education Exhibit)

A Multisystemic Pictorial Review of Diabetes Mellitus

MS104-ED-X (Digital Education Exhibit)

Gender Affirmation: Shedding Light Using Shades of Gray

MS105-ED-X (Digital Education Exhibit)

Multisystem and Multimodal Review of Sarcoid: The Master Mimicker

MS106-ED-X (Digital Education Exhibit)

Spectrum of Imaging Findings in Transgender Patients Status Post Vaginoplasty/Phalloplasty: Distinguishing Normal from Abnormal - An Interactive Exhibit

MS107-ED-X (Digital Education Exhibit)

Imaging of NUT Carcinomas: A Pictorial Review

MS108-ED-X (Digital Education Exhibit)

Pathology 101: A Radiologist's Program Guide to Navigating Tumor Board

MS109-ED-X (Digital Education Exhibit)

Multi-Organ Manifestations of IgG4 Related Disease

MS110-ED-X (Digital Education Exhibit)

Radiologic Evaluation of Inguinal and Anterior Abdominal Wall Pathologies

MS111-ED-X (Digital Education Exhibit)

Looking Beneath the Surface - It's Not Just Skin Deep: Radiographic Findings of Melanoma

MS112-ED-X (Digital Education Exhibit)

Schwannoma: Imaging Review from Head to Toe

MS113-ED-X (Digital Education Exhibit)

IgG4 Related Diseases - The Complete Spectrum: What the Radiologist Must Know

MS114-ED-X (Digital Education Exhibit)

Beyond Methotrexate-Associated Lymphoproliferative Disorders in Rheumatoid Arthritis: What the Radiologist Needs to Know

MS115-ED-X (Digital Education Exhibit)

The Lows of Getting High: Radiologic Manifestations of Marijuana Use

MS116-ED-X (Digital Education Exhibit)

Secondary Lymphedema in Oncologic Patients: What Can Non-Contrast Magnetic Resonance Lymphangiography (NCMRL) Tell Us?

MS117-ED-X (Digital Education Exhibit)

Taking out the Trash: Genetic Basis of Lysosomal Storage Disorders and Their Imaging Characteristics

MS118-ED-X (Digital Education Exhibit)

Work-related Musculoskeletal Disorders in Sonography: A Team Approach to Minimize the Impact on Radiology Departments

MS119-ED-X (Digital Education Exhibit)

Establishing Quality and Safety within a 3D Printing Program: A Patient-First Approach

MS120-ED-X (Digital Education Exhibit)

Where are You From? Clues of the Primary Tumor Hidden in the Metastases: Morphology, Function, and Molecules

MS121-ED-X (Digital Education Exhibit)  
Diagnostic Value of the 3D Volume Rendering Imaging in Routine Radiology Practice

MS122-ED-X (Digital Education Exhibit)  
Peritoneal Carcinomatosis Index by CT (PCI CT): Our Experience of 6 Years in a Referral Center of Cytoreduction Surgery and Intraperitoneal Hyperthermic Chemotherapy (CRC + HIPEC)

MS123-ED-X (Digital Education Exhibit)  
Applying Adult Learning Principles to an Online Curriculum about Diagnostic Errors

MS124-ED-X (Digital Education Exhibit)  
Are You a Retroperitoneal Space Expert? Challenging Cases in a Quiz Format

MS125-ED-X (Digital Education Exhibit)  
Dual-Energy CT Evaluation of Medical Devices, Foreign Bodies and Post-Surgical Complications

MS126-ED-X (Digital Education Exhibit)  
Assessing Immunotherapy with Functional and Molecular Imaging and Radiomics: Whence and Wither

MS127-ED-X (Digital Education Exhibit)  
Imaging Biomarkers in Targeted Therapies: From Quantitative Imaging to Radiomics

MS128-ED-X (Digital Education Exhibit)  
Imaging of the Sciatic Foramen: Anatomy Considerations and Pathological Conditions

MS129-ED-X (Digital Education Exhibit)  
Methotrexate-Induced Diseases: An Overview of Clinical Features and Imaging Findings

MS130-ED-X (Digital Education Exhibit)  
Ho-Ho-Holiday Signs in Radiology

MS131-ED-X (Digital Education Exhibit)  
Osteolytic Bone Metastases From Treatment Related Neuroendocrine Prostate Cancer: A Grave Emerging Entity Radiologists Should Identify

MS132-ED-X (Digital Education Exhibit)  
Decoding Genes: Current Update on Radiogenomics of Select Abdominal and Pelvic Malignancies

MS133-ED-X (Digital Education Exhibit)  
Can Superior Visualization CT-Angiography Replace and Overwhelm Conventional Angiography? The Pre-Operative Assessment of Endovascular Treatment with Quarter Millimeter Isotropic Data Sets

MS134-ED-X (Digital Education Exhibit)  
Imaging Features of Atypical Infections in the Setting of Immunomodulation Therapy

MS135-ED-X (Digital Education Exhibit)  
Initial Experience Of Ultra-High-Resolution CT for Visualization of Fine Microstructural Feature

MS136-ED-X (Digital Education Exhibit)  
What Every Radiologist Needs to Know about Neuroendocrine Tumors: From the Past to the Future

MS137-ED-X (Digital Education Exhibit)  
Decoding the Dosimetry Report: What the Radiologist Needs to Know

MS138-ED-X (Digital Education Exhibit)  
Tumors with Intravascular Extension: Imaging Findings and Differential Diagnosis

MS139-ED-X (Digital Education Exhibit)  
12 Angry Men: A Comprehensive Case-based Radiologic Review of Twelve Smoking-Related Cancers and Beyond

MS140-ED-X (Digital Education Exhibit)  
Fine Adjustment of Ultrasound Parameters: Step-by-Step for Beginners

MS141-ED-X (Digital Education Exhibit)  
Immune Related Adverse Events from Immune Checkpoint Inhibitor Cancer Therapy: An Imaging Diagnosis

MS142-ED-X (Digital Education Exhibit)  
Confusion with Cancer Imaging Response Criteria - Measuring Tumor Response: Is it a Response or Not?

MS143-ED-X (Digital Education Exhibit)  
Hemophagocytic Lymphohistiocytosis: What the Radiologist Needs to Know

MS144-ED-X (Digital Education Exhibit)  
Unusual Manifestations and Complications of Hernias: What the Radiologist Needs to Know

MS145-ED-X (Digital Education Exhibit)  
Potential Clinical Applications of the Cinematic Rendering Virtual Topogram

MS146-ED-X (Digital Education Exhibit)  
Multi-Modality Imaging of Infection-Associated Neoplasms: Pathogenesis and Prevention



MS147-ED-X (Digital Education Exhibit)  
Imaging Transgender Patients: A New Normal - Cancers, Screening, and Imaging of Other Neoplastic Conditions

MS148-ED-X (Digital Education Exhibit)  
Imaging Transgender Patients: A New Normal - Manifestations of Gender-Affirming Hormone Therapy

MS149-ED-X (Digital Education Exhibit)  
Alphanumerical Signs in Radiology - Illustrated

MS150-ED-X (Digital Education Exhibit)  
Not Just Fat! Imaging in Abdominal Fat Pathology

MS151-ED-X (Digital Education Exhibit)  
Atypical Presentations and Rare Metastatic Sites of Breast Carcinoma

MS152-ED-X (Digital Education Exhibit)  
Rhabdomyosarcoma: A Rare Neoplastic Entity

MS153-ED-X (Digital Education Exhibit)  
Back to the Basic: Fluoroscopy

MS154-ED-X (Digital Education Exhibit)  
Imaging Spectrum of Abdominal Pelvic Leiomyosarcomas

MS155-ED-X (Digital Education Exhibit)  
Li Fraumeni Syndrome: Genomics, Oncogenesis and Where to Look on Whole-Body Surveillance Imaging

MS156-ED-X (Digital Education Exhibit)  
Cross-Sectional Imaging Spectrum of Fungal and Parasitic Infections of the Abdomen and Pelvis: Common, Rare, and Exotic

MS157-ED-X (Digital Education Exhibit)  
Dual-Energy CT: Pitfalls and Limitations

MS158-ED-X (Digital Education Exhibit)  
Dual-Energy CT: Iodine Behavior, Quantification, and Spectral Curves Explained

MS159-ED-X (Digital Education Exhibit)  
Interesting “-celes” of the Visceral System of the Body: Sealing the Diagnosis with Multimodality Imaging

MS160-ED-X (Digital Education Exhibit)  
Imaging Characteristics of Hamartomas from Head to Toe and Their Differentials

MS161-ED-X (Digital Education Exhibit)  
Diagnosis of Fevers of Unknown Origin (FUO) Based on Guidelines: What Radiologists Should Know

MS162-ED-X (Digital Education Exhibit)  
Hereditary Cancer Predisposition Syndromes

MS163-ED-X (Digital Education Exhibit)  
Imaging Findings in Sexually Transmitted Infections

MS164-ED-X (Digital Education Exhibit)  
Beyond the Nodes: Manifestations of Extranodal Lymphoma in the Abdomen and Pelvis

MS165-ED-X (Digital Education Exhibit)  
The Molecular Subtypes of Pheochromocytoma and Paragangliomas (PPGLs): The Cancer Genome Atlas Transcriptome Data Derived Taxonomic Scheme and 2017 WHO Classification System

MS166-ED-X (Digital Education Exhibit)  
Post Transplant Complications in Solid Organ Transplant Recipients: Imaging Findings

MS167-ED-X (Digital Education Exhibit)  
Cancer Immunotherapy Related Adverse Effects: Emerging Role of Radiologists in Diagnosis and Management

MS168-ED-X (Digital Education Exhibit)  
Current and Future Biomarkers for Immune Checkpoint Inhibitors (ICIs): A Primer for Radiologists

MS169-ED-X (Digital Education Exhibit)  
Cardinal Principles of 3D Hypercube Sequences and Their Emerging Role in Clinical Neuro and MSK Imaging Practice

MS170-ED-X (Digital Education Exhibit)  
Test Your Knowledge on Toxicity of Immune Checkpoint Inhibitors

MS171-ED-X (Digital Education Exhibit)  
Diagnostic and Procedural Intraoperative Ultrasound: Technique, Tips, and Tricks for Optimizing Results

MS172-ED-X (Digital Education Exhibit)  
So You Want to be a Radiology Expert Witness? A Practical and Ethical Guide

MS173-ED-X (Digital Education Exhibit)  
AJCC, NCCN, ASCO, ACR: A Radiologist's Guide to the Oncology Guidelines

MS174-ED-X (Digital Education Exhibit)  
This is Your Body on Drugs

MS175-ED-X (Digital Education Exhibit)  
Cross Over to the Other Side: A Primer of Radiological-Pathological Conference

MS176-ED-X (Digital Education Exhibit)  
Ventriculo-Peritoneal Shunt Complication: What Radiologists Should Know

MS177-ED-X (Digital Education Exhibit)  
Imaging More Than Skin Deep: Radiologic Presentations of Dermatologic Disorders

MS178-ED-X (Digital Education Exhibit)  
Considerations in the Treatment of Hereditary Hemorrhagic Telangiectasia

MS179-ED-X (Digital Education Exhibit)  
Revisiting Hydatid: A Pictorial Essay of Hydatid Disease in Common and Uncommon Locations

MS180-ED-X (Digital Education Exhibit)  
IgG4-Related Disease: The Great Pretender

MS181-ED-X (Digital Education Exhibit)  
Contrast Venous Intravasion in Conventional Studies: Marker of an Underlying Pathology or a Technical Pitfall?

MS182-ED-X (Digital Education Exhibit)  
Dual Energy CT: Technical Background and Applications from Head to Toe

MS183-ED-X (Digital Education Exhibit)  
Paragangliomas Throughout the Body: Hereditary Syndromes and Imaging Features Including 3D Cinematic Rendering

MS184-ED-X (Digital Education Exhibit)  
Breast Cancer Metastasis or Not: That is the Question

MS185-ED-X (Digital Education Exhibit)  
Misplaced Gas - Sinister Finding in Septic Diabetics: A Pictorial Review of Emphysematous Infections

MS186-ED-X (Digital Education Exhibit)  
Spectral Computed Tomography: A Guide for the Novice

MS187-ED-X (Digital Education Exhibit)  
Solitary Fibrous Tumors from Head to Toe: Imaging Features with Pathologic Correlation

MS188-ED-X (Digital Education Exhibit)  
Artificial Intelligence in Diagnostic Imaging: Current Applications and Future Perspective

MS189-ED-X (Digital Education Exhibit)  
Multimodality Imaging of the Human Papillomavirus: What the Radiologist Needs to Know

MS190-ED-X (Digital Education Exhibit)  
Tuberculosis of the Retroperitoneum: A Radiological Kaleidoscope

MS191-ED-X (Digital Education Exhibit)  
Plasmacytomas and Multiple Myeloma: Atypical Manifestations of Abdominal Involvement

MS192-ED-X (Digital Education Exhibit)  
Looking Outside of PACS and into Retirement Planning: Why Every Radiology Resident Should Have a Roth IRA

MS193-ED-X (Digital Education Exhibit)  
Imaging of the Lymphatic System: Current Perspective with Multi-Modality Imaging and New Horizon

MS194-ED-X (Digital Education Exhibit)  
Artificial Intelligence Primer for Beginners: Definitions, Applications, and Simple Explanations in Radiology

MS195-ED-X (Digital Education Exhibit)  
Timeline and Evolution of Imaging Tumor Response Evaluation Criteria

MS196-ED-X (Digital Education Exhibit)  
Dual or No Dual: How to Setup a Successful Abdominal Multi-Energy CT Program

MS197-ED-X (Digital Education Exhibit)  
Multi-Modality Imaging of Cardiothoracic Complications of Intravenous Drug Abuse

MS198-ED-X (Digital Education Exhibit)  
Face-off with Lymphoma: Appearances & Mimics

MS199-ED-X (Digital Education Exhibit)  
Recognizing Artifacts and Pitfalls of Multi-Energy CT

MS200-ED-X (Digital Education Exhibit)  
Understanding the Brand New Old Friends - RECIST 1.1, irRECIST, iRECIST: In Perspective of Clinical Trials of Cancer Immunotherapy

MS201-ED-X (Digital Education Exhibit)  
Imaging Manifestations of Histopathology Proven Lymphoma - An Imaging Review from Head to Toe

MS202-ED-X (Digital Education Exhibit)  
Everything You Must Know About Immunotherapy, but Are too Busy to Look Up: Devote Yourself to it in the Era of Precision Oncology

MS203-ED-X (Digital Education Exhibit)  
Whole Body MRI: A Novel Imaging Technique in the Existing Diagnostic Armamentarium

MS204-ED-X (Digital Education Exhibit)  
Oral Contraceptives-Related Complications: What Every Radiologist Need to Know

MS205-ED-X (Digital Education Exhibit)  
Imaging of Transition: A Comprehensive Pictorial Review of Gender Affirmation Surgeries

MS206-ED-X (Digital Education Exhibit)  
How Important are Imaging Endpoints in the Oncologic Clinical Trials?

MS207-ED-X (Digital Education Exhibit)  
A Resurging Old Problem: Extrapulmonary Tuberculosis

MS208-ED-X (Digital Education Exhibit)  
Imaging Features of Melioidosis

MS209-ED-X (Digital Education Exhibit)  
Secondary Syphilis, "The Great Impostor": Multiorganic Radiological Findings

MS210-ED-X (Digital Education Exhibit)  
It is in Patients Treated with Immune Check Inhibitors: Good, Bad and Ugly

MS211-ED-X (Digital Education Exhibit)  
The Many Faces of Brucellosis: It Could Be Anywhere

MS212-ED-X (Digital Education Exhibit)  
Head-to-Toe Imaging Review of Cosmetic Procedures: Differentiating Expected Appearance from Complications and Emergencies

MS213-ED-X (Digital Education Exhibit)  
Tuberous Sclerosis Complex: A Growing Body of Findings

MS214-ED-X (Digital Education Exhibit)  
MECT Oncologic Applications Impacting Management

MS215-ED-X (Digital Education Exhibit)  
An Assortment from the Radiology Supermarket: A Review of Food Signs in Radiology

MS216-ED-X (Digital Education Exhibit)  
State-of-the-Art Imaging of the Retroperitoneum

MS217-ED-X (Digital Education Exhibit)  
MR Imaging of Iron Overload: Multi-system Imaging Findings and Quantification

MS218-ED-X (Digital Education Exhibit)  
The Myriad Presentations of Tuberculosis: A Disease That Spares No Organ

MS219-ED-X (Digital Education Exhibit)  
Dual-Energy CT in Therapeutic Response Assessment for Oncological and Non-Oncological Disease Entities

MS220-ED-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Side Effects of Molecular Target Drugs and Immune Checkpoint Inhibitors in the Era of Precision Medicine: What Should Radiologists Know?

MS221-ED-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
CT Angiography in Free Flap Breast Reconstruction

MS222-ED-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Scleroderma: What Radiologists Should Know

MS223-ED-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Pictorial Review of Non-Gynecologic Pelvic Pain: Ultrasound First!

MS224-ED-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Parasitic Infestations - Sights and Sites of Parasites: Ultrasound to the Rescue as a First Line Imaging Tool

MS225-ED-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
The Power of Affirmation: A Radiologist's Primer on Gender Affirmation Surgeries and Complications

MS226-ED-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Granulomatous Diseases of the Abdomen and Pelvis

MS227-ED-X (Digital Education Exhibit)  
Gonadal and Extragonadal Teratoma: Clinico-Radiological Feature and Management

MS228-ED-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Contrast Enhanced Ultrasound: An Overview of Technique and Utility

MS229-ED-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Advantages and Pitfalls in the Imaging with Human 7T MRI Scanner

MS230-ED-X (Digital Education Exhibit)  
Erdheim-Chester Disease: A Comprehensive Pictorial Review Using Multimodality Approach

# Musculoskeletal

MK001-EB-X (Hardcopy Backboard)  
Infected or Not? And by What? Challenging Cases of Musculoskeletal Infection Which Were Met During the Multidisciplinary Care Approach

MK002-EB-X (Hardcopy Backboard)  
Imaging of Anterior Cruciate Ligament Reconstruction: Normal Postoperative Appearance and Complications

MK003-EB-X (Hardcopy Backboard)  
Neurologic Pathologies of the Lumbar Spine: What Every Musculoskeletal Radiologist Should Know

MK004-EB-X (Hardcopy Backboard)  
The Subscapularis: All About the Footprint Anatomy Beyond Tendinous Attachment and Variable Mechanisms of Injury with MRI Correlation

MK005-EB-X (Hardcopy Backboard)  
Arthroscopic Surgery of the Wrist: What Radiologists Should Know

MK006-EB-X (Hardcopy Backboard)  
Sports Hernia/Athletic Pubalgia and Beyond: Unravelling Groin Pain in Elite Athletes

MK007-EB-X (Hardcopy Backboard)  
Occult Fractures: A Pictorial Review

MK008-EB-THB (Thu, 12:45-1:15 PM, Hardcopy Backboard)  
Hands Up! Systemic Diseases with Characteristic Imaging Findings in the Hand

MK100-ED-X (Digital Education Exhibit)  
Differentiation of Hand Small Joints Arthropathy in Patients with Rheumatoid Arthritis and Psoriatic Arthritis: Multimodality Imaging Characteristics

MK101-ED-X (Digital Education Exhibit)  
Pectoralis Major Muscle and Tendon Tear Evaluation Using Magnetic Resonance Imaging: Clinically Relevant Points Using a Case-based Approach

MK102-ED-X (Digital Education Exhibit)  
A Radiological Overview of Hip Arthroplasty: Practical Keys in the Assessment of Hip Replacement

MK103-ED-X (Digital Education Exhibit)  
Radiographic Characterization of the Adult Foot Deformity: Angles and Signs Revisited

MK104-ED-X (Digital Education Exhibit)  
Acetabular Fracture Classification Made Easy: The Use of 3D CT and Acetabular App

MK105-ED-X (Digital Education Exhibit)  
Osteomyelitis - A Common Disease with Many Faces

MK106-ED-X (Digital Education Exhibit)  
Meniscus by the Eyes of Ultrasound: Diagnostic and Interventional Role

MK107-ED-X (Digital Education Exhibit)  
Orthopaedic Clinical Examination Signs and What it Means for Radiologists

MK108-ED-X (Digital Education Exhibit)  
The Nuts and Bolts: What the Radiologist Needs to Know about the Imaging Appearance of Orthopedic Procedures

MK109-ED-X (Digital Education Exhibit)  
Anatomy, Biomechanics, Imaging and Pathologies of the Acromioclavicular Joint

MK110-ED-X (Digital Education Exhibit)  
Adult Bone Marrow Disorders

MK111-ED-X (Digital Education Exhibit)  
Dark Lesions of the Talus

MK112-ED-X (Digital Education Exhibit)  
Synovial Disorders: A Radiographic Review

MK113-ED-X (Digital Education Exhibit)  
The Art of Radiology: Can You Diagnose Aunt Minnie in Skeletal Dysplasias?

MK114-ED-X (Digital Education Exhibit)  
DISH, Ankylosing Spondylitis, and Spondyloarthritis: What's the Difference?

MK115-ED-X (Digital Education Exhibit)  
Upper Extremity Stress Injuries: From Common to Unusual

MK116-ED-X (Digital Education Exhibit)  
Practical Approach to Degenerative Spine: What the Surgeons Want to Know

MK117-ED-X (Digital Education Exhibit)  
The Biceps Brachii: What Should it Look Like and How Do We Know When Something is Wrong?

MK118-ED-X (Digital Education Exhibit)  
Current and Emerging Concepts in the Diagnosis and Treatment of Facet Joint Pain

MK119-ED-X (Digital Education Exhibit)  
Traumatic Injuries of the Spine: Surgical or Conservative Management?

MK120-ED-X (Digital Education Exhibit)  
MR Features of the Traumatic Injury of the Triangular Fibrocartilage Complex (TFCC): A Refinement and Supplement to the Palmer Classification

MK121-ED-X (Digital Education Exhibit)  
Ultrasound of the Hamstring Complex - A Primer for the Sports Radiologist

MK122-ED-X (Digital Education Exhibit)  
Stick to the Ribs: Imaging of Traumatic Rib Fractures, Complications, and Mimics

MK123-ED-X (Digital Education Exhibit)  
Chip on Your Shoulder? A Resident's Primer for Understanding Positioning and Relevant Anatomy in Shoulder Radiography

MK124-ED-X (Digital Education Exhibit)  
Tibial Eminence Fractures: Understanding the Meyers and McKeever Classification System

MK125-ED-X (Digital Education Exhibit)  
Stepwise Approach to Arthritis Based on Imaging

MK126-ED-X (Digital Education Exhibit)  
Bone Tumors and Tumor-Like Lesions on CT: A Primer for the Emergency Radiologist

MK127-ED-X (Digital Education Exhibit)  
Extraskelatal Ewing Sarcoma: Sites of Occurrence and Imaging Features

MK128-ED-X (Digital Education Exhibit)  
Dual-Energy CT: Painting the Horizon of Musculoskeletal Imaging

MK129-ED-X (Digital Education Exhibit)  
Musculoskeletal System Involvement by Opportunistic Infections: More Common than Recognized

MK130-ED-X (Digital Education Exhibit)  
Posterolateral Rotatory Instability of the Elbow Joint: What Are the Imaging Features?

MK131-ED-X (Digital Education Exhibit)  
Imaging Findings of Osteomyelitis: Update on Diagnosis

MK132-ED-X (Digital Education Exhibit)  
Conventional Radiology in Peripheral Arthritis: What the Radiologist Needs to Know

MK133-ED-X (Digital Education Exhibit)  
Acute and Chronic Low Back Pain: Update on Diagnosis

MK134-ED-X (Digital Education Exhibit)  
Multiparametric MR Imaging of Soft-Tissue Lesions: A Review

MK135-ED-X (Digital Education Exhibit)  
CT Imaging of the Tendon with Model-based Iterative Reconstruction: Can it be Completely Visualized?

MK136-ED-X (Digital Education Exhibit)  
Multi-Modality Imaging of the Stress Fractures: A Case-based Pictorial Review

MK137-ED-X (Digital Education Exhibit)  
Epiphyseal Lesions: Beyond the Tip of the Iceberg

MK138-ED-X (Digital Education Exhibit)  
Imaging Findings of Septic Arthritis: Update on Diagnosis

MK139-ED-X (Digital Education Exhibit)  
Chronic Distal Radio Ulnar Instability: A New Diagnostic Sign with MR Arthrography

MK140-ED-X (Digital Education Exhibit)  
Glenoid Bone Stock and Version: A Practical Guide for a Radiologist on How to Measure and Why it's Important

MK141-ED-X (Digital Education Exhibit)  
Fats are All Around: Liposarcomas in Usual and Unusual Locations

MK142-ED-X (Digital Education Exhibit)  
Lumbar Spinal Surgery Mishaps: A Pictorial Review

MK143-ED-X (Digital Education Exhibit)  
Coronal Oblique MRI for Optimal Assessment of the Anterior Cruciate Ligament: Not Everything that Matters is the ACL

MK144-ED-X (Digital Education Exhibit)  
Imaging Characteristics of Hibernomas

MK145-ED-X (Digital Education Exhibit)  
Interpreting Expected Periprosthetic Imaging Findings, Complications, and Failure Mimics

MK146-ED-X (Digital Education Exhibit)  
Osteochondromyxoma: "Carney Bone Tumor": What We Know and What We Learned

MK147-ED-X (Digital Education Exhibit)  
Reporting Hand and Wrist Ganglion Cysts: What are the Orthopedists Expecting?

MK148-ED-X (Digital Education Exhibit)  
Ultrasound of the Inguinocrural Region: A Step-by-Step Guide with Emphasis on Anatomical and Surgical Correlations

MK149-ED-X (Digital Education Exhibit)  
Am I/Am I Not a Sarcoma? Pseudosarcomatous Soft Tissue Lesions - Rad-Path Correlation

MK150-ED-X (Digital Education Exhibit)  
Catch It Early, Catch It Safe: Role of Imaging in Avascular Necrosis of Hip

MK151-ED-X (Digital Education Exhibit)  
When the Classic Doesn't Lose Importance: Pitfalls of Bone Tumors in X-Rays

MK152-ED-X (Digital Education Exhibit)  
Growth Plate Injuries Around the Shoulder

MK153-ED-X (Digital Education Exhibit)  
Spondylodiscitis or Type I Discogenic End Plate Changes: A Resident Primer

MK154-ED-X (Digital Education Exhibit)  
Orthopedic Surgical Emergencies: Review for the Radiology Resident on Call

MK155-ED-X (Digital Education Exhibit)  
Foreign Body Multimodality Imaging: New Insights Into Old Challenges

MK156-ED-X (Digital Education Exhibit)  
Imaging Characteristics of Sacral and Presacral Lesions: A Simplified Classification and Approach

MK157-ED-X (Digital Education Exhibit)  
MR Imaging in Complications of Total Knee Arthroplasty

MK158-ED-X (Digital Education Exhibit)  
Way to Approach Wrist Instability: Tips for Radiology Residents

MK159-ED-X (Digital Education Exhibit)  
MR Imaging of the Hip: How to Avoid Common Interpretive Pitfalls

MK160-ED-X (Digital Education Exhibit)  
MRI in Cervical Spine Trauma: What the Spine Surgeon Needs to Know

MK161-ED-X (Digital Education Exhibit)  
Imaging Features of Inflammatory Disorders of the Spine: Update on Diagnosis

MK162-ED-X (Digital Education Exhibit)  
Demystifying the Lateral Radiographs of the Adult Hip

MK163-ED-X (Digital Education Exhibit)  
IgG4-Related Spine Involvement - What We Know and What We Learned

MK164-ED-X (Digital Education Exhibit)  
Mineralized Extraarticular Soft-Tissue Tumors and Tumorlike Lesions: A Challenging Radiologic Diagnosis

MK165-ED-X (Digital Education Exhibit)  
MR Imaging of Glomangioma - Usual and Unusual: It's Not Just the Diagnosis of Fingertip

MK166-ED-X (Digital Education Exhibit)  
Malignant Soft Tissue Sarcomas: Imaging Spectrum with Histopathological Correlation

MK167-ED-X (Digital Education Exhibit)  
Shoulder Arthroplasties and their Complications: What the Radiologist Should Know

MK168-ED-X (Digital Education Exhibit)  
Ultrasound Evaluation of the Hand and Wrist in the Acute Setting

MK169-ED-X (Digital Education Exhibit)  
Yes, I Can Look Alike: Extra-Axial Tubercular Arthropathies and Its Mimics

MK170-ED-X (Digital Education Exhibit)  
Imaging of Giant Cell Tumor Treated with Denosumab

MK171-ED-X (Digital Education Exhibit)  
Holes, Lumps, and Bumps of the Calvarium

MK172-ED-X (Digital Education Exhibit)  
Soft Tissue Sarcomas: Radiopathologic Correlation

MK173-ED-X (Digital Education Exhibit)  
Ultrasound Evaluation of Soft Tissues Masses: Forget the MRI!

MK174-ED-X (Digital Education Exhibit)  
Keep Track of the Moving Parts: Dynamic Ultrasound of Musculoskeletal Pathology

MK175-ED-X (Digital Education Exhibit)  
Differential Diagnosis of T2 Hypointense Lesions in Musculoskeletal MRI

MK176-ED-X (Digital Education Exhibit)  
Update on the Role of Imaging in Recent Guidelines for Multiple Myeloma Management

MK177-ED-X (Digital Education Exhibit)  
It's All in the Wrist: The Classification, Repair, and Postoperative Appearance of Intrinsic Wrist Ligament Tears

MK178-ED-X (Digital Education Exhibit)  
Sesamoid Fractures: An Overlooked Cause of Pain

MK179-ED-X (Digital Education Exhibit)  
Lumbar Spine MRI: A Resident's Primer for Common and Uncommon Causes of Lumbar Pain

MK180-ED-X (Digital Education Exhibit)  
'Yes, I Can Read Your Marrow': Physiological and Pathological Pattern of Bone Marrow Changes

MK181-ED-X (Digital Education Exhibit)  
Imaging of Rib Stress Fractures in Collegiate Athletes

MK182-ED-X (Digital Education Exhibit)  
Myositis Ossificans: Multimodality Imaging Keys for the General Radiologist

MK183-ED-X (Digital Education Exhibit)  
The Role of Image in Bone Tumors with Chondroid Matrix: A Pictorial Review with Pathological Correlation

MK184-ED-X (Digital Education Exhibit)  
Incidentally Speaking: Incidental but Important Extraskelatal Findings on Routine Musculoskeletal Imaging

MK185-ED-X (Digital Education Exhibit)  
Tumors and Tumor-Like Lesions of the Foot and Ankle: That You Should Remember in the Imaging Techniques

MK186-ED-X (Digital Education Exhibit)  
Total Knee Prosthesis Structured Reporting: How To Do It

MK187-ED-X (Digital Education Exhibit)  
A Practical Guide to Interpret MRI Features of New Bone Formation in Axial Spondyloarthritis

MK188-ED-X (Digital Education Exhibit)  
Glenoid Bony Morphology Prior to Shoulder Arthroplasty: What the Surgeon Wants to Know and Why

MK189-ED-X (Digital Education Exhibit)  
Artifacts in Musculoskeletal Magnetic Resonance Imaging (MRI)

MK190-ED-X (Digital Education Exhibit)  
Measurements and Assessment of the Hip and the Lower Limbs from Youth to Old Age - What Every Resident Should Know

MK191-ED-X (Digital Education Exhibit)  
FDG-avid Benign Musculoskeletal Processes on PET/CT: An Imaging Review

MK192-ED-X (Digital Education Exhibit)  
Only the Wearer Knows Where the Shoe Pinches: Essential of Metatarsalgia

MK193-ED-X (Digital Education Exhibit)  
The Spinopelvic Relationship Made Simple: What The Hip Arthroplasty Surgeon Wants to Know to Prevent Instability in High-Risk Patients

MK194-ED-X (Digital Education Exhibit)  
'Straight from the Shoulder': A Bare Bones Approach to Shoulder Instability

MK195-ED-X (Digital Education Exhibit)  
Adult Spinal Deformity: Demystifying the Sagittal Curves and Parameters

MK196-ED-X (Digital Education Exhibit)  
What Sport Did That? Review of Radiological Diagnosis Involving Sports Names

MK197-ED-X (Digital Education Exhibit)  
Pre-Surgical Radiographic Evaluation of Adult Spinal Deformity: A Current Review

MK198-ED-X (Digital Education Exhibit)  
Imaging of Spinal Accessory Nerve Injury

MK199-ED-X (Digital Education Exhibit)  
Stress MRI of Lumbar Spine: Does it Help?

MK200-ED-X (Digital Education Exhibit)  
Imaging Features of Intravascular Papillary Endothelial Hyperplasia (Masson's Tumor) - Pathologic Correlation and Differential Diagnosis

MK201-ED-X (Digital Education Exhibit)  
Advantages and Disadvantages of Compression and Shear-Wave Elastography in the Assessment of Musculoskeletal Soft Tissue Tumors

MK202-ED-X (Digital Education Exhibit)  
Elbow US: When Can Its Diagnostic Reliability Be Equal to MRI?

MK203-ED-X (Digital Education Exhibit)  
Can Peri-Implant Lucency be Normal In Hip Arthroplasties?

MK204-ED-X (Digital Education Exhibit)  
Is Metallosis and Trunnionosis Around Hip Arthroplasty Implants the Same?

MK205-ED-X (Digital Education Exhibit)  
Go the Extra Mile: Avulsion Fractures of Knee

MK206-ED-X (Digital Education Exhibit)  
Comparison of Radial Plane MRI and Arthroscopic Findings in Glenoid Labral Tear: Possibility of Non-Contrast Radial Plane T2-Weighted Image

MK207-ED-X (Digital Education Exhibit)  
For Every Bone Aggression, There is a Periosteal Reaction

MK208-ED-X (Digital Education Exhibit)  
US of the Knee: When Can Its Diagnostic Reliability be Equal to MRI?

MK209-ED-X (Digital Education Exhibit)  
Update on Knowledges and MRI Scan Techniques for Diagnosing Injury of Ankle Ligaments

MK210-ED-X (Digital Education Exhibit)  
The Achilles Tendon Pathologies: Case-based Pictorial Review

MK211-ED-X (Digital Education Exhibit)  
Fluoroscopically Guided Facet Joint Steroid Injection-Related Adverse Events: What the Spine Intervention Radiologist Need to be Concerned

MK212-ED-X (Digital Education Exhibit)  
An Approach to Diffuse Marrow Signal Abnormalities: Interactive Guide

MK213-ED-X (Digital Education Exhibit)  
Review of Rib Lesions: A Case-based Approach

MK214-ED-X (Digital Education Exhibit)  
Computed Tomography Evaluation of Imaging Findings of Fibrodysplasia Ossificans Progressiva (FOP)

MK215-ED-X (Digital Education Exhibit)  
Imaging of Systemic Lupus Erythematosus: Musculoskeletal Manifestations

MK216-ED-X (Digital Education Exhibit)  
Avoid Getting Rocked by Heavy Metal: A Practical Guide of Radiological Findings After Arthroplasties

MK217-ED-X (Digital Education Exhibit)  
Imaging Features of Chronic Kidney Disease Mineral and Bone Disorders (CKD-MBD)

MK218-ED-X (Digital Education Exhibit)  
The Fist Bump: Evaluation and Review of Hand Nodules with Ultrasound

MK219-ED-X (Digital Education Exhibit)  
Imaging Pitfalls Unique to the Developing Pediatric Ankle

MK220-ED-X (Digital Education Exhibit)  
Knee MRI in the Pediatric Population: What Your Resident Should Know

MK221-ED-X (Digital Education Exhibit)  
MRI of the Wrist: Top 20 Diagnosis - A Primer for Residents

MK222-ED-X (Digital Education Exhibit)  
Beauty and the Botched: Sonographic and MR Findings of Cosmetic Injections Gone Wrong

MK223-ED-X (Digital Education Exhibit)  
Diagnostic Imaging in QSS: Challenges in Definitive Diagnosis

MK224-ED-X (Digital Education Exhibit)  
Difficult Water Imaging? An Easy and Practical Guide of Diffusion-Weighted Imaging for Radiologists

MK225-ED-X (Digital Education Exhibit)  
The Ill Iliopsoas: A Review of Iliopsoas Compartment Anatomy and Pathology

MK226-ED-X (Digital Education Exhibit)  
Don't Look the Other Way: Incidental Musculoskeletal Findings on CT and MRI Examinations

MK227-ED-X (Digital Education Exhibit)  
Tribute to the Coronal: The Importance of this Additional Sequence in the Resonance of Lumbar Spine

MK228-ED-X (Digital Education Exhibit)  
POPP Lesions: From Unrecognized to an Emerging Popping-up Entity in Auto-immune Arthritis

MK229-ED-X (Digital Education Exhibit)  
The Diabetic Foot: Soft Tissue and Osseous Changes and the Role of the Radiologist in Determining Management



MK230-ED-X (Digital Education Exhibit)  
The Orthopedic Approach to Radiographic Evaluation of Acetabular Fractures

MK231-ED-X (Digital Education Exhibit)  
Affections of the Hip Joint Capsule

MK232-ED-X (Digital Education Exhibit)  
Musculoskeletal Tuberculosis: A Practical Guide for Residents

MK233-ED-X (Digital Education Exhibit)  
Keep It Moving: Spondylosis and Posterior Spinal Motion Preserving Surgeries

MK234-ED-X (Digital Education Exhibit)  
Pediatric Soft Tissue Tumors and Tumor-Like Conditions: Focused Imaging Overview with Pathologic Correlation

MK235-ED-X (Digital Education Exhibit)  
Chronic Nonbacterial Osteomyelitis: The Role of Whole-Body MRI

MK236-ED-X (Digital Education Exhibit)  
“Why Is It Hot?”: Recognizing Benign Osseous Findings that Can Have Uptake on Nuclear Medicine Exams

MK237-ED-X (Digital Education Exhibit)  
The Postoperative Spine: A Basic Understanding of Spine Surgical Procedures

MK238-ED-X (Digital Education Exhibit)  
How to Differentiate Malignant from Benign Vertebral Fractures?

MK239-ED-X (Digital Education Exhibit)  
Normal Anatomy and Traumatic Lesions Secondary to the Sprain of the Midtarsal Articular Complex (Chopart): MRI Findings

MK240-ED-X (Digital Education Exhibit)  
Unstable Shoulders: Radiologic Review of Shoulder Labral Tears

MK241-ED-X (Digital Education Exhibit)  
Guidebook for Upper and Lower Extremities Fractures Classifications

MK242-ED-X (Digital Education Exhibit)  
Kick off at Your Own Risk! Case-based Review of Pediatric Sports Injuries of the Lower Extremity

MK243-ED-X (Digital Education Exhibit)  
Deciphering Surface Bone Lesions

MK244-ED-X (Digital Education Exhibit)  
Get the 411 on NF1: Musculoskeletal Findings in Patients with Neurofibromatosis Type I

MK245-ED-X (Digital Education Exhibit)  
Beyond ‘Prosthesis in Situ’ - A Radiological Review of Normal Appearances and Complications of Orthopaedic Implants

MK246-ED-X (Digital Education Exhibit)  
Anterolateral Ligament of the Knee - Anatomical Review, Major Injuries, and Clinical Importance

MK247-ED-X (Digital Education Exhibit)  
Imaging Evaluation of Inferior Extremities Fractures: Correlation between Dual Energy Computed Tomography and Magnetic Resonance in Bone Marrow Edema Detection

MK248-ED-X (Digital Education Exhibit)  
Stop Hiding Behind Impression: Complex Acetabular Fracture as Above

MK249-ED-X (Digital Education Exhibit)  
Iliotibial Tract Anatomy: Functions and Its Pathologies

MK250-ED-X (Digital Education Exhibit)  
Death is Not in the Air: Imaging Review of Necrotizing Fasciitis (NF)

MK252-ED-X (Digital Education Exhibit)  
Are You Scared of Jaws? A Simple MRI and CT Review of the Temporomandibular Joint

MK254-ED-X (Digital Education Exhibit)  
What Every Radiologist Should Know about Assessing Lower Limb Length Discrepancy

MK255-ED-X (Digital Education Exhibit)  
Problem Solved: Integral Applications of Musculoskeletal Sonography

MK256-ED-X (Digital Education Exhibit)  
Skeletal Involvement in Gaucher’s Disease: From Macrophage to Bone

MK257-ED-X (Digital Education Exhibit)  
Imaging the ‘Forgotten’ Sternoclavicular Joint: Pathology, Pitfalls, and Pearls

MK258-ED-X (Digital Education Exhibit)  
Radiologists as Detectives: Demystifying the Mystery of the Primary Bone Tumor - Is it Benign or Malignant? Using Radiographs

MK259-ED-X (Digital Education Exhibit)  
A Comprehensive Review of Diabetic Foot Complications

MK260-ED-X (Digital Education Exhibit)  
Image of Musculoskeletal Fungal Infections: Educational Review Based on Cases

MK261-ED-X (Digital Education Exhibit)  
Anatomical Variation in the Ankle and Foot: Potential Inductors of Pathology

MK262-ED-X (Digital Education Exhibit)  
Multimodality Imaging Evaluation of Musculoskeletal Chest Pain

MK263-ED-X (Digital Education Exhibit)  
Common Metallic Orthopedic Hardware Found on Knee X-Rays: What the Radiologist Needs to Know

MK264-ED-X (Digital Education Exhibit)  
'Watch Your Step': Ankle Ligament Injuries - Understanding the Biomechanics of Trauma Until the Surgery

MK265-ED-X (Digital Education Exhibit)  
Ultrasound of the Post-Operative Rotator Cuff: A Minefield of Artifacts with Nuggets of Gold

MK266-ED-X (Digital Education Exhibit)  
Unexpected Imaging Findings on Bone Densitometry: Why the Radiologist Needs to Be Ever Observant

MK267-ED-X (Digital Education Exhibit)  
Lending a Hand: Ultrasound Evaluation of Hand and Wrist Pathology

MK268-ED-X (Digital Education Exhibit)  
Sternoclavicular Joint Pathologies

MK269-ED-X (Digital Education Exhibit)  
Handbook of 3D Printing for Tibial Plateau Fracture Sequelae Surgery

MK270-ED-X (Digital Education Exhibit)  
Imaging of Synovial Pathologies: Lumps and Bumps of the Knee

MK271-ED-X (Digital Education Exhibit)  
The Magnet is Sometimes "Off" - Practical Strategies for Optimizing Challenging Musculoskeletal MR Imaging

MK272-ED-X (Digital Education Exhibit)  
Utility of CT Dual Energy in the Musculoskeletal System: Current Applications

MK273-ED-X (Digital Education Exhibit)  
Gamuts in Advanced MRI for Soft Tissue Lesions Assessment: The Added Value of Functional Imaging

MK274-ED-X (Digital Education Exhibit)  
Tibial Plateau Fractures Beyond Schatzker: What the Surgeon Wants to Know

MK275-ED-X (Digital Education Exhibit)  
Current MR Imaging Assessment of the Knee after Anterior Cruciate Ligament Reconstruction in Adults

MK276-ED-X (Digital Education Exhibit)  
Typical and Atypical Musculoskeletal Findings in the Abdominal Radiologist Practice: A Pearl Guide

MK277-ED-X (Digital Education Exhibit)  
Radiographic Findings of Complications that Result in Prosthesis Failure Following Total Knee Arthroplasty

MK278-ED-X (Digital Education Exhibit)  
Fibro-osseous Tumors of Bone and Their Mimickers: Clinical, Imaging, and Pathologic Features

MK279-ED-X (Digital Education Exhibit)  
Metaphyseal Lesions - How Well Do You Know It? Take a Quiz!

MK280-ED-X (Digital Education Exhibit)  
Ultrasound Evaluation of the Painful and Swollen Leg: Please Think Beyond Deep Vein Thrombosis or Baker's Cyst!

MK281-ED-X (Digital Education Exhibit)  
Sacral Osteoarticular Lesions: What the Radiologist Should Know

MK282-ED-X (Digital Education Exhibit)  
An Open and Closed Book Review of Skeletal Tumors of the Pelvis

MK283-ED-X (Digital Education Exhibit)  
Snap to It: Imaging Review of Snapping Tendons

MK284-ED-X (Digital Education Exhibit)  
Spinal Procedures: Standardization of the Approach Way

MK285-ED-X (Digital Education Exhibit)  
Value-Added 'Opportunistic' CT: State-of-the-Art Insights into Bone, Muscle, and Fat

MK286-ED-X (Digital Education Exhibit)  
Ultrashort Echo Time (UTE) Imaging: Review of Technique and Musculoskeletal Applications with Examples of Utility in the Knee

MK287-ED-X (Digital Education Exhibit)  
The Ulnar Styloid: Cornerstone of the Wrist

MK288-ED-X (Digital Education Exhibit)  
Are Enough Capsular Variants in the Shoulder? A Review  
and Current Concepts

MK289-ED-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Dynamic MR Imaging of Thoracic Outlet Syndrome -  
Imaging Protocol and Pictorial Review of Various Etiologies

MK290-ED-SUA12 (Sun, 12:30-1:00 PM, Station #12)  
What the Radiologist Needs to Know About Posterior  
Tibial Tendon Dysfunction and How to Help the Orthopedic  
Surgeons

MK291-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Postsurgical Imaging of the ACL: Everything You Always  
Wanted to Know But Were Afraid to Ask

MK292-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Metabolic and Endocrine Bone Disorders and Conditions: A  
Current, Comprehensive Review

MK293-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
An Educational Approach to Dynamic Contrast-Enhanced  
MRI Techniques for Arthritis Assessment

MK294-ED-SUA9 (Sun, 12:30-1:00 PM, Station #9)  
Ultrasound Features of Sport-related Muscle Injuries of the  
Lower Limb

MK295-ED-X (Digital Education Exhibit)  
Acromioclavicular Joint and Distal Clavicular Third:  
Multimodality Approach, Treatment, and Complications

MK296-ED-X (Digital Education Exhibit)  
Fast Musculoskeletal MRI: What the Radiologist Needs to Know

MK297-ED-SUB10 (Sun, 1:00-1:30 PM, Station #10)  
MR Neurography Applied to Carpal Tunnel Release Surgery:  
How to Interpret and Surgical Implications

MK298-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Musculoskeletal Manifestations of HIV Infection: A Pictorial  
Review

MK299-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Easier To Catch Than A "Can Of Corn": MRI and MRI  
Arthrogram of Shoulder Injuries in the Throwing Athlete

MK300-ED-SUB8 (Sun, 1:00-1:30 PM, Station #8)  
Traumatic Thoracolumbar Spine Injuries: How to Help the  
Spine Surgeon

MK301-ED-SUB9 (Sun, 1:00-1:30 PM, Station #9)  
Make No Bones About - Quiz Based, Imaging Of Vertebral  
Bone Tumors

MK302-ED-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
Ultrasound-Guided Therapeutic Interventions for Pelvic  
Neuropathy

MK303-ED-MOA9 (Mon, 12:15-12:45 PM, Station #9)  
Bursa, Bursa, Bursa: Interventional Tactics and Tips for  
Radiologists

MK304-ED-MOA10 (Mon, 12:15-12:45 PM, Station #10)  
Diffusion Tensor Imaging Application as a Prognostic  
Biomarker in Carpal Tunnel Syndrome after Decompression  
Surgery

MK305-ED-MOA11 (Mon, 12:15-12:45 PM, Station #11)  
Don't Forget the Patella: CT and MRI Imaging Spectrum of  
Patellar Injuries

MK306-ED-MOA12 (Mon, 12:15-12:45 PM, Station #12)  
Fascia Disorders Around the Body

MK307-ED-SUA10 (Sun, 12:30-1:00 PM, Station #10)  
Through Thick and Thin: Periosteal Reactions and Their  
Underlying Etiology

MK308-ED-SUA11 (Sun, 12:30-1:00 PM, Station #11)  
Osteochondral Lesions of the Talar Dome: An Up-To-Date  
Approach on Multimodality Imaging and Surgical Techniques

MK309-ED-MOB9 (Mon, 12:45-1:15 PM, Station #9)  
Interventional Musculoskeletal Ultrasound Techniques: A  
Review

MK310-ED-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
Ultrasound MSK Guided Intervention: Tips and Tricks

MK311-ED-MOB10 (Mon, 12:45-1:15 PM, Station #10)  
Ultrasound Guided Perineural Injections for the Diagnosis  
and Treatment of Chronic Pelvic Pain

MK312-ED-MOB11 (Mon, 12:45-1:15 PM, Station #11)  
You're Getting on My Nerves: A Review of Current and  
Future Applications of DTI Tractography of the Central and  
Peripheral Nervous System

MK313-ED-MOB12 (Mon, 12:45-1:15 PM, Station #12)  
Juvenile Osteochondritis Dissecans Versus Normal Variants  
of Ossification in the Knee in Children: Key Points to  
Correct Assessment

**MK314-ED-SUB11 (Sun, 1:00-1:30 PM, Station #11)**  
Nothing Wrecks Us Like the Plexus! Lumbosacral Plexus:  
Anatomic Review with Challenging Cases

**MK315-ED-TUA8 (Tue, 12:15-12:45 PM, Station #8)**  
Patell-It Like It Is: A Multimodality Image-Based Guide of  
Patellofemoral Disorders for Radiologists

**MK316-ED-TUA9 (Tue, 12:15-12:45 PM, Station #9)**  
Clinical Applications of Dual Energy Computed Tomography  
in Musculoskeletal Imaging: Detection of Gout, Bone Marrow  
Edema, and Application in Skeletal Surveys

**MK317-ED-TUA10 (Tue, 12:15-12:45 PM, Station #10)**  
Ultrasound (US) Imaging of Rectus Abdominis Muscles  
Diastasis: Methodology, Findings, and Practical Role

**MK318-ED-TUA11 (Tue, 12:15-12:45 PM, Station #11)**  
Dual-Energy CT for Bone Marrow Imaging: "How To Do It"

**MK319-ED-WEB11 (Wed, 12:45-1:15 PM, Station #11)**  
Not All 'Green' is Tophi - Focusing on the False Negatives  
and False Positives of DECT for Diagnosis of Gout

**MK320-ED-SUB12 (Sun, 1:00-1:30 PM, Station #12)**  
An Overview of Post-Operative Anterolateral Ligament  
Reconstruction

**MK321-ED-TUB8 (Tue, 12:45-1:15 PM, Station #8)**  
Walking on Pebbles: Beyond Morton's Neuroma

**MK322-ED-X (Digital Education Exhibit)**  
A Radiologist's Guide to Musculoskeletal Measurements in  
Adults

**MK323-ED-TUB9 (Tue, 12:45-1:15 PM, Station #9)**  
Radiographic Measurements and Angles of the Ankle and  
Foot: What Every Radiologist Should Know

**MK324-ED-TUB10 (Tue, 12:45-1:15 PM, Station #10)**  
Strategies to Upgrade your MSK MRI: Back to Basic  
Physics, Made Easy

**MK325-ED-TUB12 (Tue, 12:45-1:15 PM, Station #12)**  
MR Imaging of Peripheral Neuropathy: From Infectious to  
Compressive Causes

**MK326-ED-TUB11 (Tue, 12:45-1:15 PM, Station #11)**  
Pediatric Bone Tumors and Mimickers: Focused Imaging  
Overview with Pathologic Correlation

**MK327-ED-WEA10 (Wed, 12:15-12:45 PM, Station #10)**  
Put Your Shoulder Into It (and Elbow And Wrist For That  
Matter): Ultrasound-Guided Procedures of the Upper Extremity

**MK328-ED-WEA11 (Wed, 12:15-12:45 PM, Station #11)**  
Most Common MRI Findings of Muscle Sport Injuries in  
Professional Football Players: A Pictorial Review

**MK329-ED-WEA12 (Wed, 12:15-12:45 PM, Station #12)**  
Common and Uncommon Complications of Reverse Total  
Shoulder Arthroplasty: Pictorial Review and Review of the  
Literature

**MK330-ED-WEA7 (Wed, 12:15-12:45 PM, Station #7)**  
Demystifying Sacral Masses: Imaging Findings, Rad-Path  
Correlation, and Biopsy Techniques

**MK331-ED-WEA8 (Wed, 12:15-12:45 PM, Station #8)**  
High Resolution Ultrasonography (US) of the Elbow  
Demonstrating Standard Technique and Its Variations with  
Emphasis on Detailed Evaluation of Ligaments, Tendons,  
and Nerves

**MK332-ED-WEA9 (Wed, 12:15-12:45 PM, Station #9)**  
Articular Cartilage Injury of the Knee Reporting and Data  
System (ACIK-RADS): A New Proposal for the Report of  
Cartilage Injury in the Knee by MRI

**MK333-ED-X (Digital Education Exhibit)**  
Patellofemoral Instability? What the Surgeon Wants to Know

**MK334-ED-WEB8 (Wed, 12:45-1:15 PM, Station #8)**  
Carpal Injury from a Fall on the Outstretched Hand

**MK335-ED-WEB9 (Wed, 12:45-1:15 PM, Station #9)**  
Recent Update on Whole Body MRI for Musculoskeletal  
Imaging

**MK336-ED-WEB10 (Wed, 12:45-1:15 PM, Station #10)**  
Soft Tissue Masses of the Forefoot: A Case Based  
Approach

**MK337-ED-WEB7 (Wed, 12:45-1:15 PM, Station #7)**  
Muscle MRI in Neuromuscular Disorders

**MK338-ED-THA10 (Thu, 12:15-12:45 PM, Station #10)**  
Gluteal Pathology in the Kardashian Era: An Imaging Review

**MK339-ED-THA9 (Thu, 12:15-12:45 PM, Station #9)**  
Beyond Muscles and Bones: Significant Vascular Findings  
on Routine Musculoskeletal Imaging

**MK340-ED-THA11 (Thu, 12:15-12:45 PM, Station #11)**  
Anatomy of Bone Nutrient Vessels Related to Avascular  
Necrosis

**MK341-ED-THA7 (Thu, 12:15-12:45 PM, Station #7)**  
Meniscal Ramp Lesion: A Hidden Injury and Its Importance

MK342-ED-THA8 (Thu, 12:15-12:45 PM, Station #8)  
Dancing Feet: Biomechanism and Imaging Findings of Foot and Ankle Musculoskeletal Injuries in Dancers

MK343-ED-THB10 (Thu, 12:45-1:15 PM, Station #10)  
Piriformis Muscle Variants: Not Always the Culprit!

MK344-ED-THB9 (Thu, 12:45-1:15 PM, Station #9)  
Elusive Complications in Hip Arthroplasty - Dare to Spot It: Imaging Features of Uncommon Postoperative Complications

MK345-ED-THB11 (Thu, 12:45-1:15 PM, Station #11)  
Spaces and Interfaces: An Approach to Tendon Pathology in MR Imaging of the Hand and Wrist

MK346-ED-THB7 (Thu, 12:45-1:15 PM, Station #7)  
Bone Injury Patterns and Pseudofractures of the Knee: Are You Familiar with Them?

MK347-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
Left Foot, Right Foot, Feet, Feet, Feet: Imaging Evaluation of Ankle and Foot Instrumentation and Reconstruction

MK348-ED-X (Digital Education Exhibit)  
Ankle Ultrasound: A Primer for Radiology Residents

MK348-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Comparison of the Clinical Value of Two MR Metal Artifact Reduction Sequences in Patients with Malignant Bone Tumor after Joint Replacement

MK349-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Is the Bone Mineral Density of Necrotic Area Decreased in Pre-collapse Osteonecrosis of the Femoral Head? A Propensity-Matched Study Using CT Hounsfield Unit Values

MK350-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
3D Shape Analysis of the Supraspinatus Muscle in Rotator Cuff Tear Patients

MK351-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Physician Image Ordering Variability for Low Back Pain in a Single Healthcare System

MK352-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
An Updated Classification of A Normal Manubriosternal Junction: A Human Cadaveric Study Correlating Magnetic Resonance Imaging and Computed Tomography

MK353-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Diagnostic Value of Axial Computed Tomography Images for Distal Tibiofibular Syndesmosis Injury

MK354-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Feasibility of Isotropic MAVRIC-SL with Spectral Bin Modulation for Metal Artifact Reduction at 3T MRI

MK355-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
MRI Texture Analysis of Synovial Fluid as a Predictive Biomarker for Synovitis and OA Severity

MK356-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Talar Osteochondral Lesion of the Ankle: A Meta-Analysis of Diagnostic Performance of Magnetic Resonance Imaging

MK357-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
CT-Guided Core Needle Bone Biopsy in the Workup of Non-Spinal Osteomyelitis: Is it Necessary for Diagnosis and Treatment?

MK358-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
"Salt and Pepper" Sign on Fat Fraction Map by IDEAL-IQ: Useful MR Sign for Differentiating Bone Islands from Osteoblastic Metastases

MK359-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Septic Arthritis in Shoulder: Diagnostic Clues on Indirect MR Arthrography

MK360-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Benign Bone Tumors Percutaneous Treatment: There is Life Beyond Osteoid Osteoma

MK361-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Increased Bone Marrow Density on Unenhanced CT in Patients with Acute Myeloid Leukemia

MK362-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
The Efficacy of Ultrasound-Guided Suprascapular Nerve Radiofrequency Ablation in the Treatment of Chronic Shoulder Pain

MK363-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Diagnostic Value of Dual-Energy CT Virtual Non-Calcification for Occult Fracture of Knee Joint

MK364-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Quantitatively Whole Knee Cartilage Assessment in Vivo Using Ultrashort Echo Time Magnetization Transfer (UTE-MT) MRI

MK365-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Just a Coincidence? Magnetic Resonance Imaging Analysis of Kaplan Fiber Injury in the Setting of Acute Anterior Cruciate Ligament Tear

MK366-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Virtual Magnetic Resonance Lumbar Spine Images  
Generated from Computed Tomography Images Using  
Conditional Generative Adversarial Networks

MK367-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Evaluation of Articular Cartilage of the Glenohumeral Joint  
in Patients with Labral Injury Using T2 Mapping Technique:  
Relationship between Labral Tear Location and T2 Mapping  
Value: Evaluation of Articular Cartilage of the Glenohumeral  
Joint (GHJ)

MK368-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Radiomics and Machine Learning May Accurately  
Preoperatively Be Predicting the Histopathological Grades  
of Soft Tissue Sarcomas Based on Multiparametric MRI

MK369-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Correlation Between Thoracic Vertebral Bone Strength and  
Quantitative Lung CT Assessment in Chronic Obstructive  
Pulmonary Disease Patient

MK370-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Chondral Lesions of the Wrist: A Meta-Analysis Comparing  
Performance of MRI, MRA and CTA

MK371-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Skeletal Muscle, Visceral and Subcutaneous Fat Area  
Measurements Inter-Reader Variability Assessment

MK372-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Detecting Mild Fatigue of Lower-Limb Skeletal Muscle Using  
Stimulated Echo in Q-Space Imaging

MK373-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Evaluation of Clinical Assessments and MRI Findings  
that Suggest Surgical Treatment for Patients with Medial  
Epicondylitis: A Retrospective Study in a Single Institution

MK374-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Brachial Plexus MR-Neurography in Patients with  
Parsonage-Turner Syndrome

MK375-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
MRI-based Radiomics Signature: A Potential Imaging  
Biomarker for Prediction of Histologic Grade, Preoperative  
Prediction of Recurrence, and Prediction of Survival  
Outcome for Liposarcoma in Extremities

MK376-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Intracortical Bone Mineral Density Correlates Well with  
Quantitative Susceptibility Mapping (QSM) Obtained from  
Cones Ultrashort Echo Time Magnetic Resonance Imaging  
(UTE-MRI)

MK377-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Role of Whole-Body Diffusion-Weighted Imaging in  
Evaluation of Multiple Myeloma

MK378-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Clinical Utility and Economic Impact of Screening  
Follow-Up Upper Extremity Radiographs in Children with  
Uncomplicated Distal Radius Fractures

MK379-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
The MOCART 2.0 (Magnetic Resonance Imaging of Cartilage  
Repair Tissue): Knee Score and Atlas

MK380-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Evaluation of an Accelerated Three Dimensional Fast  
Spin Echo with Compressed Sensing (CS-MATRIX) for  
Diagnosing Cartilage Lesions of Knee

MK381-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Different Energy Transfer Efficiency and Buffering  
Capability in Quadriceps and Calf Muscles with Low-  
Load Isotonic Exercise Detected by Dynamic Localized  
Phosphorus 31 Magnetic Resonance Spectroscopy

MK382-SD-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Calcaneofibular Ligament Anatomy Under Different Ankle  
Positions

MK383-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
DECT for Detecting Gout: Problem-Solving Technique  
versus Problem-Causing Technique - Evaluation of Clumpy  
Artifact in Foot and Ankle DECT from Gout-Free Patients

MK384-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Application of Multi-Echo Dixon Technique and IVIM-DWI in  
Patients with Primary Osteoporosis: A Preliminary Study  
with 3.0 T MRI

MK385-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Ultrafast Imaging of Shoulder MR Arthrography with  
Compressed Sensing Accelerated Isovolumetric 3D-THRIVE:  
Comparison of One Scan of Iso-Volumetric with Multiplanar  
Reconstruction (MPR) and Three Scans of Conventional MR  
Images

MK386-SD-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Weight-Bearing Syndesmotic Measurements in Ankle  
Injuries: Comparison with the Normal Side Using a Semi-  
Automatic Software

MK387-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Performance of a Standardized Scanning and Reporting  
Method for Sonographic Soft Tissue Sarcoma Surgical  
Resection Bed Surveillance

MK389-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
3D Morphometric Characterization of Femoral Cam Lesion Extent

MK390-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Dual-Energy CT Virtual Non-Calcium Technique in the Diagnosis of Osteoporosis: A Correlation Study with Quantitative CT

MK391-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Virtual Bone Mineral Density Imaging with Third-Generation Dual-Source Dual-Energy CT for Diagnosis of Osteoporosis: A Preliminary Study

MK392-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Reduction of Metal Artifacts From after 3D Printed Patient-Specific Hip Arthroplasty for the Treatment of Bone and Soft Tissues Malignant Tumors in Computer Tomography: Value of Virtual Monochromatic Spectral and Metal Artifacts Reduction Software

MK393-SD-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Real-Time Identification of Key Anatomical Features for Ultrasound-Guided Regional Anesthesia

MK394-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Diffusion and Perfusion Parameters is Associated with Early Lumbar Intervertebral Disc Degeneration: A Quantitative MRI Study

MK395-SD-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Self-Improving AI-Assisted Semiautomated Musculoskeletal MR Image Segmentation

MK396-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
High Resolution Ultrasound in Sub-clinical Diabetic Neuropathy: A Potential Screening Tool

MK397-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Quantitative MRI Detects Muscle Recovery?

MK398-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Lateral Femoral Condyle Insufficiency Fractures: Associated Morphological Findings

MK399-SD-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Differentiation of Benign and Malignant Vertebral Fracture on MR Using ResNet Deep Learning Compared to Radiologist's Reading

MK400-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Comparison between Quantitative T2\*-analysis of the Retropatellar Cartilage and the TTTG Distance in Young Professional Soccer Players

MK401-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Do Muscle Elastography and Echogenicity in Spastic Cerebral Palsy Correlate with Response to Botulinum Toxin Injection?

MK402-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Greyscale Ultrasound and Color Doppler Evaluation of Callus Formation in Fractures of Long Bones Treated by Internal Fixation

MK403-SD-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Deep Learning Takes the Pain Out of Back Breaking Work - Automatic Vertebral Segmentation and Attenuation Measurement for Opportunistic Osteoporosis Screening

MK404-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Longitudinal Change of Long Head of the Biceps Brachii Tendon on Magnetic Resonance Imaging After Rotator Cuff Repair

MK405-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Piriformis Syndrome: Pain Response Outcomes Following CT-Guided Injection Incremental Value of Botulinum Toxin Injection

MK406-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
US Features in the Median Nerve for the Assessment of Carpal Tunnel Syndrome Using High Frequency US Imaging

MK407-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Cryoablation for Advanced and Refractory Desmoid Tumors: A Promising Treatment?

MK408-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Deep Learning-Based Automatic Fat Quantification of Supraspinatus Muscle: Quantitative Comparison of a Single Slice at Y-View versus Total MR Slices

MK409-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Novel 3D Cone-Beam CT Scan Mode on a Multipurpose X-Ray System: Evaluation of Image Quality in Cadaveric Elbow Scans Compared to Third Generation Dual-Source CT

# Neuroradiology

NR001-EB-X (Hardcopy Backboard)  
Postnatal MRI Findings After Open Spina Bifida Repair

NR002-EB-X (Hardcopy Backboard)  
Another One Bites the Dust: Revisiting Masticator Space Tumors

NR003-EB-X (Hardcopy Backboard)  
Spinal Cysts: A Compartmental Review

NR004-EB-X (Hardcopy Backboard)  
Talking about TIMI, TICI and mTICI Makes Me Dizzy: A Review of the Grading Schemes and Terminology Utilized in Reporting Endovascular Thrombectomy Outcomes

NR005-EC-X (Custom Application Computer Demonstration)  
A 3D Analysis and Visualization Tool for Synergetic Integration of Multi-Modal Neuroimaging Datasets

NR006-EB-X (Hardcopy Backboard)  
Acute Non-Traumatic Emergency Conditions of the Head and Neck: A Primer for the Radiologist

NR007-EB-X (Hardcopy Backboard)  
An Algorithm-based Approach to Understanding Stroke Workup for Residents

NR008-EB-X (Hardcopy Backboard)  
A Window to Neuropsychiatric Disorders: Our Experience with Transcranial Ultrasound

NR009-EB-X (Hardcopy Backboard)  
What is Acute Hippocampus?

NR010-EB-X (Hardcopy Backboard)  
Mitochondrial CNS Disorders in Children: A Pictorial Review of MR Imaging Features

NR011-EB-WEA (Wed, 12:15-12:45 PM, Hardcopy Backboard)  
Non-Traumatic Head and Neck Emergencies, Pearls and Pitfalls: A Pictorial Essay

NR012-EB-X (Hardcopy Backboard)  
Perineural Spread in Children Head and Neck Tumors: A Survival Guide

NR013-EB-X (Hardcopy Backboard)  
Sonographic Imaging of Iatrogenic Intraspinal Hematomas in Infants: A Retrospective Case Study

NR100-ED-X (Digital Education Exhibit)  
Imaging and Classification of Bone-related Disorders of the Jaw

NR101-ED-X (Digital Education Exhibit)  
Imaging of Cholesteatoma: Current Status and Future Prospective

NR102-ED-X (Digital Education Exhibit)  
Imaging of Minor Salivary Gland Carcinomas: "Not Minor" Malignant Tumors Throughout the Head and Neck Region

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Central Nervous System Iatrogenesis: What the Radiologist Must Know

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Primary Central Nervous System Lymphoma: Diagnosis, Surveillance, Treatment, Prognosis, and Recurrence

NR105-ED-X (Digital Education Exhibit)  
Pitfalls in TI-RADS: An Illustrative Review with Rad-Path Correlation

NR106-ED-X (Digital Education Exhibit)  
Spectrum of Corpus Callosum Lesions: Beyond the Typical 'Butterfly' Differential

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Diffusion-Tensor Imaging of Major White Matter Bundles: Anatomy, Functions and ROI-Based Reconstruction - A Pictorial Review

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Beyond the Vision: A Practical Approach to Orbital Tumors in Children

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Sinonasal Tumors: Have They 'SNUC' Up On You? An Imaging Review of Sinonasal Tumors and Relevant Sinonasal Anatomy

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Going Against the Flow: Arterial Spin Labelled Imaging Provides Key Functional Diagnostic Information

NR111-ED-X (Digital Education Exhibit)  
The In's and Out's of Oculomotor Nerve Palsy

NR112-ED-X (Digital Education Exhibit)  
The Forgotten Phakomatoses: A Neuroimaging Review

NR113-ED-X (Digital Education Exhibit)  
The Importance of Being Earnest in Differentiating NMO/ NMOSD from MS



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Cranio-cervical Junction Trauma: Significant Ligamentous Injuries and Detailed Anatomical Review

NR115-ED-X (Digital Education Exhibit)  
Imaging for Epilepsy Surgery: How to Assist the Epileptologist and Neurosurgeon

NR116-ED-X (Digital Education Exhibit)  
Clinical 7-Tesla MRI for Neuroradiology: Strengths, Weaknesses, and Ongoing Challenges

NR117-ED-X (Digital Education Exhibit)  
What Radiologists Don't See, Otolaryngologist Does: Clinical and Radiologic Correlation

NR118-ED-X (Digital Education Exhibit)  
Cortical Clefts Convey Connotations: Schizencephaly-Related Malformations and Mimics

NR119-ED-X (Digital Education Exhibit)  
TB Continued... Don't Forget the 'BASICS' of Tuberculous Meningitis!

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The Hidden Slope: Imaging of the Clivus

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Zenker's Diverticulum: A Primer

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Emergency Head and Neck Imaging: Infections and Inflammatory Processes - Don't Underestimate Them!

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Spinal Cord Syndromes: Clinical and Neuroradiological Step-by-Step Approach

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Imaging Review of the "Great Imitator": Skull Base Lymphoma

NR125-ED-X (Digital Education Exhibit)  
Diffusion-Weighted Imaging in the Head and Neck: Usefulness of the Qualitative Point-of-View for Patient Care

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Let's Go into Orbit! An MRI Approach of Main Intraocular Lesions

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Diagnostic Implications of Contrast-Enhanced Intracranial Vessel Wall Imaging

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Imaging Evaluation of the Spinal Hardware: What Residents and Fellows Need to Know

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Treatment of Spinal Metastases: What the Radiologist Needs to Know

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Post-Operative Imaging Appearance of Iliac Crest Free Flap for Palatomaxillary Reconstructions

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Radiological Evaluation of Facial Trauma: Guide for the Resident

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The Imaging Findings of Infectious Diseases of Head and Neck: What Radiologists Should Know in Order to Lead the Patients to the Appropriate Medical Treatment

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Epilepsy Focus Localization: A Nuclear Medicine Perspective

NR134-ED-X (Digital Education Exhibit)  
A Resident's Guide to Understanding the New 2018 ACR White Paper for the Management of Incidental Pituitary Findings on CT, MRI, and 18F-Fluorodeoxyglucose PET

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Thoracic Inlet Lesion Incidentally Found at the Lower Margin of Neck CT: Should Neuroradiologists Be Concerned?

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Temporal Bone Imaging: Great Advantages of Ultra-HRCT

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Cystic Lesions of the Neck: Combined Clinical, Radiographic, and Histopathological Approach

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Tumefactive Demyelinating Lesions: The Spectrum of Imaging Appearances and the Differential Diagnosis

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Postoperative Imaging of Cochlear Implants

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Usefulness of Spiral Flow Tube for Saline Chaser Capable of Improving Visualization Ability of Subclavian Artery in Cervical CT Angiography

NR141-ED-X (Digital Education Exhibit)  
CNS Infection: Uncommon Presentations, Mimics, and Pitfalls

NR142-ED-X (Digital Education Exhibit)  
Potentially Unfamiliar Postoperative Imaging Findings in the Head and Neck

NR143-ED-X (Digital Education Exhibit)  
Compressed Sensing MR Angiography from Simulation Research to Clinical Practices

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Prediction of Malignancy in Thyroid Nodules: Is Elastography Useful?

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Immunotherapy-related Neuroimaging Findings in Non-CNS Tumor Treatment

NR146-ED-X (Digital Education Exhibit)  
Quantitative Susceptibility Mapping: Clinical Application for Pediatric Diseases

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Oncogenetics and Imaging of Head and Neck Cancer: Importance of Alcohol, Tobacco, and Virus Oncogenes

NR148-ED-X (Digital Education Exhibit)  
Surgical Reconstruction in Head and Neck: A Pictorial Review

NR149-ED-X (Digital Education Exhibit)  
If the Patient Comes from the Hematologic Sector: What Brain MRI Can Say

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Another Trick on the Wall: Revisiting Intracranial Arteriopathy

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Lumbar Facet Joint Septic Arthritis: CT and MRI Findings of an Important and Commonly Missed Pathology

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Who's this Fella Near the Sella? An Approach to Sellar and Parasellar Masses

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Nasal Penetration During Swallowing: A Simple Radiologic Finding Due to Multiple Complex Mechanisms and Causes

NR154-ED-X (Digital Education Exhibit)  
Computer-Assisted Analysis of FDG-PET and Perfusion SPECT in Patients with Refractory Epilepsy

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MRgFUS Thalamotomy for the Treatment of Tremor: How We Do It: A Guide from Patient Preparation to Technical Procedural Management

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Brain on Fire: An Imaging-based Review of Autoimmune Encephalitis

NR157-ED-X (Digital Education Exhibit)  
Follicular Lesions of Undetermined Significance (FLUS): What Radiologists Should Know

NR158-ED-X (Digital Education Exhibit)  
How the Radiologist Can Help: Important Anatomic Landmarks in the Treatment of Oral Cavity, Oropharyngeal and Laryngeal Carcinoma and Their Impact on Surgical Options, Esthetic, Functional and Psychological Challenges

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Establishing a Functional-MRI Service: Lessons Learned and Pitfalls to Avoid

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Head and Neck Imaging Manifestations of Granulomatosis with Polyangiitis

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Dismistifying Neoplastic Clival Lesions: A Differential Diagnosis Approach

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Craniosynostosis: Understanding the Misshaped Head

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It's a Kind of Magic! Is this Real Life or is this Just Fantasy?

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Integrated Radiological-Pathological Staging of Sinonasal Inverted Papillomas

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Radiologic Findings of Adrenoleukodystrophy and Their Clinical Importance

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Neuroimaging Blindspots: Cases of Often Missed Neuropathology

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Nothing to Sneeze At: Imaging Findings in Non-Neoplastic Sinonasal Pathologies

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Imaging Features of Cystic Lymph Node Metastasis of HPV-Positive Oropharyngeal Cancer and Other Cystic Neck Lesions

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Multiphase CTA - More than Just CTA: A Multiuse Tool in Acute Stroke Imaging and Decision Making

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Pulsatile Tinnitus Etiologies and Advanced MR Techniques: From Diagnosis to Intervention

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Sellar and Suprasellar Region in Kids: Breaking Down the Differential

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Pediatric Paranasal Sinuses: Normal Development and Differentiating Hypoplasia and Atelectasis

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Intracranial Tumor Mimics: Differentiating the Chameleon from Neoplasm

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Gnawing Lesions of the Mandible

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How to Identify Cervical Traumatic Neuromas in the Postoperative Neck Dissection: A Brief Review of the Cervical Plexus Ultrasound

NR176-ED-X (Digital Education Exhibit)  
Doctor, I Am Losing My Mind! An Update in Cortical Degenerative Syndromes: Patterns to Review and Remember

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Perfusion and Diffusion-Weighted Imaging of Pediatric Brain Tumors

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Application of Multiple-Parameter MR Imaging of Temporomandibular Joint Dysfunction

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Brain Perfusion MR: Technique, Clinical Applications, and Interpretation (Case-based Approach)

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Imaging Techniques and Findings of Orbit Masses in Both Adults and Children

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Neuro-Imaging Evaluation of Localisation-related Epilepsy: State-of-the-Art Review

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Imaging Features of Metabolic Disorders and Oxidative Phosphorylation

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Usual and Unusual MR Imaging Findings of Wernicke's Encephalopathy

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Carotid Plaque Imaging: Past, Present, and Future

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Pushing Carotid Space Structures: Who Am I?

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Beyond Tympanomastoidectomy: A Pictorial Essay of Unusual Post-Operative Temporal Bone CT Findings

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3T MRI in Hemolytic Uremic Syndrome in Adults with Central Nervous System Involvement: A Case Series

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Lytic Odontogenic and Non-Odontogenic Mandibular Lesions

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Diffuse Thyroid Disease: Radio-Pathological Correlation

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MR Gliogenomics, the New Frontier - The IDH/1p19q Mutation: MR Imaging Features and the Future of MR Genomics

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The Air Apparent: A Radiologic Approach to Understanding Cervical Emphysema

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Multimodality Imaging of Normal Pressure Hydrocephalus: Role of Integrated Anatomic and Molecular Imaging

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Thyroid Carcinoma: A Pictorial Review of the Radio-Pathological Characteristics of the Thyroid Cancer Subtypes and Variants

NR194-ED-X (Digital Education Exhibit)  
Salivary Gland Cancers: Radiological Features with Histological Correlation

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Cerebral Venous Thrombosis: What Radiologists Need to Know About Diagnosis and Treatment

NR196-ED-X (Digital Education Exhibit)  
Imaging Evaluation of Vascular Cognitive Impairment: Small Vessel Disease is Not a Small Problem

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Surgeon's Infratemporal Fossa versus Radiologist Masticator and Parapharyngeal Spaces: Tug-of-War and Implications on AJCC Staging and Resectability of Head Neck Cancers

NR198-ED-X (Digital Education Exhibit)  
Intravoxel Incoherent Motion Imaging for Brain and Head and Neck: Theory, Clinical Applications, and Pitfalls

NR199-ED-X (Digital Education Exhibit)  
Gadolinium Deposition in the Brain and Glymphatic System

NR200-ED-X (Digital Education Exhibit)  
Intracranial Pressure Disorders Focusing on Idiopathic Intracranial Hypertension and Spontaneous Intracranial Hypotension

NR201-ED-X (Digital Education Exhibit)  
Beware the Trunk Abnormalities Associated with the Characteristical Head and Neck Lesions

NR202-ED-X (Digital Education Exhibit)  
Intracranial Calcifications: When and Where Do They Appear and What Do They Mean?

NR203-ED-X (Digital Education Exhibit)  
Imaging Features and Implications of Lumbosacral Transitional Vertebrae: What the Radiologist Needs to Know

NR204-ED-X (Digital Education Exhibit)  
MR Permeability Applications in the Head and Neck

NR205-ED-X (Digital Education Exhibit)  
Lesion Localization in Neuroradiology: Classic Neurologic Exam and Neuroimaging Correlates

NR206-ED-X (Digital Education Exhibit)  
Deep-Learning Applications in Glioma Analysis: Quantification, Characterization, and Prediction

NR207-ED-X (Digital Education Exhibit)  
Third Ventricular Colloid Cysts: Simple Yet Complex Imaging Entity

NR208-ED-X (Digital Education Exhibit)  
Comprehensive Review of Intraventricular Tumors

NR209-ED-X (Digital Education Exhibit)  
Evaluation of Brain Tumors with Imaging, Histological Correlation, and Molecular Markers

NR210-ED-X (Digital Education Exhibit)  
Imaging and Classification of Head and Neck Paragangliomas

NR211-ED-X (Digital Education Exhibit)  
Case-based Imaging Review of Posterior Fossa Tumors in Adults and Children

NR212-ED-X (Digital Education Exhibit)  
4D CT for Parathyroid Evaluation

NR213-ED-X (Digital Education Exhibit)  
An Organized Approach to Interpreting CT of the Paranasal Sinuses: Review of Common Sinonasal Anatomic Variants and How to Keep the Surgeon out of Trouble

NR214-ED-X (Digital Education Exhibit)  
Things That Go 'Splat' on the Spine: Bugs, Blood, and Other Imitators - An Anatomical Compartment Approach

NR215-ED-X (Digital Education Exhibit)  
Perineural Tumor Spread (PNTS) of Head and Neck Cancers: Imaging Technique and Findings

NR216-ED-X (Digital Education Exhibit)  
Name that Shunt! Application of Arterial Spin Labelling (ASL) in the Identification of Intracranial Arteriovenous Shunts

NR217-ED-X (Digital Education Exhibit)  
The Eyes Have It: Congenital and Developmental/Acquired Anomalies of the Globe

NR218-ED-X (Digital Education Exhibit)  
Brain on Fire: Understanding Autoimmune Encephalitis

NR219-ED-X (Digital Education Exhibit)  
Key Imaging Features of Newly Defined CNS High Grade Neuroepithelial Tumor with BCOR Alteration

NR220-ED-X (Digital Education Exhibit)  
Brain Magnetic Resonance Elastography

NR221-ED-X (Digital Education Exhibit)  
Comprehensive Review of Normal Variants Related to Cerebral Arterial Supply and Their Clinical Significance

NR222-ED-X (Digital Education Exhibit)  
Don't Nod Off! A Quiz-based Review of Uncommon Acquired Diseases Involving the Craniovertebral Junction

NR223-ED-X (Digital Education Exhibit)  
Novel MRI Imaging Techniques in Classification and Evaluation of Spinal Vascular Malformations: A Pictorial Review

NR224-ED-X (Digital Education Exhibit)  
Postoperative Non-Contrast CT for Ruptured Subarachnoid Hemorrhage: Utility of Dual-Energy CT Applications

NR225-ED-X (Digital Education Exhibit)  
All that Restricts is Not Malignant: Restricting Low-Grade Neoplasms in the Brain

NR226-ED-X (Digital Education Exhibit)  
Diagnostic Spectrum of Orbital Lesions Which Are Always Dressed in Overalls and Looks Like Work

NR227-ED-X (Digital Education Exhibit)  
All You Will See! Clivus Imaging

NR228-ED-X (Digital Education Exhibit)  
Intracranial Dural Arteriovenous Fistulas: State-of-the-Art Review

NR229-ED-X (Digital Education Exhibit)  
Meet the Outliers: Uncommon Lesions in Sella

NR230-ED-X (Digital Education Exhibit)  
Get a Whiff of This: IgG4 Disease of the Sino-Nasal Region

NR231-ED-X (Digital Education Exhibit)  
Men(ninges) in Black: Hypointense Dural Lesions in T2WI

NR232-ED-X (Digital Education Exhibit)  
Fractional Anisotropy Value May Predict the Long-term Treatment Effectiveness After Thalamotomy for Essential Tremor: How We Measure

NR233-ED-X (Digital Education Exhibit)  
Intracranial Vessel Wall with Magnetic Resonance Imaging: A New and Emerging Milestone in the Diagnosis of Cerebral Vasculitis

NR234-ED-X (Digital Education Exhibit)  
If I Could Offer You Only One Tip for the Future, Sunscreen Would Be It

NR235-ED-X (Digital Education Exhibit)  
MRI Findings of Spontaneous Intracranial Hypotension: Diagnostic Signs and Predictive Factors for Treatment Response

NR236-ED-X (Digital Education Exhibit)  
A Practical Approach to Sclerotic Jaw Lesions

NR237-ED-X (Digital Education Exhibit)  
MOG Antibody Disease: Spectrum of Imaging Findings, Overlapping and Differentiating Features with ADEM and NMOSD

NR238-ED-X (Digital Education Exhibit)  
MRI Perfusion Techniques in Brain Tumors: A Primer for the Radiologist

NR239-ED-X (Digital Education Exhibit)  
Imaging of Teeth Abnormalities: How Radiologists Can Contribute

NR240-ED-X (Digital Education Exhibit)  
Atypical Bacterial Infections of the Central Nervous System: An Unknown Threat

NR241-ED-X (Digital Education Exhibit)  
Neuroanatomy Lab of the Future: Studying Brain Anatomy with Cinematic Rendering

NR242-ED-X (Digital Education Exhibit)  
Endonasal Frontal Sinus Approach: An ABCDE Rule

NR243-ED-X (Digital Education Exhibit)  
Gadolinium Washout: Is it Real?

NR244-ED-X (Digital Education Exhibit)  
Pain, Vertigo, Tinnitus, Spasm: Have You Thought About Neurovascular Compression?

NR245-ED-X (Digital Education Exhibit)  
Utility of Contrast-Enhanced 3D-T1 Weighted CUBE Fat Sat Sequence at 1.5T GE MRI to Evaluate Pathological Cranial Nerve Enhancement

NR246-ED-X (Digital Education Exhibit)  
Radiological Assessment and Monitoring in MRI-Guided High Intensity Focused Ultrasound (HIFU) Thalamotomy: How We Do It

NR247-ED-X (Digital Education Exhibit)  
Optimizing Communication and Patient Care with Common Data Elements in Spine Oncology Reporting

NR248-ED-X (Digital Education Exhibit)  
The Chameleon Called Glioblastoma: A Multiforme Tumor

NR249-ED-X (Digital Education Exhibit)  
Acute Ischemic Stroke: Time is Life - An Approach for No Mistakes

NR250-ED-X (Digital Education Exhibit)  
Scalp and Skull Evaluation: State of the Art

NR251-ED-X (Digital Education Exhibit)  
Cystic Spinal Fluid Collections

NR252-ED-X (Digital Education Exhibit)  
Cerebral Saccular Aneurysms: A Novel Method Using Patient-Derived Three Dimensional Models on a Web-based Interactive Platform to Teach Complex Neuroradiology Pathology

NR253-ED-X (Digital Education Exhibit)  
Lesions That Bloom: An Artifact Turned into Neuroradiologist Advantage

NR254-ED-X (Digital Education Exhibit)  
Eponyms: Neuroradiology from a Historical Perspective

NR255-ED-X (Digital Education Exhibit)  
Uncommon Causes of Ischemic Stroke

NR256-ED-X (Digital Education Exhibit)  
Pocket Guide to Key Findings of Differential Diagnoses of Facet Joints Disorders

NR257-ED-X (Digital Education Exhibit)  
A Close View of an Open Spinal Cord: Simplifying Spinal Dysraphisms Diagnosis

NR258-ED-X (Digital Education Exhibit)  
A SOS Call from the Brain! How is Drug Abuse Messing up with Your Ideas on Acute Onset and After

NR259-ED-X (Digital Education Exhibit)  
DWI on MRI Head Scans: Think Outside the Box

NR260-ED-X (Digital Education Exhibit)  
Multinodular and Vacuolating Tumor of Cerebrum (MVNT) Imaging Findings and Differential Diagnosis

NR261-ED-X (Digital Education Exhibit)  
4Ts of Cranial Nerve Imaging: Targeted Imaging, Correct Techniques, Post Processing Tricks and 3T MRI

NR262-ED-X (Digital Education Exhibit)  
On-call Primer: Revisiting Intraparenchymal Hemorrhage in the Era of Multimodality Imaging

NR263-ED-X (Digital Education Exhibit)  
Not All Hearsay: Complications of Acute Mastoiditis

NR264-ED-X (Digital Education Exhibit)  
SWI Patterns: A Clarification Pathway from Physiopathology to Structural Imaging

NR265-ED-X (Digital Education Exhibit)  
The Many Faces of Epistaxis

NR266-ED-X (Digital Education Exhibit)  
Pearls and Pitfalls of Head and Neck Biopsies: A Case-based Review

NR267-ED-X (Digital Education Exhibit)  
Superficial Siderosis: Where to Look

NR268-ED-X (Digital Education Exhibit)  
Dynamic Contrast-Enhanced MRI of Parotid Lesions: What the Radiologist Needs to Know

NR269-ED-X (Digital Education Exhibit)  
"APEX PREDATORS" - Magnetic Resonance Imaging in Orbital Apex Lesions Emphasizing on Critical Imaging Findings

NR270-ED-X (Digital Education Exhibit)  
Like a Phoenix from the Ashes: Post Radiotherapy Imaging Changes in Brain

NR271-ED-X (Digital Education Exhibit)  
Under Pressure: A Review of CSF Leak and Intracranial Hypertension

NR272-ED-X (Digital Education Exhibit)  
Puff of Smoke: Moyamoya Disease

NR273-ED-X (Digital Education Exhibit)  
Handling the Pressure in my Head: An Imaging Insight on Assessing Altered CSF Pressure State - Basics and Advances

NR274-ED-X (Digital Education Exhibit)  
MR Imaging of Mass Lesions of the 3rd Ventricle: A Picture Paints a Thousand Words

NR275-ED-X (Digital Education Exhibit)  
CNS Involvement in Hemophagocytic Lymphohistiocytosis (HLH): How to Lighten the Hypothesis

NR276-ED-X (Digital Education Exhibit)  
MRI Features of Dengue Viral Encephalitis: Double Doughnut Sign and More

NR277-ED-X (Digital Education Exhibit)  
Hacked Hypothalamus: MRI in Decrypting Varied Spectrum of Hypothalamic Pathologies

NR278-ED-X (Digital Education Exhibit)  
Central Nervous System Tuberculosis: Myriad Radiological Manifestations!

NR279-ED-X (Digital Education Exhibit)  
MDCT Evaluation of Gingivo-Buccal Cancers

NR280-ED-X (Digital Education Exhibit)  
Treating Tremors with Ultrasound? How, What, Why and Where? An Introduction to Magnetic Resonance-Guided Focused Ultrasound for Movement Disorders

NR281-ED-X (Digital Education Exhibit)  
Landmarking the Hidden Base: Cross Sectional Imaging Findings of Varied Skull Base Tumors

NR282-ED-X (Digital Education Exhibit)  
A Potential Tool in Radiologists Armamentarium: Arterial Spin Labeling in Diagnosis of CNS Infections

NR283-ED-X (Digital Education Exhibit)  
Practical Strategies to Improve the Use of PET CT in Thyroid Cancer

NR284-ED-X (Digital Education Exhibit)  
Magic After Reperfusion Therapy: DWI Reversal in Stroke

NR285-ED-X (Digital Education Exhibit)  
Evaluation of the Cranial Nerves Involved by Nasopharyngeal Carcinoma (NPC) in 3D High-Contrast Magnetic Resonance Neurography (MRN)

NR286-ED-X (Digital Education Exhibit)  
Imaging of Third Eye (Epiphysis Cerebri): An Imaging Review of Pathology of Pineal Gland Lesions

NR287-ED-X (Digital Education Exhibit)  
Mild Encephalopathy with Reversible Splenial Lesion (MERS) and Mimic Lesions: MR Imaging and Differential Diagnoses

NR288-ED-X (Digital Education Exhibit)  
Parkinsonian Syndromes: The Past, Present, and Future

NR289-ED-X (Digital Education Exhibit)  
Imaging of Traumatic Cranial Nerve Injuries

NR290-ED-X (Digital Education Exhibit)  
Why Using Preoperative CT/MRI Fusion Image: Necessary of Artery, Vein, Tumor, and Nerve for Neurosurgery

NR291-ED-X (Digital Education Exhibit)  
Brain White Matter T2/FLAIR Hyperintense Lesions: A Step-by-Step Approach and Algorithm to Establish a Syndromic Diagnosis

NR292-ED-X (Digital Education Exhibit)  
Non-Primary Head and Neck Lesions: Imaging Feature of Metastasis to Head and Neck and Differential Diagnosis

NR293-ED-X (Digital Education Exhibit)  
Applications of Multiparametric Multidelayer and Long Delay Arterial Spin Labelling

NR294-ED-X (Digital Education Exhibit)  
The Role and Utility of Diffusion-Weighted MR Imaging in the Head and Neck

NR295-ED-X (Digital Education Exhibit)  
Impact of ACR-TIRADS in Lesions Submitted to Fine Needle Aspiration: Experience in 1000 Cases

NR296-ED-X (Digital Education Exhibit)  
Decoding Post-Therapy Changes in Cancers of Head and Neck: Experience from an Oncology Referral Center

NR297-ED-X (Digital Education Exhibit)  
Hearing Implants: What the Radiologist Needs to Know

NR298-ED-X (Digital Education Exhibit)  
Canals and Fissures of the Temporal Bone: Anatomy and Clinical Relevance

NR299-ED-X (Digital Education Exhibit)  
Arbovirosis: Summer is Coming

NR300-ED-X (Digital Education Exhibit)  
Can You Explain the Neurological Symptoms? A Clinical-Radiological Approach of Intracranial Lesions

NR301-ED-X (Digital Education Exhibit)  
'Sick Sea Horse': Imaging Review of Pathologies of Hippocampus

NR302-ED-X (Digital Education Exhibit)  
Deltas in Venous Lakes Common to Uncommon Etiologies of CVT: Combined Radiological and Clinical Approach

NR303-ED-X (Digital Education Exhibit)  
In Matter of Fat, What Lesion is That? Reviewing Patterns and Differential Diagnosis of Lipomatous Lesions of the Head and Neck

NR304-ED-X (Digital Education Exhibit)  
Understanding the Dementias and the Clinical Importance of MRI-based Cognitive Neuroimaging

NR305-ED-X (Digital Education Exhibit)  
Improved Delineation of Brain Perforating Arteries in Brain CTA by Ultra High-Resolution CT: What the Radiologist and Radiology Technologist Need to Know

NR306-ED-X (Digital Education Exhibit)  
Caught in the Middle: Anatomy, Embryology, and Pathology of the Corpus Callosum: Case-based Review

NR307-ED-X (Digital Education Exhibit)  
Brain Aging Assessment with Advanced MRI Diffusion Techniques: A New Approach for Years Old Quantification?

NR308-ED-X (Digital Education Exhibit)  
Conventional and Advanced MRI Evaluation of Hypophysis: Is it Possible to Minimize the Use of Gadolinium with DWI and t2-Mapping Techniques?

NR309-ED-X (Digital Education Exhibit)  
Toolkit for Functional MRI Assessment of Peritumoral Non-Enhancing Areas in Brain Lesions

NR310-ED-X (Digital Education Exhibit)  
Understanding Pediatric Neuroimmune Disorders Conflicts: A Neuroradiological Approach in the Molecular Era

NR311-ED-X (Digital Education Exhibit)  
Carotid Cavernous Fistula: Imaging Spectrum and Endovascular Management

NR312-ED-X (Digital Education Exhibit)  
From Rathke's Cleft to You: Imaging Craniopharyngiomas-A Pictorial Review

NR313-ED-X (Digital Education Exhibit)  
Sinonasal Fungal Disease Spectrum: From Indolent to Aggressive

NR314-ED-X (Digital Education Exhibit)  
Retinoblastoma Nerve Optic Invasion: How Color Doppler Can Improve Diagnosis Better than MRI

NR315-ED-X (Digital Education Exhibit)  
Modern Applications of SWI: Recognizing Uncommon Disorders Based on Typical Susceptibility Abnormalities When Conventional Sequences Resulted Unremarkable

NR316-ED-X (Digital Education Exhibit)  
Cerebral Venous Thrombosis: Beyond Diagnosis-Follow-up, Pearls, and Pitfalls

NR317-ED-X (Digital Education Exhibit)  
Subtle Image Findings Possibly Overlooked in Emergency Head and Neck Exams: Do Not Lose Them!

NR318-ED-X (Digital Education Exhibit)  
Clinical Utility of Dual-Energy CT in Acute Spinal Trauma

NR319-ED-X (Digital Education Exhibit)  
Evolution of Acute Ischemic Stroke Treatment as Supported by Clinical Trials

NR320-ED-X (Digital Education Exhibit)  
Tumor or Not Tumor: That is the Question!

NR321-ED-X (Digital Education Exhibit)  
The Diversity of Cerebral Vascular Malformations

NR322-ED-X (Digital Education Exhibit)  
Missed One? Skull Base Osteomyelitis: The Forgotten Diagnosis

NR323-ED-X (Digital Education Exhibit)  
Carotid Arteries Doppler Ultrasound: Fighting a Silent Enemy

NR324-ED-X (Digital Education Exhibit)  
The Plethora of Pineal Region Tumors: Neuroimaging Findings of Both Common and Rare Entities

NR325-ED-X (Digital Education Exhibit)  
Imaging Challenges for Evaluation of Treated Glioblastoma: Past, Present and Future

NR326-ED-X (Digital Education Exhibit)  
Role of High Resolution Vessel Wall Imaging in Recognizing Vulnerable Intracranial Atherosclerotic Plaques

NR327-ED-SUA10 (Sun, 12:30-1:00 PM, Station #10)  
Navigation Map for Head and Neck Cancer: Anatomical Routes of Tumor Spread at the Crossroads of the Neck

NR328-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
A Multimodality Pictorial Essay of Nontraumatic Ocular and Orbital Pathologies

NR329-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Posterior Third Ventricle Pathologies: Look Through Surgeons' Eyes

NR330-ED-SUA9 (Sun, 12:30-1:00 PM, Station #9)  
Cerebral Perfusion Imaging A to Z: Theory, Implementation, and Clinical Cases

NR331-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
There is Something in Your Eye: Imaging of Ocular Pathology

NR332-ED-X (Digital Education Exhibit)  
Flux of Cutting-Edge MRI Techniques into the Head and Neck Tumor



NR333-ED-X (Digital Education Exhibit)  
Imaging of the Parasitic Infection of the Central Nervous System: The Flatworms, Roundworms, and Protozoans

NR334-ED-SUB9 (Sun, 1:00-1:30 PM, Station #9)  
Up-to-Date Technique for Improvement of CT and MRI Imaging Quality in the Head and Neck: Theory, Clinical Applications

NR335-ED-MOA10 (Mon, 12:15-12:45 PM, Station #10)  
A Genetic Mutation By Any Other Name (Is Still a Genetic Mutation): An Update on Molecular Diagnostics and Neurologic Disease

NR336-ED-MOA11 (Mon, 12:15-12:45 PM, Station #11)  
Congenital Spinal Anomalies: What the Neurosurgeon Wants to Know

NR337-ED-MOA12 (Mon, 12:15-12:45 PM, Station #12)  
Gadolinium Deposition in Brain: An Updated Review

NR338-ED-SUA11 (Sun, 12:30-1:00 PM, Station #11)  
Under Construction: Understanding the Post-Operative Temporal Bone

NR339-ED-MOB10 (Mon, 12:45-1:15 PM, Station #10)  
Zika Virus: A Problem Flying Right into Adult Minds

NR340-ED-MOB11 (Mon, 12:45-1:15 PM, Station #11)  
Recognizing Radiation-Induced Changes in the Central Nervous System: Where and What to Look For

NR341-ED-MOB12 (Mon, 12:45-1:15 PM, Station #12)  
Congenital Inner Ear Anomalies: A Pictorial Essay

NR342-ED-SUB10 (Sun, 1:00-1:30 PM, Station #10)  
When Should I Think About a Transsynaptic Degeneration? A General Approach to the Transneuronal Degeneration

NR343-ED-TUA10 (Tue, 12:15-12:45 PM, Station #10)  
WHO 2016 Classification of CNS Tumors: The Beginning of the Molecular Era

NR344-ED-TUA11 (Tue, 12:15-12:45 PM, Station #11)  
Diagnosing Intracranial Vasculitides and Vasculopathies: Conventional MRI and Vessel Wall Imaging-based Diagnosis

NR345-ED-TUA12 (Tue, 12:15-12:45 PM, Station #12)  
Contemporary MRI Imaging in Parkinson's Disease

NR346-ED-SUB11 (Sun, 1:00-1:30 PM, Station #11)  
Open Your Mind: Everything You Need to Know About Third Window Pathologies of the Inner Ear

NR347-ED-TUB10 (Tue, 12:45-1:15 PM, Station #10)  
Interpretation of CT Perfusion in Acute Ischemic Stroke: A Practical Guide

NR348-ED-TUB11 (Tue, 12:45-1:15 PM, Station #11)  
Artificial Intelligence and Stroke Imaging: Past, Present, and Future

NR349-ED-TUB12 (Tue, 12:45-1:15 PM, Station #12)  
Unperplexing the Brachial Plexus

NR350-ED-SUB12 (Sun, 1:00-1:30 PM, Station #12)  
The Good, the Bad, and the Ugly: A Case-based Review of the Ultrasonographic Evaluation of Thyroid Nodules According to the 2017 ACR-TIRADS Consensus

NR351-ED-WEA9 (Wed, 12:15-12:45 PM, Station #9)  
Keep an Eye on the Eye: Imaging of Orbital Trauma

NR352-ED-WEA11 (Wed, 12:15-12:45 PM, Station #11)  
Open Your Mouth and Your Eyes! Don't Lose Teeth Affections

NR353-ED-WEA10 (Wed, 12:15-12:45 PM, Station #10)  
Getting the Most from Brain Cortex: Gray Matter Segmentation and Potential Clinical Applications of Cortical Thickness Techniques

NR354-ED-WEB9 (Wed, 12:45-1:15 PM, Station #9)  
Staging of Sinonasal Cancer: What the Radiologist Needs to Know

NR355-ED-WEB10 (Wed, 12:45-1:15 PM, Station #10)  
Head and Neck Radiation Therapy: A Primer for Radiologists

NR356-ED-WEB11 (Wed, 12:45-1:15 PM, Station #11)  
Advanced Imaging Techniques for the Assessment of Intracranial Vascular Pathology: 4D Flow and Beyond

NR357-ED-X (Digital Education Exhibit)  
The Role of MRI in the Diagnosis of Neurodegeneration and Dementia: Patterns of Brain Atrophy by Visual Rating Scales

NR358-ED-THA7 (Thu, 12:15-12:45 PM, Station #7)  
Optimizing Collateral Evaluation and Distal Vessel Occlusion Detection in Acute Stroke with Colorized Multiphase CTA Summation Maps

NR359-ED-THA8 (Thu, 12:15-12:45 PM, Station #8)  
Refreshing Middle Cerebral Artery Anatomy in Stroke thrombectomy Era: A CT-Angiography and Perfusion-CT Radiologic Tool

NR360-ED-THA9 (Thu, 12:15-12:45 PM, Station #9)  
Neurologic Complications in Patients with Hematologic Malignancies: A Review of Imaging Findings

NR361-ED-THB7 (Thu, 12:45-1:15 PM, Station #7)  
What's the Buzz? An Imaging Approach to Tinnitus

NR362-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
Gyriform Imaging Pattern: What's Wrong with the Cerebral Cortex?

NR363-ED-THB9 (Thu, 12:45-1:15 PM, Station #9)  
Autoimmune Encephalitis: Not Always Limbic

NR364-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Lumbar Disc Herniation: Therapeutic Effect of CT-Guided Pulsed Radiofrequency

NR365-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Translaminar and Transforaminal Epidural Steroid Injection (ESI): Efficacy on Immediate and Long-Term Pain Management

NR366-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Microstructural MR Imaging for the Differentiation between Spinal Ependymomas and Astrocytomas

NR367-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Development of Graph Theoretical Biomarkers in Early Infancy

NR368-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
The Miniature Pig as a Neuroimaging and Spectroscopy Model for Brain White Matter Development in Human Adolescents

NR369-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Quantitative Diffusion Tensor Imaging and Ventricular/Sulcal CSF Volumetry: A Marker to Diagnose the idiopathic Normal Pressure Hydrocephalus (iNPH)

NR370-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Deep-Learning Reconstruction Improves Quality of Clinical Brain and Spine MR Imaging

NR371-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Contrast-Enhanced Black-Blood MRI Sequence is Superior to T1 Spin Echo Sequence in Automated Detection of Contrast-Enhanced Brain Lesions by Convolutional Neural Networks

NR372-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
How to Process High-Resolution Steady-State Cerebral Blood Volume Maps Using Ferumoxytol, an Off-Label MR Contrast Agent?

NR373-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Cerebral Contrast Uptake on CT Angiography in Acute Ischemic Stroke: Automated Attenuation Measurements for Ischemic Core and Final Infarction Prediction

NR374-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
What if MRI is Used as First Line Imaging for ED Patients with Suspected Acute Ischemic Stroke?

NR375-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
When the Drains are Clogged: Can CT Attenuation Value Help to Increase the Diagnostic Sensitivity of Acute Cerebral Venous Sinus Thrombosis on Non-Enhanced CT Head Scans?

NR376-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Detection of Left Atrial Appendage Thrombus in Acute Stroke Patients by Adding Cardiac CT in Stroke Protocol

NR377-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Wall Shear Stress Assessment Using Vector Flow Imaging Discriminates Between Subjects with and without Carotid Atherosclerosis in the Carotid Bifurcation

NR378-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Detailed Visualization of Streamline Flow Patterns in a Neurovascular Phantom Using a 1000 Frames-Per-Second, High-Speed Photon-Counting Detector (PCD)  
NR379-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Increased Resting State Synchronization within the Motor Cortex following Post-Stroke Rehabilitation

NR380-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
The Impact of Injection Protocol on Blood Flow Calculations in 4D-DSA

NR381-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
The Comprehensive Analysis of 4D Flow MRI Can Detect Cerebral Hemodynamic Impairment in the Patients with Internal Carotid Artery Stenotic Disease

NR382-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Morphology and Density are the Most Relevant Predictors of Poor Outcome in lobar ICHs on Brain Non-Contrast CT (NCCT) and Deep ICHs, Respectively

NR383-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Clinical Usefulness of Deep Learning-Based Automated Detection Algorithm in the Intracranial hemorrhages

NR384-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Using 3D Printing to Model Occlusive Balloon Performance in Aneurysmal Defects

NR385-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Long-Term Rupture Risk in Patients with Unruptured Intracranial Aneurysms Treated with Endovascular Therapy: A Systematic Review and Meta-Analysis

NR386-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Radiogenomic Analysis of Glioblastoma on Pre-Treatment Gd-T1w MRI Reveals Gender-Specific Imaging Features and Signaling Pathways

NR387-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Quantitative Radiological Features Affecting 2HG Detection with MEGA-PRESS Sequence

NR388-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Reliability of Functional Neuroimaging for Prediction of Eloquent Brain Function as Determined by Intraoperative Mapping in Brain Tumor Patients

NR389-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Correlates of Intra-Operative Speech Arrest on Functional Magnetic Resonance Imaging: Tumoral Invasion and Language Plasticity

NR390-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
A Study on the Computer-Assisted Diagnosis with Deep Learning Architecture (CADDELAC) for the Detection of Brain Metastases

NR391-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Ultra-High-Resolution Dynamic CT to Evaluate Pituitary Adenomas: Comparison with Dynamic MRI

NR392-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Utility of Susceptibility Weighted Imaging (SWI) in Diagnosing Colloid Cyst

NR393-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
The Effects of Sound Therapy on Resting-State Functional Brain Networks in Patients with Tinnitus: A Graph-Theoretical-Based Study

NR394-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
Problems in Imaging of Thoracolumbar Spine Fractures

NR395-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Prospective Motion Correction Brain MRI Using an External Tracking System

NR396-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Automated Volumetric Assessment of Multiple Sclerosis Disease Burden and Activity with Artificial Neural Networks

NR397-SD-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Incidence of Post-Lumbar Puncture Headaches Requiring Epidural Blood Patch After Fluoroscopic Guided Lumbar Puncture

NR398-SD-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
Quantifying Tissue Microstructure Non-Gaussianity in the Presence of Fiber Dispersion

NR399-SD-MOA9 (Mon, 12:15-12:45 PM, Station #9)  
Normative Values of Brain MRS Metabolites in Early Childhood

NR400-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Simultaneous Multi-Angular-Relaxometry of Tissue (SMART) MRI Identifies Myelin-Related Tissue Damage in Multiple Sclerosis

NR401-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Improved Imaging for Neurovascular Interventions Using Dual-Resolution Detector and Region of Interest Dose Reduction using Convolutional Neural Network

NR402-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
The Effect of Artificial Intelligence-Based Intracranial Hemorrhage Detection on Study Turnaround Time for Emergent Care Non-Contrast Head CT: A Prospective Randomized Clinical Trial

NR403-SD-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Utility of Stress MRI in the Evaluation of Degenerative Disease of the Lumbar Spine: A Study Done on 3T MRI

NR404-SD-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
Measurement of Cerebral Blood Flow by Area-Detector CT Perfusion is Improved by Bayesian Estimation with Advanced Noise Reduction Relative to Standard Singular Value Decomposition

NR405-SD-MOB9 (Mon, 12:45-1:15 PM, Station #9)  
Hippocampal DTI Changes in Patients with Temporal Lobe Epilepsy

NR406-SD-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Automated Detection of Stroke on Non-Contrast CT at Initial Presentation Using Texture Analysis and Machine Learning

NR407-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Discrimination Between Glioblastoma and Single Brain Metastasis Using Radiomics and Machine Learning: Model Development and External Validation

NR408-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Survival Analysis of Head and Neck Cancer Patients Treated with Radiotherapy: Prognostic Value of Computed Tomography-Based Volumetric Body Composition Analyses

NR409-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Stroke Protocol Optimization with Dual-Energy CT:  
Virtual Monochromatic Energy Image Selection with  
Enhancement of Residual Iodine Contrast and Hemorrhagic  
Transformations

NR410-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Outcomes of Treatment-Induced Pseudoprogression and  
Correlation with MGMT Methylation Status in GBM Patients

NR411-SD-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
The Utility of Multiparametric MRI to Characterize Hypoxic  
Tumor Subvolumes in Comparison to FMISO PET

NR412-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Increase in Cerebral Blood Flow after a Single Hypoxic  
Hypobaric Exposure

NR413-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Deep Learning-Enabled Acceleration for Multi-Contrast  
High-Resolution Intracranial Vessel Wall Imaging with 40x  
Reconstruction Speedup

NR414-SD-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Segmentation and Measurement of Ventricular and  
Cranial Vault Volumes in 15,223 Subjects Using Artificial  
Intelligence

NR415-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
A Machine-Learning Based Top 10 List: Extracranial  
Determinants of Cerebral White Matter Lesion Volume

NR416-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Artificial Intelligence-Based Cochlea Segmentation and  
Analysis on Clinical High-Resolution CT Images: Towards  
Automatic Patient-Specific Measurements for Surgical  
Planning

NR417-SD-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Develop Recommendations for Follow-Up Carotid  
Ultrasound Surveillance of Patients with <60% Carotid  
Stenosis

NR418-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Diffusion MRI-Guided Study of Regional Variations in  
Glioblastoma Multiforme Pathology and Gene Expression

NR419-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Comparison Among Conventional MRI Sequences for  
the Detection of Diffuse Axonal Injury in Patients with  
Traumatic Brain Injury

NR420-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Does the Carotid Artery Geometry Play a Role for the  
Stroke?

NR421-SD-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Progression of Plaque Burden on Middle Cerebral Artery  
Associated with Recurrent Stroke: A Follow-Up Study by  
High-Resolution Magnetic Resonance Imaging

NR422-SD-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
Significance of 3D Cube Flair with Compressive Sensing in  
the Diagnosis of Subcortical Microlesions

NR423-SD-TUA9 (Tue, 12:15-12:45 PM, Station #9)  
Frontoparietal Cortical Thinning in Impaired Executive  
Control in Young-Adult Multiple Sclerosis

NR424-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
MR Fingerprinting Evaluation for the Early Changes of  
Relaxation Time in the Brain Tumor and Surrounding White  
Matter After Stereotactic Radiotherapy

NR425-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Evaluation of White Matter Changes in Traumatic Brain  
Injury Using Track Density Imaging and Fractional  
Anisotropy

NR426-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Radio-Proteo-Genomic Differences in IDH1 Mutant versus  
Wild-Type Gliomas

NR427-SD-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
MRI Biomarkers Improve Disease Progression Modeling-  
Based Prediction of Cognitive Decline

NR428-SD-TUB8 (Tue, 12:45-1:15 PM, Station #8)  
Sound the Alarm: The Dramatic Rise in CT Head  
Angiography Performed for Stroke in the Emergency  
Department

NR429-SD-TUB9 (Tue, 12:45-1:15 PM, Station #9)  
New Non-Contrast Brain CT Reconstructions Could Help  
in Better Characterize Final Infarct Volume and Improve  
Patient Management in Acute Anterior Ischemic Stroke

NR430-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Brain Cortical Thickness Alterations in Medication-Free  
Patients with Major Depression Disorder

NR431-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Comparing an Artificial Intelligence Algorithm to Staff  
Neuroradiologists Performances in Diagnosing Ischaemic  
Lesions in Emergency CT Exam in a Stroke Center Routine

NR432-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Evaluating the Benefit of High-Resolution DSE-MRI with Golden-Angle Radial Sparse Parallel Reconstruction of the Pituitary Gland in a Clinical Setting

NR433-SD-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Multi-Modal Convolutional Neural Networks with 2D and 3D Information Can Improve its Sensitivity and Specificity for Detecting Cerebral Aneurysms in MR Angiography

NR434-SD-WEA8 (Wed, 12:15-12:45 PM, Station #8)  
Utility of Quantifying Iron Deposition in the Brainstem during the Early Stages of Parkinson's Disease Development

NR435-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Automated Classification of Arteriolar Sclerosis Pathology and Prediction of Cognitive Decline Based on MRI Images

NR436-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Intravoxel Incoherent Motion (IVIM) Alterations in Glioblastoma during Chemoradiation Therapy?

NR437-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Diagnostic Accuracy of Routine Non-Contrast MRI Sequences for Dural Venous Sinus Thrombosis

NR438-SD-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Efficacy of tc-MRgFUS Thalamotomy in The Treatment of Essential Tremor (ET) and Parkinson Disease (PD) Tremor: Experience From 39 Patients in A Single Centre with Long Term Follow-Up

NR439-SD-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
Automated Contrast Uptake Measurements at CT Angiography for Thrombectomy Triage in Extended Time Windows

# Nuclear Medicine

NM001-EB-X (Hardcopy Backboard)  
Stranger Things: Multimodality Imaging of Diffuse Renal Lesions

NM002-EB-X (Hardcopy Backboard)  
The Future of Nuclear Medicine and Musculoskeletal Radiology: Fusion Imaging

NM100-ED-X (Digital Education Exhibit)  
Utility of Nuclear Medicine Three Phase Bone Scan in the Evaluation of Frostbite

NM101-ED-X (Digital Education Exhibit)  
Radionuclide Imaging of Cardiac Amyloidosis and Sarcoidosis: Demonstration of SPECT and PET Images Using Various Radiotracers

NM102-ED-X (Digital Education Exhibit)  
Fever of Unknown Origin and the Role of 18F-FDG PET-CT: Frequently Encountered Pathology

NM103-ED-X (Digital Education Exhibit)  
Ga-68 Dotatate PET/CT: Case-Based Review from the First Few Years of Use at a Large Academic Center

NM104-ED-X (Digital Education Exhibit)  
DaTscan Quantitation Improving the Confidence of Visual Interpretation

NM105-ED-X (Digital Education Exhibit)  
An Update of Radioactive Iodine Therapy Guidelines in Pediatric Patients with Thyroid Cancer

NM106-ED-X (Digital Education Exhibit)  
"State-of-the-Art" Imaging of Neuroendocrine Tumors: How to Incorporate High-end Anatomic, Somatostatin Receptor, and Metabolic Imaging

NM107-ED-X (Digital Education Exhibit)  
Tl-201 Scintigraphy of Various Musculoskeletal Tumor According to WHO 2013 Classification

NM108-ED-X (Digital Education Exhibit)  
Lutetium Lu-177 Dotatate Challenges: Side Effects, Complications, and Disease Progression

NM109-ED-X (Digital Education Exhibit)  
Peptide Imaging with Somatostatin Analogs for Therapy Response Assessment of Neuroendocrine Tumors

NM110-ED-X (Digital Education Exhibit)  
Review of Imaging of Neuroendocrine Tumors Utilizing 68Ga-DOTATATE PET/CT

NM111-ED-X (Digital Education Exhibit)  
Lutetium (Lu-177) Radiolabeled Somatostatin Receptor Agonist Therapy in Neuroendocrine Tumors

NM112-ED-X (Digital Education Exhibit)  
Tumor-Induced Osteomalacia: What an Imaging Physician Should Know?

NM113-ED-X (Digital Education Exhibit)  
State-of-the-Art of PET/MR for Rectal Cancer: The Added Value to Conventional Imaging Work-Up

NM114-ED-X (Digital Education Exhibit)  
Monitoring Treatment of Lymphoma Using 18F-FDG PET/CT: Now and Then to the Future

NM115-ED-X (Digital Education Exhibit)  
Immune Checkpoint Inhibitor Therapy: What Every PET Reader Needs to Know

NM116-ED-X (Digital Education Exhibit)  
PET/MRI Neck Imaging: Applications, Protocols and Institutional Experience

NM117-ED-X (Digital Education Exhibit)  
Therapy Assessment of Metastatic Prostate Cancer on PSMA PET Imaging: How to Recognize the Patterns of Disease Response

NM118-ED-X (Digital Education Exhibit)  
Bone Scintigraphy Overview: Flash Cards for Residents

NM119-ED-X (Digital Education Exhibit)  
PSMA PET Imaging for Detection and Primary Staging of Prostate Cancer: Incremental Value Over Conventional Imaging Work-Up

NM120-ED-X (Digital Education Exhibit)  
FDG PET/CT Findings of Hepatic Tumor and Tumor-like Lesions Based on Molecule Background

NM121-ED-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Evaluation of Extrahepatic Shunting with 99mTc-MAA Hepatic Perfusion Before 90Y Radioembolization of HCC: A Concise Review

NM122-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Targeted Imaging of Gastro-Entero-Pancreatic Neuroendocrine Tumors with 68Ga-DOTATATE PET/CT and Simultaneous 68Ga-DOTATATE Gadoxetate PET/MRI

NM123-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Reassessing the Patterns of Response to Immunotherapy with PET Imaging: From Morphology to Metabolism

NM124-ED-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Not For the Young at Heart: Cardiac TTR Amyloid Nuclear Imaging - Technique, Pathology, and Incidental Findings

NM125-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Differential Diagnosis of Atypical Parkinsonian Syndromes using 18F-FDG PET/CT

NM126-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Bringing Light on the Era of Immunotherapy: The Role of CT and PET/CT-What Should We Know?

NM127-ED-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Emergent Findings on PET/CT

NM128-ED-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Finding the Target for Therapy by Imaging: A Comprehensive Review of the Theranostics (Re)Emerging in Nuclear Medicine

NM129-ED-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Prostate Cancer Imaging with 18F-Fluciclovine PET/CT: Physiologic Distribution, Clinical Applications, Interpretation Criteria and Pitfalls

NM130-ED-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
What is That Bright Spot? Mimics and Pitfalls in PET CT Scans in Oncological Imaging

NM131-ED-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Histiocytoses and Neoplasms of the Macrophage-Dendritic Cell Lineages: Multimodality Imaging with PET/CT Emphasis

NM132-ED-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Spectrum of Incidental Vascular Findings on 18F-FDG PET/CT Imaging

NM133-ED-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Radioisotope Safety Exam: What Every Radiology Resident Needs to Know to Pass the Exam

NM134-ED-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Tumor and Tumor-Like Diffuse Peritoneal Diseases on CT and FDG-PET/CT: A Correlation with Pathologic Findings

NM135-ED-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
"Virtual Planar Image" Reconstructed from SPECT Data: How to Process and Its Clinical Feasibility

NM136-ED-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Imaging in Chronic ThromboEmbolic Pulmonary Hypertension

NM137-ED-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
A Pictorial Review of Positron Emission Tomography with 18F-FDG in Rheumatoid Arthritis

NM138-ED-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Nuclear Scintigraphy in Adult Congenital Cardiovascular Diseases

NM139-ED-THA6 (Thu, 12:15-12:45 PM, Station #6)  
How We Do It: A Multidisciplinary Approach to Lu- 177 Dotatate PRRT (Peptide Receptor Radionuclide Therapy)

NM140-ED-THA7 (Thu, 12:15-12:45 PM, Station #7)  
Tc-99m MAG3 Renogram is a Useful Non-Invasive Diagnostic Tool to Evaluate Renal Function After Carbon-Ion Radiotherapy (CIRT) in Patients with Renal Cell Carcinoma

NM141-ED-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Beyond Pulmonary Embolism (PE): A Pictorial Review of the Mimickers of PE and Incidental Findings on Ventilation/Perfusion (V/Q) Scintigraphy

NM142-ED-THB7 (Thu, 12:45-1:15 PM, Station #7)  
Complexities and Complications: Lessons Learned in Developing a Lu-177 Theranostic Service from Research Trial to Clinical Practice

NM200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Role of Functional Imaging for Response Assessment of Lu177-DOTATATE Therapy for Neuroendocrine Tumors

NM201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Clinical Follow-Up after Imaging and Dosimetry for Yttrium-90 (90Y) Liver Radioembolization Using a SiPM-Based PET/CT Scanner

NM202-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Spectrum of Autoimmune Limbic Encephalitis on FDG PET/CT

NM203-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
The Utility of Positive 18F-FDG PET/CTs in Affecting Clinical Infectious Disease Management

NM204-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
18F-FDG PET/MRI of Patients with Chronic Pain Alters Management

NM205-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Clinical Impact of FDG PET-CT in the Management of  
Cancer Patients: Experience in 9000 Cases

NM206-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Diagnostic Performance FDG PET/CT-Guided Metabolic  
Biopsies in Thoracic Lesions

NM207-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
The Role of FDG-PET/CT in the Staging and Restaging of  
Cholangiocarcinoma: Results of a 10-Year Analysis

NM208-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Fluorine-18 Labeled Hydroxyphenethylguanidines:  
Prospective PET Imaging Agents for the Detection and  
Localization of Adrenergic Malignancies

NM209-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
18F-FDG PET/CT Predicts the Expression of PD-1/PD-L1  
Before Immunotherapy in Multiple Cancer Types

NM210-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
18F-FTC-146 PET/MR in Women with Chronic Pelvic Pain:  
Early Results

NM211-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Non-blood Sampling Assessment for Quantitative Cerebral  
Blood Flow in PET with 15O-labeled Oxygen Gas:  
Comparison with an Invasive Arterial Blood Sampling  
Method

NM212-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Relationship between Decreased Cerebral Blood Flow in  
123I-IMP SPECT and the Severity of Postoperative Memory  
Impairment of Anterior Communicating Artery Aneurysm: A  
Pilot Study

NM213-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
The Utility of FDG-PET/CT in the Staging and Restaging of  
Orbital Malignancies

NM214-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Correlation between 99m Tc-PYP Cardiac Accumulation  
Using SPECT/CT PYP Cardiac Accumulation and Cardiac  
Disturbance in Familial Amyloid Polyneuropathy Patients  
with Cardiac Amyloidosis

NM215-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Correlation of Wall Shear Stress on MR Angiography with  
18F-FDG and 18F-NaF Uptake on PET/CT in Patients with  
Carotid Artery Stenosis

NM216-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Variable Scintigraphic Presentations of Parathyroid Gland  
Hyperplasia on Parathyroid Scintigraphy: Results of a Multi-  
Year Analysis

NM217-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Role of a Portable Gammacamera for the Assessment  
of Margins Involvement after Radioguided Surgery of  
Pulmonary Nodules

NM218-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Malignancy Probabilistic Model in Mediastinal and Hilar  
Lymph Nodes in Lung Cancer Based on PET/CT and EBUS

NM219-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Convolution Neural Network in Grading of Parkinson  
Syndrome on Dopamine Transporter Single Photon  
Emission CT (DaT-SPECT) with (123I) Ioflupane

NM220-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Whole-Body [18F]FDG-PET/MRI versus [18F]FDG-PET/CT in  
Melanoma Patients

NM221-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Clinical Significance of FDG Uptake by Bone Marrow on the  
Prognosis of Head and Neck Squamous Cell Carcinoma

NM222-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
FDG Uptake of Bone Marrow on PET Has Prognostic  
Potential for Predicting Distant Recurrence in Breast  
Cancer Patients After Surgical Resection

NM223-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Early-Phase F-18 Florbetaben PET as an Alternative  
Modality for Diagnosis of Dementia

NM224-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Association between 18F-fluoromisonidazole Uptake  
Heterogeneity and Isocitrate Dehydrogenase 1 Mutation in  
Patients with Newly Diagnosed High-Grade Gliomas

NM225-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
The New Perspective of PET/CT for Axillary Node Staging  
in Breast Cancer Patients According to ACOSOG Z0011  
Trial

NM226-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Multi-Molecular Probe-Based Micro PET Imaging Combined  
with Tumor Markers in Predicting Colorectal Cancer Liver  
Metastasis

NM227-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Correlation of the Prognostic Value between Deauville and  
RECIL Therapy Response Scales in Hodgkin Lymphoma



NM228-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Association between 18F-FDG Uptake Heterogeneity and p16-Expression in Patients with Oropharyngeal Squamous Cell Carcinoma

NM229-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Usefulness of Combined Analysis Using Both FDG-PET and Diffusion MRI in Predicting Overall Survival in Invasive Ductal Pancreatic Cancer

NM230-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Inflammation in Acute Aortic Intramural Hematoma: CTA and PET/CT Correlation

NM231-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Trends in Brain Death Scintigraphy at a Tertiary Care Trauma Center

NM232-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
18F-fluciclovine PET/CT in Primary Staging of Prostate Cancer

NM233-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Comparison of 18F-Fluciclovine PET/CT with Conventional Imaging in Prostate Cancer Patients with Biochemical Recurrence

NM234-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Biochemical Recurrence with Low Values of PSA in Prostate Carcinoma after Radical Therapy: Sensibility of 68Ga-PSMA PET/CT

NM235-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Whole Prostate Total Lesion Activity on 18F-fluciclovine PET/CT and Prostate-Specific Antigen Level are Associated with the Presence of Metastasis at Primary Staging

NM236-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Prediction of Therapy Response in Soft Tissue Sarcoma Based on Multi-Dimensional PET/MRI

NM237-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
A Radiomics Signature Based on 18F-FDG PET-CT for Classification of Tumor Histopathology in Non-Small Cell Lung Cancer

NM238-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Clinical Utility of 18FDG-PET/CT in Treatment Response Assessment and Follow-Up of Lung Tumors Treated with Stereotactic Body Radiotherapy

NM239-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
18F FDG as a Prognostic Imaging Biomarker in the Era of LIRADS Diagnosis of Hepatocellular Carcinoma (HCC)

NM240-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Impact of PET/CT on Clinical Management in Patients with Cancer of Unknown Primary

NM241-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
FDG PET/MRI Analysis in Neurodegenerative Disorders: How Strong is the Correlation between Volumetric Analysis and Hypometabolism?

NM242-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Effects of New Block Sequential Regularized Expectation Maximization (BSREM) Reconstruction Algorithm on Visualization and Quantification of Small Abdominal Malignant Tumors in FDG PET-CT Examinations

NM243-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Qualitative [18F] FDG PET/MRI Assessment of Hypometabolism Patterns in Suspected Corticobasal Degeneration Syndromes

NM244-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
MUO-Metastasis of Unknown Origin in Head and Neck-Role of FDG PET CT in Finding The Culprit

NM245-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Comparison of 68Ga-DOTATOC PET-MRI and MR-DWI for Whole-Body Staging of Patients with Neuroendocrine Tumors

NM246-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
18 F-PET/MRI versus Contrast-Enhanced MRI in Detecting Loco-Regional HNSCC Nodal Metastases

NM247-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Using Artificial Intelligence to Quantify Simultaneous FDG and [68Ga]DOTATATE Neuroendocrine Tumor PET Imaging

# Obstetrical Imaging

OB001-EB-X (Hardcopy Backboard)  
Interpretation of Postpartum Imaging: A Challenge in Diagnosis and Management of Enhanced Myometrial Vascularity

OB002-EB-WEB (Wed, 12:45-1:15 PM, Hardcopy Backboard)  
FIGO Classification System of Leiomyomas in MRI

OB100-ED-X (Digital Education Exhibit)  
Diagnosis of Abdominopelvic Vascular Rare Pathologies of the Later Pregnancy and the Post-Partum: CT Imaging

OB101-ED-X (Digital Education Exhibit)  
Case-based Review of Adnexal Lesions: How to Differentiate Based on CT and MRI

OB102-ED-X (Digital Education Exhibit)  
Abnormalities of the Fetal Central Nervous System: Prenatal Ultrasound Diagnosis with Postnatal Correlation

OB103-ED-X (Digital Education Exhibit)  
Imaging Overview of Sex Cord Stromal Tumors of the Ovary: What the Radiologist Should Know

OB104-ED-X (Digital Education Exhibit)  
Role of MRI in Brachytherapy for Uterine Cervical Cancer: Why, When, and How - 'State-of-the-Art' and Spectrum of Imaging Findings

OB105-ED-X (Digital Education Exhibit)  
3-Dimensional Ultrasound of the Uterus: From the Mucosa to the Serosa

OB106-ED-X (Digital Education Exhibit)  
The Elusive Non-Adnexal Ectopic Pregnancy: Where It's Hiding and How You Will Find It

OB107-ED-X (Digital Education Exhibit)  
Teratoma: Various Manifestations and Complications

OB108-ED-X (Digital Education Exhibit)  
Transperineal 2D and 4D Ultrasound: Suburethral Sling - Peek-a-Boo!

OB109-ED-X (Digital Education Exhibit)  
Methotrexate Chemo Agent in Gynecological and Obstetric Practice: What the Radiologist Needs to Know

OB110-ED-X (Digital Education Exhibit)  
Abdominal Pain in Pregnancy: It's Not Always Appendicitis!

OB111-ED-X (Digital Education Exhibit)  
Cervical Carcinoma and Updated FIGO Staging: What Should Radiologists Know in 2019?

OB112-ED-X (Digital Education Exhibit)  
What to Expect When You're Inspecting: The Fetal Anatomy Scan

OB113-ED-X (Digital Education Exhibit)  
Uterine Waves: What Does it Mean and Where Can it Take Us?

OB114-ED-X (Digital Education Exhibit)  
Ovarian Carcinoma Recurrences at CT and MRI: Not Always that Simple! - A Case-based Review

OB115-ED-X (Digital Education Exhibit)  
Radiomics in Gynecological Cancer: Where Are We Now? An Educational Review of the Methods, Challenges, and Current Status

OB116-ED-X (Digital Education Exhibit)  
Malignant Transformation of Benign Gynecologic Diseases: Wide Spectrum of Clinical and Imaging Manifestations, Pitfalls, and Problem-Solving Advanced MR Techniques

OB117-ED-X (Digital Education Exhibit)  
Imaging Manifestations of Gynecologic Tumor-related Paraneoplastic Syndromes and Other Disease-Associated Disorders

OB118-ED-X (Digital Education Exhibit)  
Is that Normal? What the Radiologist Needs to Know About Contraceptive Devices

OB119-ED-X (Digital Education Exhibit)  
If, How, What, When?: The Head and Tail of a Monochorionic Tale!

OB120-ED-X (Digital Education Exhibit)  
At the Edge of Borderline Ovarian Tumors: Multimodality Imaging Overview

OB121-ED-X (Digital Education Exhibit)  
Radiation Exposure in Pregnancy: It's Hot in Here!

OB122-ED-X (Digital Education Exhibit)  
Endometriosis in Pregnancy: Expecting the Unexpected

OB123-ED-X (Digital Education Exhibit)  
The International Federation of Gynecology and Obstetrics (FIGO) Cancer Report 2019: An Imaging Update on Cervical Cancer Staging and Beyond

OB124-ED-X (Digital Education Exhibit)  
Congenital Diaphragmatic Hernia, Ultrasound and MRI: Demystifying the Measurement Methods and Their Prognostic Value

OB125-ED-X (Digital Education Exhibit)  
Case-based Imaging Review of Uncommon Female Pelvic Pathology

OB126-ED-X (Digital Education Exhibit)  
Gynecological Sarcomas: Imaging Features, Differential Diagnosis, and Recurrence Patterns

OB127-ED-X (Digital Education Exhibit)  
An Imaging-based Review of the New 2018 ACR White Paper on Ovarian-Adnexal Reporting Lexicon for Ultrasound with Case-based Examples and Structured Reporting

OB128-ED-X (Digital Education Exhibit)  
Pictorial Review of Coexistent Adnexal Masses During Pregnancy: Clinical Significance and Diagnostic Challenge

OB129-ED-X (Digital Education Exhibit)  
Ovarian and Adnexal Masses: When to Worry and When Not to Worry - Practical Guide to Enhancing Radiologist Role

OB130-ED-X (Digital Education Exhibit)  
Spectrum of Ovarian Tumors at CT and MRI: A Simplified Classification and Practical Approach

OB131-ED-X (Digital Education Exhibit)  
Imaging of Non-Obstetric Conditions in Pregnancy

OB132-ED-X (Digital Education Exhibit)  
When the Endometrium Attacks: A MRI Pictorial Review of Endometriosis

OB133-ED-X (Digital Education Exhibit)  
Coming Out of the Shade: Variable Imaging Appearance of Endometriosis

OB134-ED-X (Digital Education Exhibit)  
Prenatal Evaluation of Neural Tube Defects: A Simplified Imaging Algorithm

OB135-ED-X (Digital Education Exhibit)  
Ten Tips for Successful Interpretation of Transvaginal Ultrasound

OB136-ED-X (Digital Education Exhibit)  
Fetal Well-Being in Intrauterine Growth-Restriction: What the Radiologist Needs to Know

OB137-ED-X (Digital Education Exhibit)  
Not So Epithelial: Review of Imaging and Clinical Features of Less Common, but Not Forgotten, Ovarian Neoplasms

OB138-ED-X (Digital Education Exhibit)  
MRI in Mayer Rokitansky Kuster Hauser (MRKH) Syndrome: Proving Its Potential as Diagnostic and a Preoperative Surgical Roadmap!

OB139-ED-X (Digital Education Exhibit)  
MRI of Pelvic Infections in the Female Pelvis

OB140-ED-X (Digital Education Exhibit)  
Your Questions Answered: A Summary of the 2018 FIGO Staging Classification for Cervical Cancer

OB141-ED-X (Digital Education Exhibit)  
Systematic Radiological Approach to Evaluate Female Infertility: A Pictorial Review

OB142-ED-X (Digital Education Exhibit)  
Hysterosalpingography (HSG) in the Diagnosis and Management of Fallopian Tube Disease: SIN, Sacrifice and Salvation - Not Simply a Test of Tubal Patency!

OB143-ED-X (Digital Education Exhibit)  
Endometriosis Without Mysteries: Unravelling Ultrasound Exam Techniques and Imaging Findings Spectrum

OB144-ED-X (Digital Education Exhibit)  
Imaging Characteristics of Uterine Sarcomas versus Leiomyoma Variants

OB145-ED-X (Digital Education Exhibit)  
Role of PET/MRI in Staging of Cervical Cancer Under the Newly Updated FIGO Staging System

OB146-ED-X (Digital Education Exhibit)  
Cervical Carcinoma FIGO New Staging: What Changed?

OB147-ED-X (Digital Education Exhibit)  
Twists, Turns, and Flames on MRI of the Adnexa: Pearls & Pitfalls in Evaluating Adnexal Emergencies

OB148-ED-X (Digital Education Exhibit)  
Primary Vaginal Neoplasms: The Most Frequent Clinical and Radiological Aspects of Each Subtype

OB149-ED-X (Digital Education Exhibit)  
Still Finding Your Feet with 3D US Cervical Cancer Staging? We're Here to Help!

OB150-ED-X (Digital Education Exhibit)  
Magnetic Resonance Imaging Findings of Vulva: What is the Differential Diagnosis?

OB151-ED-X (Digital Education Exhibit)  
Nice to Know UFE: Tips and Tricks for Evaluating the Pre and Post Uterine Fibroid Embolization Patient

OB152-ED-X (Digital Education Exhibit)  
Multimodal Imaging Evaluation of the Normal Endometrium and Its Pathology with a Pictorial Review of the Ultrasound Concepts of the International Endometrial Tumor Analysis (IETA) Consensus

OB153-ED-X (Digital Education Exhibit)  
MRI of Thickened Uterine Junctional Zone: Beyond Adenomyosis

OB154-ED-X (Digital Education Exhibit)  
Variable Fetal Neoplasms and Mimickers - A to Z

OB155-ED-X (Digital Education Exhibit)  
Imaging of Endometriosis-Associated Ovarian Cancer

OB156-ED-X (Digital Education Exhibit)  
Too Much Water in the Head: Multi-Modality Imaging Review of Fetal Ventriculomegaly, Intracranial Cystic Masses, and Mimics

OB157-ED-X (Digital Education Exhibit)  
Radiologist Primer on Imaging Evaluation of Fallopian Tubes and Related Pathology

OB158-ED-X (Digital Education Exhibit)  
Update on Ovarian Neoplasm: What Radiologists Need to Know on Clinical, Laboratory, and an Algorithmic Imaging Approach to Benign versus Malignant Neoplasms

OB159-ED-X (Digital Education Exhibit)  
Multimodality Imaging Evaluation of Pelvic Inflammatory Disease and Its Related Complications

OB160-ED-X (Digital Education Exhibit)  
Cervical Cancer Staging: What's New?

OB161-ED-X (Digital Education Exhibit)  
MR Imaging Evaluation of Pelvic Visceral Nerves: Correlation with Surgical Findings

OB162-ED-X (Digital Education Exhibit)  
TRICKS and TWISTS of the Trade: Time-Resolved MRA for Evaluation of the Female Pelvis

OB163-ED-X (Digital Education Exhibit)  
In Utero Brain Curves: Analysis and Staging

OB164-ED-X (Digital Education Exhibit)  
Multimodality Appearances, Significance, and Complications of Mullerian Duct Anomalies

OB165-ED-X (Digital Education Exhibit)  
Ovarian Mass: The Roadmap in Descriptions, Diagnosis, and Structured Report

OB166-ED-X (Digital Education Exhibit)  
A User Guide of Susceptibility Weighted Imaging (SWI) for Female Pelvis Lesions Evaluation

OB167-ED-X (Digital Education Exhibit)  
Morphological and Biometric Analysis of Posterior Fossa Structures by Fetal MRI: Step-by-Step

OB168-ED-X (Digital Education Exhibit)  
FIGO, Fibroids, and You

OB169-ED-X (Digital Education Exhibit)  
Leiomyoma Variants: From Benign Degeneration to Sarcomatous Change-Can We Predict Histopathology on MRI Before Treatment?

OB170-ED-X (Digital Education Exhibit)  
Chocolate Cysts and Implants: What the Gynecologist Wants to Know

OB171-ED-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Size Matters: What Radiologists Need to Know About Fetal Growth

OB172-ED-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Go with the Flow: Understanding Pathways of Disease Spread in Ovarian Cancer and How to Apply RECIST 1.1

OB173-ED-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Opening Up the Ovary: A Multimodality Approach to Imaging Ovarian Neoplasms with Pathology Correlation

OB174-ED-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
O-RADS Made Easy: A Pictorial Review

OB175-ED-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Adenomyosis in Pregnancy: Diagnostic Pearls and Pitfalls

OB176-ED-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
7 Tips to Tell It's Twisted: Pearls and Pitfalls in the Diagnosis of Pelvic Adnexal Torsion

OB177-ED-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Evolution of Diagnosis and Management of Adnexal Masses on Ultrasound: Where We Are in 2019

OB178-ED-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Adnexal Torsion: A Review of the Radiological Appearances

OB179-ED-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Fetal Facial Mass and Mass-like Lesions

OB180-ED-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Uterine Arteriovenous Malformations or Enhanced Myometrial Vascularity: The Distinction is Critical to Management - A Clinical and Imaging Review

OB181-ED-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Nodules and Thickening of Uterosacral Ligament: An Underdiagnosed Feature of Deep Endometriosis (DE) on Endovaginal Sonography

OB182-ED-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Mastering Complex Müllerian Duct Anomalies

OB183-ED-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Imaging for Fetal Interventions: Criteria, Considerations, and Complications

OB184-ED-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
When the 'Floor' Falls: A Basic Guide to Assess to Dynamic Female Pelvic Floor MRI

OB185-ED-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Imaging Findings that Mimic Endometriosis: Tips and Tricks

OB186-ED-THA1 (Thu, 12:15-12:45 PM, Station #1)  
The Enlarged Cisterna Magna: A Practical Imaging Algorithm for Diagnosis of the Most Common Posterior Fossa Abnormalities

OB187-ED-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Diagnosis and Characterization of Female Pelvic Floor Dysfunction: Ultrasound Takes the Challenge

OB188-ED-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Ventriculomegaly: A Practical Diagnostic Algorithm

# Pediatric Radiology

PD001-EB-X (Hardcopy Backboard)  
Quantitative Color-Coded Digital Subtraction  
Neuroangiography for Pediatric Arteriovenous Shunting  
Lesions

PD002-EB-X (Hardcopy Backboard)  
Basal Ganglia Germinomas: Rare but Important Diagnosis

PD003-EB-X (Hardcopy Backboard)  
Vascular Anomalies Associated with Limb Overgrowth

PD004-EB-X (Hardcopy Backboard)  
Fibrous Tumors of Infancy and Childhood: Current Biological  
Concepts and Imaging Features

PD005-EB-X (Hardcopy Backboard)  
Dynamic Contrast-Enhanced Magnetic Resonance  
Lymphangiography for Atypical Lymphatic Malformations in  
Pediatric Patients

PD006-EB-X (Hardcopy Backboard)  
An Update on Ultrasound of Intracranial Hemorrhage in  
Premature Infants

PD007-EB-X (Hardcopy Backboard)  
Abusive Head Trauma: State of the Art

PD100-ED-X (Digital Education Exhibit)  
Use of Postnatal Ultrasound to Decide the Repair and  
Surgical Methods for Congenital Diaphragmatic Hernia

PD101-ED-X (Digital Education Exhibit)  
Diagnostic Strategy of Pyriform Sinus Fistula

PD102-ED-X (Digital Education Exhibit)  
Image Findings of Aneurysms in Children

PD103-ED-X (Digital Education Exhibit)  
Stop the Recurrence! Predisposing Conditions of Bacterial  
Meningitis in Pediatric Population: What Radiologists Need  
to Know

PD104-ED-X (Digital Education Exhibit)  
Vanishing White Matter Disease Made Easy: Does It Really  
Matter?

PD105-ED-X (Digital Education Exhibit)  
A Road Through Myelin: Brain Edema in Neonatal Inborn  
Error of Metabolism Pathology and Pathophysiology

PD106-ED-X (Digital Education Exhibit)  
Baby Bowel: Optimized Ultrasound Evaluation of Neonatal  
Bowel Obstruction with Review of Both Congenital and  
Acquired Causes

PD107-ED-X (Digital Education Exhibit)  
The Collagenopathies in the Cartilage: Type 2  
Collagenopathies and Related Disorders

PD108-ED-X (Digital Education Exhibit)  
Imaging, Diagnosis, and Classification of Pulmonary  
Hypertension in Infants and Children

PD109-ED-X (Digital Education Exhibit)  
Expanding the Role of Head Ultrasound in the NICU: More  
than Germinal Matrix Hemorrhage

PD110-ED-X (Digital Education Exhibit)  
Portal to an Unknown Destination: Imaging of Congenital  
Hepatic Vascular Shunts

PD111-ED-X (Digital Education Exhibit)  
Dual-Energy CT for the Pediatric Radiologist: Tools to  
Incorporate into Daily Practice

PD112-ED-X (Digital Education Exhibit)  
Central Nervous System Manifestations of Hereditary  
Hemorrhagic Telangiectasia in Children

PD113-ED-X (Digital Education Exhibit)  
Oncogenesis, Diagnosis, and Management of Pediatric Soft  
Tissue Sarcomas

PD114-ED-X (Digital Education Exhibit)  
Not Just 'Hemangiomas'! Diagnostic Approach to Pediatric  
Vascular Anomalies

PD115-ED-X (Digital Education Exhibit)  
Cinematic Rendering of Pediatric Thoracic Vascular  
Anomalies

PD116-ED-X (Digital Education Exhibit)  
When Cookie-Cutter Does Not Cut It: Spectrum of  
Pathology, Unique Challenges, Pitfalls, and Optimization  
Strategies for MR of the Very Young Skeleton

PD117-ED-X (Digital Education Exhibit)  
Unusual Tumors of the Interventricular Foramen in Children

PD118-ED-X (Digital Education Exhibit)  
Pictorial Peekaboo! MRI of Need-to-Know Fetal Masses and  
Mass-like Conditions with Their Ultrasound Correlates

PD119-ED-X (Digital Education Exhibit)  
Imaging of Congenital and Developmental Vertebral Anomalies

PD120-ED-X (Digital Education Exhibit)  
CT Imaging of Fetal Skeletal Anomalies at Minimized Radiation Exposure: Clinical Significance, Indications, and Scan Protocol

PD121-ED-X (Digital Education Exhibit)  
Recurrent Pneumonia in Children: Who is Hiding Behind the White Curtains? A Comprehensive Approach and Review of the Experience in Our Institution

PD122-ED-X (Digital Education Exhibit)  
Abdominal Imaging in Children with Fontan Circulation

PD123-ED-X (Digital Education Exhibit)  
The Congenital Abnormalities of the Posterior Fossa: A Pediatric Radiologist's Reckoning

PD124-ED-X (Digital Education Exhibit)  
A Scope on the Pediatric Eye: A Review of Vascular and Neoplastic Orbital Pathologies

PD125-ED-X (Digital Education Exhibit)  
Classification of Vascular Anomalies: What's New?

PD126-ED-X (Digital Education Exhibit)  
Tips and Tricks in Perinatal Stroke

PD127-ED-X (Digital Education Exhibit)  
Comprehensive Review of Pre-Operative and Post-Operative Imaging in Pediatric Patients with Craniosynostosis

PD128-ED-X (Digital Education Exhibit)  
Pictorial Review of Biliary Disorders in Infants and Children

PD129-ED-X (Digital Education Exhibit)  
Point-of-Care Lung Ultrasonography in the Neonatal Intensive Care Unit: A Promising and Controversial Tool

PD130-ED-X (Digital Education Exhibit)  
Congenital Pulmonary Artery Anomalies: Multimodality Imaging Review

PD131-ED-X (Digital Education Exhibit)  
Ewing Sarcoma and Osteosarcoma in Children: Advanced Multiparametric MRI

PD132-ED-X (Digital Education Exhibit)  
Congenital Fetal Thoracic Conditions with Post-Natal Correlation

PD133-ED-X (Digital Education Exhibit)  
Ultrasound Elastography in Children: How We Do it and What is it Helpful For?

PD134-ED-X (Digital Education Exhibit)  
Oncologic Treatment Complications in Pediatric Population

PD135-ED-X (Digital Education Exhibit)  
3D EOS: A New Way to Image Pediatric Scoliosis

PD136-ED-X (Digital Education Exhibit)  
Pediatric Breast Ultrasound: What's That About?

PD137-ED-X (Digital Education Exhibit)  
Main Uncommon Neoplasms of the Central Nervous System (CNS) in the Pediatric Population: Review of 7774 Cases

PD138-ED-X (Digital Education Exhibit)  
Lumps and Bumps in Children: A Multimodality Approach

PD139-ED-X (Digital Education Exhibit)  
A Systematic Approach to Pediatric Neuroimaging in Critical Care: What to Look For, When to Survey, and Why You Should Care

PD140-ED-X (Digital Education Exhibit)  
Recent Updates to the PRETEXT (PRE-Treatment EXTent of Tumor) System for Hepatoblastoma in Children: An Atlas for Radiologists

PD141-ED-X (Digital Education Exhibit)  
Imaging of the Pediatric Ocular Globe: Navigating the Murky Humors

PD142-ED-X (Digital Education Exhibit)  
Myriad of Radiological Manifestations in Pediatric Tuberculosis: A Galaxy of Out-of-Box Presentations and Masqueraders

PD143-ED-X (Digital Education Exhibit)  
Sonographic Assessment of Cranial Sutures: A Safe Screening Tool to Rule Out Craniosynostosis in Children

PD144-ED-X (Digital Education Exhibit)  
Decision Making Flowchart for Pediatric Head Trauma and Birth Related Head Injuries: Ultrasonography or Computed Tomography?

PD145-ED-X (Digital Education Exhibit)  
Breaking the Tie: Is That Cord Tethered?

PD146-ED-X (Digital Education Exhibit)  
Mullerian Duct Anomalies: MRI Imaging in Pediatrics

PD147-ED-X (Digital Education Exhibit)  
Approach to the Diagnosis of Sellar and Juxtaseellar  
Conditions in Pediatric Population

PD148-ED-X (Digital Education Exhibit)  
Contrast-Enhanced Ultrasound (CEUS) in the Diagnosis and  
Management of Pediatric and Adolescent Disease

PD149-ED-X (Digital Education Exhibit)  
Neuronal and Mixed Neuronal-Glial Tumors in Children:  
DNTs and Beyond

PD150-ED-X (Digital Education Exhibit)  
Diffuse and Interstitial Childhood Lung Diseases:  
Classification and Cases Review

PD151-ED-X (Digital Education Exhibit)  
Keep Calm and Take a Deep Breath: A Pictorial Essay of the  
Main Findings in Lung Congenital Malformations

PD153-ED-X (Digital Education Exhibit)  
Use of Ultrasound as an Alternative in the Control,  
Monitoring, and Therapeutic Behavior of Obstetric Brachial  
Plexus Palsy: Is it Possible to Dispense and Replace the  
Computed Tomography Study?

PD154-ED-X (Digital Education Exhibit)  
ADC as a Predictive Factor in the Response to Treatment of  
Pediatric Patients with Radiological Diagnosis of Brainstem  
Glioma

PD155-ED-X (Digital Education Exhibit)  
HELP ME! Head, Extremities, Length, Pelvis, Mineralization,  
and Extra Clinical Information: A Working Algorithm for  
Radiologic Diagnosis of Skeletal Dysplasias and Syndromes

PD156-ED-X (Digital Education Exhibit)  
Congenital Lower Limb Abnormalities: A Case-based  
Review

PD157-ED-X (Digital Education Exhibit)  
Update on Pediatric Demyelinating Disorders

PD158-ED-X (Digital Education Exhibit)  
Pediatric Focal Nodular Hyperplasia: Imaging Features and  
Diagnostic Difficulties

PD159-ED-X (Digital Education Exhibit)  
Pediatric Abdominal Lymphoma: Imaging Features of  
Common and Uncommon Primary Sites

PD160-ED-X (Digital Education Exhibit)  
Challenges and New Perspectives in Pediatric  
Cardiomyopathies Characterization by Cardiac Magnetic  
Resonance: What to Know and What to Look For

PD161-ED-X (Digital Education Exhibit)  
Head Lumps in Children

PD162-ED-X (Digital Education Exhibit)  
Intussusception in Children: Impact of Sonography in the  
Therapeutic Management

PD163-ED-X (Digital Education Exhibit)  
Diagnostic Value of MRI Radiomics in Detection of  
Microstructural Changes in Pituitary of Children with  
Growth Hormone Deficiency

PD164-ED-X (Digital Education Exhibit)  
Ultrasound Imaging Parameters: What the Pediatric  
Radiologist Needs to Know

PD165-ED-X (Digital Education Exhibit)  
Disaster Strikes When You Least Expect It: Late  
Complication in Pediatric Diseases

PD166-ED-X (Digital Education Exhibit)  
State-of-the-Art Imaging of Pelvic Pain in the Pediatric  
Female

PD167-ED-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Neuro-Imaging of Neuronal and Mixed Glioneuronal Tumors:  
Current Status and Future Prospects

PD168-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
Contrast-Enhanced Ultrasound (CEUS) Findings in Pediatric  
Hepatobiliary and Pancreatic Malignancies

PD169-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
Diffusion Weighted Imaging of Pediatric Spine: Technique  
and Clinical Applications

PD170-ED-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Pediatric Systemic Vasculitis: Tips for Diagnosis



PD171-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
You Cannot Forget it Once You See: ACTA2 Mutation  
Cerebral Arteriopathy

PD172-ED-SUB8 (Sun, 1:00-1:30 PM, Station #8)  
False Positive Findings on 18F-FDG PET/MR in Pediatric  
Oncology Patients

PD173-ED-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Before and After: Review of Fetal MR Imaging with  
Postnatal Follow-Up

PD174-ED-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Superficial Soft-Tissue Lesions with High Vascular Density  
on Sonography in Pediatric Patients: More Than Just  
Hemangiomas

PD175-ED-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Spotlight on the Pediatric Eye: A Review of Orbital Anatomy  
and Congenital Orbital Pathologies

PD176-ED-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Visualizing 4D Airway Data from Dynamic CT

PD177-ED-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Subpial Hemorrhage in Neonates: What Radiologists Need  
to Know

PD178-ED-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Dual-Energy CT Applications in the Pediatric Cardiothoracic  
Imaging

PD179-ED-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
A Case-based Review of Pancreatic Lesions in Children

PD180-ED-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Spectrum of Imaging Findings in Neonatal Chikungunya  
Encephalitis

PD181-ED-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Practical Application of Microvascular Ultrasound Imaging  
in Children

PD182-ED-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
A Panorama of Panorex: A Guide for Identifying Important  
Pathology on Pediatric Panorex

PD183-ED-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Fetal MRI: 20 Years of Experience in Urinary System  
Anomalies with Pathologic Correlation and/or Postnatal  
Follow-Up

PD184-ED-THA7 (Thu, 12:15-12:45 PM, Station #7)  
Evaluating the Feasibility of ACR-TIRADS Classification  
System for Pediatric Thyroid Nodules

PD185-ED-THA8 (Thu, 12:15-12:45 PM, Station #8)  
Chest Wall Neoplasms in Children

PD186-ED-THB7 (Thu, 12:45-1:15 PM, Station #7)  
360 Degrees of Pediatric Biliary Disease: Multimodality  
Imaging Review

PD187-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
Suprasellar Tumor and Tumor-like Lesions in Children

PD188-ED-X (Digital Education Exhibit)  
Contrast-Enhanced Ultrasound (CEUS) in Pediatric Patients:  
Overview of Bowel Applications

PD200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Prognostic Value of CTA-Derived Left Ventricular Mass in  
Neonate Infants with Congenital Heart Disease

PD201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Utility of Elbow Radiographs for Pediatric Patients with  
Torus Fractures of the Wrist

PD203-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Metaphyseal Lesions in the Knee: A Review of 84 Patients  
with Achondroplasia - Beyond Irregularities, Splaying, and  
Fraying

PD204-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Thoracic Osteoarticular Pathology in Cystic Fibrosis: A  
Source of Added Comorbidity Coming Along with Longer  
Life Expectancy - How Prevalent is It and How Much Does  
It Depend on the Degree of Lung Involvement?

PD205-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Artificial Intelligence System Improves the Performance of  
Radiologist in Bone Age Assessment

PD206-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Accuracy of Transperineal Sonography for Determination of  
the Type of Imperforate Anus

PD207-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Accuracy of Ultrasonography and MRI for the Detection of  
Orofacial Clefts

PD208-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Imaging Types and Features of 72 Cases with Pulmonary  
Congenital Lymphatic Diseases in Children

PD209-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Imaging of Childhood Pulmonary Langerhans Cell  
Histiocytosis

PD210-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Role of Diffusional Kurtosis Imaging in Distinguishing  
Abdominal Neuroblastic Tumors of Various Histological  
types and Differentiation Grades: Preliminary Results

PD211-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Sonographic Evaluation of Rectoanal Inhibitory Reflex  
(RAIR) in Patients with Hirschsprung Disease

PD212-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
The Evaluation of Mono-Energetic Reconstruction Images of  
Children's Liver Parenchyma in Revolution CT

PD213-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Pulmonary Atelectasis in Pediatric Patients Undergo MRI  
Study in General Anesthesia

PD218-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Modified Multi-Scale U-Net Deep-Learning Network for  
Pediatric Hand Bone Segmentation in X-Ray Image

PD220-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Role of Fetal MRI in the Assessment of the Central Nervous  
System (CNS) Involvement in Fetuses with Congenital Heart  
Diseases (CHD)

PD223-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Diffusion and Perfusion Quantified by IntraVoxel Incoherent  
Motion Imaging in the Study of Normal Pulmonary and  
Renal Maturation During Prenatal Life: A Fetal MR Study

PD226-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
MRI Study of Fetal Brainstem-Vermis and Brainstem-  
Tentorium Angles and Its Relationship with Mega Cisterna  
Magna

PD227-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
To Evaluate the Role of 18F-FDG PET/CT versus  
Conventional Imaging for Initial Staging and Follow-Up of  
Pediatric Sarcomas

PD229-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Usefulness of Cardiac T1 and T2 Mapping in Pediatric  
Patients with Myocarditis: Do We Need Gadolinium?

PD230-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
Does Liver Biopsy with Larger Needles and Tract  
Embolization in Liver Transplant Patients have a Higher  
Complication Rate?

PD231-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Accuracy and Precision in Pediatric Chest Radiograph  
Interpretation: A Comparison of Radiology Subspecialists

PD232-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
3D UTE-MRI for Combined Morphologic and Functional  
Imaging in Pediatric Patients with Pulmonary Disease:  
Initial Experience

PD234-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Utility of Fetal Magnetic Resonance Imaging in Assessing  
Normal and Abnormal Fetal Cardiac Axis

PD235-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Symmetrical Functional Connectivity Strength Between  
Bilateral Anterior Heschl's Gyri Are Negatively Associated  
With Receptive Function During Infancy

PD237-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Conventional and ZOOMit DWI for Evaluation of Fetal Brain  
at 3T: Preliminary Experience

PD238-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Connectomics: A Novel Imaging-Based Approach to  
Characterize Brain Network Changes in Children with Post-  
Surgical Posterior Fossa Syndrome

PD239-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Advanced Hemodynamic Monitoring of the Heart and Fetal  
Channels in Newborn Infants Using Ultrafast Ultrasound  
Blood Flow Imaging

PD242-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Utility of Non-Contrast Doppler Sonography in Diagnosing  
Vesicoureteral Reflux in Children: Report from a Developing  
Country

PD244-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Intussusception Reduction Techniques in Children: What Do  
Radiologists Do in the Developing World? National Survey  
Findings from Pakistan

PD245-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Image-Guided Biopsies of Superficial Soft-Tissue Lesions in  
Children: An Analysis of Clinical and Imaging Presentation  
and Diagnostic Yield of the Procedure

PD246-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
A Short-Term MRI Study of Acetabular Adaptation in  
Developmental Dysplasia of the Hip Treated by Open  
Reduction or Open Reduction Combined with Dega  
Osteotomy

PD247-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Performance of Deep-Learning-Based Algorithm for  
the Detection of Ileocolic Intussusception on Abdominal  
Radiography of Young Children

PD249-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Utilization of Knee Radiography as a Method for Bone Age  
Evaluation

PD250-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
Morphometric Technique for Cortical Parameters Estimation  
in Neonates Affected By Congenital Diaphragmatic Hernia  
(CDH)

PD251-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Automated Bone Age Assessment with Joint Ossification  
Center Detection from Hand Radiograph

# Physics

PH001-EB-X (Hardcopy Backboard)  
Neuroimaging Protocols for Large Scale Multi-Center Research Studies: From Volumetrics to Structural-Functional Connectomics

PH002-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
The Need for Virtual X-Ray Fluoroscopic Imaging in Trauma IR: The Best for Proton Irradiation Dose Reduction

PH003-EB-SUA (Sun, 12:30-1:00 PM, Hardcopy Backboard)  
Phantom Study of Prone Breast PET/CT Targeted Towards Improving Clinical Applications

PH004-EB-MOB (Mon, 12:45-1:15 PM, Hardcopy Backboard)  
Numerical Head Model and Simulator for Evaluating Cerebral Microbleed Detection Limits Using MRI

PH005-EB-X (Hardcopy Backboard)  
How to Manage Image Quality and Radiation Exposure for an X-Ray System Using a Flat-Panel Detector

PH006-EB-X (Hardcopy Backboard)  
Characteristics and Optimization of Five Company CT-AEC in Pediatric Abdominal CT

PH007-EB-X (Hardcopy Backboard)  
Photon Counting Technique: How to Analyze a Novel Quantitative Image?

PH008-EC-SUA (Sun, 12:30-1:00 PM, Custom Application Computer Demonstration)  
The Study of the Effect Factors of Radiation Field in Wide-Detector CT

PH100-ED-X (Digital Education Exhibit)  
Cinematic Rendering: A Novel 3D Visualization Technique for Soft Tissues

PH101-ED-X (Digital Education Exhibit)  
Evaluation of the CT Number of Different Iodine Concentration Contrast Media on Different Generations Dual-Energy CT Imaging

PH102-ED-X (Digital Education Exhibit)  
Influence of the Center of Rotation of the X-Ray Tube in Tomosynthesis Imaging

PH103-ED-X (Digital Education Exhibit)  
Improvement of Image Analysis Accuracy on Fast kVp Switching Dual-Energy CT with Optimum Scan Parameter

PH104-ED-X (Digital Education Exhibit)  
Perfusion CT: Concepts and Applications in Abdominal Imaging

PH105-ED-X (Digital Education Exhibit)  
Easier-to-Understand Fast MR Imaging: Pictorial Review of K-Space

PH106-ED-X (Digital Education Exhibit)  
Is Your Head Spinning Yet? MRI Acceleration Techniques for the MSK Guy

PH107-ED-X (Digital Education Exhibit)  
MR Alphabet Soup: Understanding the Principles of Common Magnetic Resonance Abbreviations

PH108-ED-X (Digital Education Exhibit)  
Recommendation for Optimization Considering Pit Fall of Virtual Monochromatic Image in Dual-Layer Detector CT

PH109-ED-X (Digital Education Exhibit)  
Effective Use of Radiation Protective Equipment in Fluoroscopy: Separating Real from Fake News

PH110-ED-X (Digital Education Exhibit)  
The Image Quality of Ultra-High-Resolution CT with Deep Learning-Based Reconstruction Attracted the Diagnostic Radiologists!

PH112-ED-X (Digital Education Exhibit)  
Make Your Images Less Susceptible: Improving Magnetic Resonance Imaging Quality in Patients with Implants

PH113-ED-X (Digital Education Exhibit)  
A Survey of CT Iterative Reconstruction (IR) Techniques

PH114-ED-X (Digital Education Exhibit)  
Development of Doppler-like CT Image Using Color Sequential Subtraction

PH115-ED-X (Digital Education Exhibit)  
CT Noise Reduction Methods to Facilitate Lower Dose Scanning: Strengths and Weaknesses of Iterative Reconstruction and New Kids on the Block

PH116-ED-X (Digital Education Exhibit)  
Compressed Sensing MRI in Clinical Practice: From Theory to Practical Implementation in a Few Clicks

PH117-ED-X (Digital Education Exhibit)  
Detection of Tendon for Rheumatoid Arthritis in Ultrasonography

PH118-ED-X (Digital Education Exhibit)  
IAEA Atlas on Quality Control and Image Artefacts in SPECT/CT

PH119-ED-X (Digital Education Exhibit)  
Improving Head Imaging Quality for Patients with Nervous System Disease who Have Constant Uncontrolled Head Motion

PH120-ED-X (Digital Education Exhibit)  
An MDCT Tutorial: Scan Coverage, Speed, Dose Output and Field of View

PH121-ED-X (Digital Education Exhibit)  
Sequence Design of Correction of Magnetic Resonance Metal Artifacts

PH122-ED-X (Digital Education Exhibit)  
Art(ifact) Matters: Brain and Spine MRI Artifacts at 1.5 Tesla with Tips and Tricks on How to Eliminate Them

PH123-ED-X (Digital Education Exhibit)  
Whole-Body Clinical Applications and Diagnostic Performance of Dual-Energy Subtraction Radiography

PH124-ED-X (Digital Education Exhibit)  
Unusual Cause of PET/CT Artifacts: Collection and Root Cause Analysis

PH125-ED-X (Digital Education Exhibit)  
Graph Theory and Resting-State Functional MRI: New Tools to Explore the Brain

PH126-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
An Update on Multienergy CT: Physics, Principles and Applications

PH127-ED-SUB8 (Sun, 1:00-1:30 PM, Station #8)  
A Handbook of Non-EPI Diffusion Tensor Imaging Sequences: Physical Basis, Technical Adjustments, and Potential Clinical Applications

PH128-ED-SUB7 (Sun, 1:00-1:30 PM, Station #7)  
Contrast-Enhanced Spectral Mammography (CESM): How Does It Work?

PH129-ED-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
MR Image Artifacts: RF Coil Related or Not?

PH130-ED-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Oncological Applications of Diffusion Kurtosis in the Genitourinary System: How, When, and Why?

PH131-ED-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
Ultra-High Field (7T) Two-Dimensional Correlation Spectroscopy to Study Brain Tumors

PH132-ED-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
Pocket Guide for Understand (and Successfully Apply) US and MRI Elastography Techniques

PH133-ED-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
Impact of 4D- Ultra-Short Echo Time MR Angiography on Neuroimaging

PH134-ED-X (Digital Education Exhibit)  
How to Utilize Metal Artifact Reduction for Single Energy and Dual Energy

PH135-ED-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Sonar to the Rescue: Curb Ionizing Radiation with Application of Contrast-Enhanced Ultrasound and Elastography/Controlled Attenuation Parameter Techniques

PH136-ED-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
Triple-Rule-Out CT Angiography on 16cm Wide-Detector CT with Dual-Energy Spectral Mode: How to Obtain More (Information) with Less (Dose)

PH137-ED-THA8 (Thu, 12:15-12:45 PM, Station #8)  
Variable Skull Density Ratio for Transcranial MR-Guided Focused Ultrasound Thalamotomy: Is it Possible to Correlate Different Venders

PH138-ED-THB8 (Thu, 12:45-1:15 PM, Station #8)  
Know Your Dark Horse in Imaging: Acquisition and Physics Behind Dual-Energy CT and Its Application in Cardiac Imaging

PH139-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
Reliability Assessment of CT-based Texture Analysis Metrics

PH200-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Super-Resolution Blood Flow Imaging in Human Liver Using Ultrasound Diffraction Attenuation Microscopy

PH201-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
Patient-Informed and Physiology-Based Modelling of Hepatic Contrast Dynamics in Contrast-Enhanced CT Imaging

PH202-SD-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
The Value of DWI Combined with DCE in the Differential Diagnosis of Orbital Lymphoma and Inflammatory Pseudotumor

PH203-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Impact of Deep-Learning Reconstruction Compared to Iterative Reconstruction: First Use in Cardiac CT in a Stroke Protocol

PH204-SD-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Point-of-Care Cone-Beam CT of Head Injury: Diagnostic Performance Evaluation

PH205-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Training a U-Net Deep Learning Network for Tumor Cell Detection and Segmentation in Pathologic Images Using Incomplete Annotation

PH206-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Proton Radiography for Pre-Treatment Range Verification in Proton Beam Therapy

PH207-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Comparison of Image Quality and Subjective Acceptance in Abdominal CT By Ultrahigh-Resolution CT at Different Radiation Doses Between Model-Based Iterative and Deep Learning Reconstructions: Phantom and Clinical Pilot Studies

PH208-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Deep Learning-Based Liver Segmentation in Abdominal CT Images to Support Automatic Contouring in Radiotherapy Treatment Planning

PH209-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Construction and Pre-Evaluation of an In-House Cylindrical Ionization Chamber Fabricated from Indigenous Materials

PH210-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Assessment of the Performance of a Multifrequency Doppler Spectral Analysis (MFDSA) Algorithm in the Screening of Cardiovascular Disease

PH211-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Organ Dose Evaluations for Individual Patients in Chest-Abdomen-Pelvis CT Examinations Using Deep Learning-Based Automatic Segmentation

PH212-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
CT Radiation Dose in a Developing Nation: Justification, Acquisition, and Reconstruction Issues

PH213-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Can We Estimate Metabolic Risk on Low-Dose Chest CT? A New Index of Pericardial and Intrathoracic Fat Depots Estimated from a Series of Low-Dose Screening Chest CT

PH214-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Scanned Projection Radiograph and Ultra-Low-Dose CT for Monitoring PICC Line Malposition

PH215-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Improvement of Nodule Classification Using Domain-Transformed Chest X-Ray Images

PH216-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Novel Ultrahigh-Resolution CT Using a CMOS Detector Built on a Conventional Multislice CT Scanner's Detector

PH217-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Quantitative Analysis of Hepatic Fibrosis and Adiposity Using Intravoxel Incoherent Motion and Magnetic Resonance Spectroscopy

PH218-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
A Data-Driven Approach to Setting Radiation Dose Notification Values for CT That Can Be Used in Dose Management Software Applications

PH219-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Dosimetric Validation of 3D Printed Quality Assurance Phantoms and Gynecologic Applicators for High Dose Rate Brachytherapy

PH220-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Chronic Liver Disease Assessment Using Deep Learning on Shear Wave Elastography Image Sequences

PH221-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
Optimal Single-Energy Spectrum Images for Deep learning-Based Detection of Pulmonary Nodules  $\geq 4$ mm in Diameter

PH222-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Size-Specific Analysis of Patient Doses From CT Localizer Radiographs

PH223-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Evaluation of Patient Radiation Dose Values Recorded During Fluoroscopically-Guided Neuro-Endovascular Procedures

PH224-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
A Brief Answer to the Concerns About Neutron Contamination in 18-MV Spatially Fractionated Radiation Therapy

PH225-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Automated Segmentation of Cardiac Structures for Pre-Operative Training and Planning of Congenital Heart Surgery

PH226-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
The Optimal Scanner Settings for Clinical CEUS Imaging with High-Frequency Transducers

PH227-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
Image Quality Comparison between Enhanced Multiple Parameter Iterative Reconstruction (EMPIRE) and Filtered Back Projection in Digital Breast Tomosynthesis (DBT) Using the American College of Radiography (ACR) Digital Mammography Phantom

PH228-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
Task Based MTF Comparison Between a New Deep Learning Based CT Reconstruction and Current Iterative Methods

PH229-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Impact of Imaging Conditions on Localizer-Based Water Equivalent Diameter Estimation and on Dose Modulation

PH230-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Advanced Reconstructions Outperform Respect to Traditional Iterative Reconstructions in State-of-the-Art Non-Digital PET/CT Scanners

PH231-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Denosing and Scatter Correction for Contrast-Enhanced Digital Breast Tomosynthesis

PH232-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
The Safety and Feasibility of Intravenous Contrast-Enhanced Sonography in Children - A Single Center and Prospective Study in China

PH233-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Discussion on the Accurate Measurement of Organ Dose in CT Scanning

PH234-SD-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Clinical Trial Qualification of PET-CT Scanners in Onco-Haematological Clinical Trials Performed with 68Ge Pre-Filled Phantom Permits to Achieve a Lower Inter-Scanner Variability Respect to Standard 18F Phantoms

PH235-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Deep Learning Image Reconstruction for CT Neuro Perfusion Imaging

PH236-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
An Experimental Study of MRI - Induced Heating in Conductive Loops

PH237-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Image Quality Evaluation Using a New Low-Dose Fluoroscopy Algorithm Based on a Deep-Learning Approach

PH238-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
High-Resolution Knee Arthrography Using Photon-Counting Detector CT for Grading Osteoarthritis

PH239-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Radiation Dose Exposure During Pelvic Angiography and Intervention: What Can Be Done to Minimize Risk

PH240-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Comparing 3D MSK-View with 2D Standard Scans: Shortening Imaging Time of the Shoulder MRI Study - A Clinical Quality Feasibility Study

PH241-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Quantitative Evaluation of Bone Microstructure on a Novel Ultra-High Resolution Whole-Body CT

PH242-SD-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Dose and Image Quality in Ultra Low-Dose CT for Urolithiasis: Added Value of Automatic Tube Current Modulation and Deep Learning Image Reconstruction

PH243-SD-THA7 (Thu, 12:15-12:45 PM, Station #7)  
The Application of Monochromatic Images in Spectral CT for Reducing Metal Artifacts in Chest Biopsy Procedure

PH244-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Accuracy of Volumetric Trabecular Bone Mineral Density Assessment Using Dual-Source Dual-Energy CT: Phantom Study and Comparison with Quantitative CT

PH245-SD-THB6 (Thu, 12:45-1:15 PM, Station #6)  
The Impact of Radiation Dose on the Measurement Accuracy of Nodule Volume and Long Diameter Using Deep Learning-Based Computer-Aided Diagnostic System: A Phantom Study

PH246-SD-THB7 (Thu, 12:45-1:15 PM, Station #7)  
Assessment of Texture Feature Reproducibility in Dual-Energy Computed Tomography Virtual Monoenergetic Images

PH247-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Detection of Arbitrary Signals on Images with Streak Artifacts Using Convolutional Neural Networks

PH248-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Distinction between Benign and Malignant Breast Masses at Breast Mammography Using Deep-Learning Method with Mask-R Convolutional Neural Network

PH249-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Detector Sampling and Dose Reduction in Whole-Body Photon Counting Computed Tomography

PH250-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Differentiating between Low-Grade and High-Grade Clear Cell Renal Cell Carcinoma Using CT Image Texture Analysis

PH251-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
The Value of Advanced Reconstruction Algorithms in Improving Upper Abdominal CT Image Quality

PH252-SD-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Fast MRI Connectomics with the Dual-Echo Turbo Spin Echo (DE-TSE) Pulse Sequence and White Matter Fibrography

PH253-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
Dose Level Study in Pediatric Fluoroscopy

PH254-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
An AI Driven Module to Automatically Assess Motion and Imaging Artifacts in Neuro-MRI for Clinical Trial Quality Assurance

PH255-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Direct Measurement of CT Scatter Distribution Using a Long Linear Array Detector

PH256-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Classification of the Types of Pediatric Posterior Fossa Brain Tumors based on Routine MRI Using Wavelet Transformation Analysis of Whole Tumor

PH257-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
Application of MT in Kidney: A Comparison Analysis with Physiological Features

PH258-SD-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
Principle Component Analysis (PCA) in Photon-Counting Spectral CT and Its Implementation in Projection Domain and Image Domain with Denoising

PH259-SD-TUB8 (Tue, 12:45-1:15 PM, Station #8)  
Weakly Supervised Learning for Classifying A Cardiomegaly Disease from Normal and Other Diseases on Chest Radiographs

PH260-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Performance of a First Dark-Field Chest X-Ray System on Patients

PH261-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Multichannel Image Restoration for Quantitative MRI

PH262-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Identification and Assessment of Scan Frequency and Cumulative Radiation Exposure in Repeated CT Scans: A Retrospective Cohort Study

PH263-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Assessment of Intraductal Carcinoma in Situ with Grating-Based Phase-Contrast Computed Tomography

PH264-SD-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Cumulative Radiation Risk for Multiple CT Examinations: A One-Year Survey For a Large Multi-Specialist Hospital

PH265-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Study of Cardiac Structure and Function in Patients with Chronic Kidney Disease by Cardiac MR



# Quality Improvement Reports

QI001-EB-THA (Thu, 12:15-12:45 PM, Hardcopy Backboard)  
Strategies for Implementing and Three Years Results of a National Quality Accreditation Program in Diagnostic Imaging in a Developing Country

QI002-EB-WEB (Wed, 12:45-1:15 PM, Hardcopy Backboard)  
Common Data Element (CDE) Implementation for CT Paranasal Sinusitis: Improved Disease-Specific Evidence-Based Clinical Reporting, Moving Towards a Community Standard, and Building a Foundation for Research in Artificial Intelligence/Machine Learning

QI003-EB-TUA (Tue, 12:15-12:45 PM, Hardcopy Backboard)  
Implementation of Guideline-Appropriate Follow-Up Recommendations in Radiology Reports for Incidentally Discovered Abdominal Aortic Aneurysms on Routine CT

QI004-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)  
Integration of Referring Physician Survey Into the Electronic Medical Record (EMR): 2 Year Experience, Challenge and Improvement of Imaging Report Opportunities

QI005-EB-SUA (Sun, 12:30-1:00 PM, Hardcopy Backboard)  
Dual-Energy CTA for GI Bleeding: Reducing Patient Radiation Dose and Table Time

QI006-EB-SUA (Sun, 12:30-1:00 PM, Hardcopy Backboard)  
Improving Reporting of High Radiation Dose Events in Fluoroscopy to Meet Joint Commission Requirements

QI007-EB-SUA (Sun, 12:30-1:00 PM, Hardcopy Backboard)  
Improving Radioprotection Practices in the Operating Room

QI008-EB-THB (Thu, 12:45-1:15 PM, Hardcopy Backboard)  
Pushing Limits: Are We Scanning Too Far?

QI009-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)  
High-Fidelity Simulation Training for Radiological Emergencies: A Multidisciplinary Approach

QI010-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)  
QI: Pediatric Appendicitis Ultrasound Across A Quaternary Health System

QI011-EB-TUA (Tue, 12:15-12:45 PM, Hardcopy Backboard)  
Tele-Ultrasound: A New Tool For Quality Control and Medical Support In Large and Public Radiology Practice

QI012-EB-WEA (Wed, 12:15-12:45 PM, Hardcopy Backboard)  
Radiology Information System (RIS) Integrated Faculty Scoring and Feedback System for After Office Hours (AOH) On-Call Resident Provisional Radiology Reports

QI013-EB-WEA (Wed, 12:15-12:45 PM, Hardcopy Backboard)  
Impact of a Lecture Evaluation System on Lecture Type and Quality: A 24-Month Analysis and Insights on Resident Learning Styles

QI014-EB-THA (Thu, 12:15-12:45 PM, Hardcopy Backboard)  
Does Simulation Training Result in Improved on Call Accuracy Among Newly Appointed Radiology Doctors in Training

QI015-EB-MOB (Mon, 12:45-1:15 PM, Hardcopy Backboard)  
A New Strategy Preventing Medical Errors Caused By Unread Imaging Interpretation Reports: Star Search Project

QI016-EB-MOB (Mon, 12:45-1:15 PM, Hardcopy Backboard)  
Semi-Structured Clinical Event Documentation of Acute Adverse Reactions to Contrast

QI017-EB-MOB (Mon, 12:45-1:15 PM, Hardcopy Backboard)  
Evaluation and Reduction of Acoustic Noise in PET/MR

QI018-EB-SUA (Sun, 12:30-1:00 PM, Hardcopy Backboard)  
Impact of ABUS Implementation on Workflow in a Small Breast Center

QI019-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
Using Point-of-Care Patient Photographs with Musculoskeletal Radiography to Identify Errors of Laterality in Emergency Department Imaging

QI020-EB-THA (Thu, 12:15-12:45 PM, Hardcopy Backboard)  
Lean MRI Protocol Process Improvement and Software Solution

QI021-EB-WEB (Wed, 12:45-1:15 PM, Hardcopy Backboard)  
Improving 'Door to CT' Time in Acute Stroke Patients and 'Door in-Door out' Time in those appropriate for Endovascular Thrombectomy (performed in external tertiary Neuroradiology centre) as part of an Irish National QI Stroke P

QI022-EB-WEA (Wed, 12:15-12:45 PM, Hardcopy Backboard)  
Lung Biopsy On-Time Starts and Day of Procedure Patient Wait Times

QI023-EB-TUB (Tue, 12:45-1:15 PM, Hardcopy Backboard)  
Improving ED CT Patient Flow

QI024-EB-TUB (Tue, 12:45-1:15 PM, Hardcopy Backboard)  
Know It to Fix It: A Quality Improvement Evaluation to Improve Turnaround Times in the Interventional Radiology Suite

QI025-EB-THA (Thu, 12:15-12:45 PM, Hardcopy Backboard)  
Improving Radiology Protocols Efficiency through Quality Improvement: An Initiative to Improve Resident Productivity and Speed of Patient Diagnosis

QI026-EB-WEB (Wed, 12:45-1:15 PM, Hardcopy Backboard)  
Automation of the ACR MRI Low-Contrast Resolution Test Using Machine Learning

QI027-EB-WEA (Wed, 12:15-12:45 PM, Hardcopy Backboard)  
Increasing Time Between Interruptions In A Busy Reading Room

QI028-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)  
RESPECT - Radiology Employees Striving for Productive and Effective Communication

QI029-EB-SUB (Sun, 1:00-1:30 PM, Hardcopy Backboard)  
State-Mandated Breast Density Notifications: Can They Be Less 'Dense'?

QI030-EB-TUA (Tue, 12:15-12:45 PM, Hardcopy Backboard)  
Augmenting Patient - Radiologist Communication Through Government Mandate: Initial Results from an Implementation to Address the Patient Test Result Information Act

QI100-ED-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
The Effect of a Radiology Nurse Navigator on Improving the Timeliness of Breast Care by Minimizing the Interval Time between Abnormal Breast Imaging and Image Guided Needle Biopsy

QI101-ED-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Procedure for Optimal Implementation of Automatic Tube Potential Selection in Pediatric CT to Reduce Radiation Dose and Improve Workflow

QI102-ED-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Our Work is Never Done: Continuous Quality Improvement in the EC

QI104-ED-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Centralized Radiology Scheduling: How Improving Its Efficiency Can Improve Patient Access to Imaging and Satisfaction: A Close Examination of Key Process Steps and Process Metrics

QI105-ED-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
"United We Stand"; Contrast Reaction Management Training for Outpatient Imaging Centers with Emphasis on Teamwork

QI106-ED-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
A Comprehensive Lean Strategy to Improve Patient Access to MRI Examinations in an Integrated Multispecialty Practice

QI107-ED-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Improving Accuracy and Reliability of TIRADS Reporting with Novel Automated Points-Based Template

QI108-ED-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
Use of a Novel Web-based Tool to Improve Communication Between the Emergency Department and Radiology

QI109-ED-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Offering Diagnostic Imaging Services in Public Hospitals: A Successful Public-Private Partnership Model

QI110-ED-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Emergency Radiology Workflow During a Simulated Mass Casualty Incident (MCI) in a Level 1 Trauma Centre: Importance and Learning Points

QI111-ED-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Enhancing Undergraduate Clinical Radiology Education in A University Teaching Hospital- A Two-year Mixed Methods Evaluation of Learner Feedback to Improve Practice

QI112-ED-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
Modified Imaging Algorithm for Patients Presenting with Suspected Acute Cord Compression (ACC) in the Emergency Room

QI113-ED-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Determining Radiologists' Preferences for Quality Reporting in Peer-learning and Score-based Peer-review Systems

QI114-ED-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
Evaluation of an Audiovisual Report to Enhance Traditional Radiology Reports of Musculoskeletal Urgent Cases

QI115-ED-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
One Stop Cancer Rapid Diagnostic Clinic: An Economic Evaluation

QI116-ED-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
Reclaiming Hands On Ultrasound for Radiology

QI117-ED-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Transforming Healthcare and Outcomes Using Medical Imaging as The Driver for Change (TOHETI): Transformation Program in a Central London NHS Trust

QI118-ED-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Implementation of Measuring and Monitoring of Patient Safety Framework to Improve Peritoneal Dialysis Catheter Failure Rate: Lessons Learned from the Clinical Improvement Team

QI119-ED-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Decreasing Time to Report Critical Results at a Single, Urban, County Hospital

QI120-ED-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Implementation of AI Structured Reporting to Smooth Workflow in Radiology Department Daily Practice

QI121-ED-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Keeping it Real: The Benefits of Using Standardized Patients and High Fidelity Simulations in In-situ Simulations in Contrast Reaction Management Training

QI123-ED-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Improving MRI Outpatient Wait Times

QI124-ED-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
AI Driven Quantitative System for Assessing the Quality of Diagnostic Ultrasound

QI125-ED-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Beyond Error Detection and Efficiency Enhancement: Point-of-Care Photography as a QI Tool in Radiography

QI126-ED-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Improving MRI Safety in Pediatric Patients Undergoing Sedation: Impact of In-situ Bi-monthly Multidisciplinary Simulation Training

QI127-ED-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Standardized Progress Note Template in the Electronic Medical Record Improves Documentation of Contrast Extravasation Events

QI128-ED-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Dose Optimisation in Multiphasic Computed Tomography Imaging of the Liver with High-concentration Contrast Media

QI129-ED-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Cross-sectional Interventional Procedures in A Diagnostic Radiology Residency: Establishment of an Effective Comprehensive Simulation Based Procedural Training Program

QI130-ED-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Verification of Operational Database for MRI and Evaluation Analysis on Tasks for Safety Management

QI131-ED-THB2 (Thu, 12:45-1:15 PM, Station #2)  
Sustained Increases in The Quality of Imaging Histories Provided by Ordering Providers Resulting from Cross-functional Collaboration and Systems Design

QI132-ED-THB3 (Thu, 12:45-1:15 PM, Station #3)  
Creating a Community Standard and Promoting Artificial Intelligence Research in Multiple Sclerosis: A Pre- and Post-Intervention Assessment of the Frequency of Common Data Element (CDE) Reporting

QI133-ED-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Rapid On-site Evaluation of Ultrasound Guided Fine Needle Aspiration Thyroid Nodule Biopsy: Does It Have a Role in The Reduction of Non-diagnostic Sample Rate?

QI134-ED-THB4 (Thu, 12:45-1:15 PM, Station #4)  
RadPath: Automated Radiology-Pathology Notification System Improves Breast Procedure Addendum Turnaround Time

# Radiation Oncology

RO001-EB-X (Hardcopy Backboard)

Paradigm Shift of Treatment Strategy for Differentiated and Anaplastic Thyroid Cancer: A New Era of Multidisciplinary Treatment of Surgery, Radioiodine, External Radiation, and Molecular Targeting Agents

RO100-ED-X (Digital Education Exhibit)

Radiation Therapy-related Side Effects: Imaging the Collateral Damage

RO101-ED-X (Digital Education Exhibit)

Development of a Standardized Method for Radiation Therapy Contouring of the Piriform Cortex

RO102-ED-X (Digital Education Exhibit)

The Biological and Cytogenetic Effects of Ionizing Radiation from CT Scans

RO103-ED-X (Digital Education Exhibit)

Evaluation of an Advanced FOV Extending Algorithm (DLEFOV) Based on Deep Learning

RO104-ED-X (Digital Education Exhibit)

In Vivo Measurement of Brain Tissue Response After Irradiation Using MR-based Conductivity Imaging Method

RO105-ED-X (Digital Education Exhibit)

Complete Insight to Prostate Cancer: Giving Our Patients the Advantage of MP (Multiparametric) MRI and F18-PSMA (Prostate Specific Membrane Antigen) PET/CT

RO106-ED-SUA3 (Sun, 12:30-1:00 PM, Station #3)

Stereotactic Ablative Radiotherapy for Oligometastatic Colorectal Cancer

RO107-ED-SUB3 (Sun, 1:00-1:30 PM, Station #3)

Radiation-Induced Malignancies: Current Update on Pathogenesis and Cross-Sectional Imaging Findings

RO200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)

Smoking History and Cessation Discussions in Cancer Patients Receiving Definitive Radiotherapy: Do We Treat All Patients Equally?

RO201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)

Cost Analysis of Audiovisual-Assisted Therapeutic Ambiance in Radiation Therapy (AVATAR) Aided Omission of Anesthesia in Radiation for Pediatric Malignancies

RO202-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)

High-Dose Irradiation in Combination with Anti-PD-L1 and Anti-VEGF Promote Antitumor Immunity in Murine Lung Tumors

RO203-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)

The Relationship Between Fractures within the Irradiation Field Among Elderly Asian Women Who Have Received Definitive Radiation Therapy for Cervical Cancer Treatment

RO204-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)

Quantitative T1 Mapping Technique in Enhanced MRI to Assess Response to Chemoradiotherapy in Rectal Cancer

RO205-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)

Outcomes of Stereotactic Radiotherapy for Vestibular Schwannoma

RO206-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)

MiRNA Expression Patterns as Potential Biomarkers in Predicting Response to Neoadjuvant Chemoradiotherapy in Rectal Cancer

RO207-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)

Prognostic Value of Whole-Body Low-Dose CT (WBLDCT) in the Staging and Restaging of Patients with Multiple Myeloma (MM): A Long Period Follow-Up

RO208-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)

Relationship Between Spleen Dose and Lymphocyte Loss Rates During Radiation Therapy in Patients with Pancreaticobiliary and Gastroesophageal Tumors

RO209-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)

Intranodular Radiomic Features on Lung Non-Contrast CT Images Distinguish Malignant from Benign Pulmonary Nodules

RO210-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)

Investigation of the Volume of Prostate, Bladder and Rectal Wall Variation During External Beam Radiotherapy

RO211-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Imaging-guided Target Volume Reduction in Radiotherapy of Lung Cancer: The Prospective Randomized Multinational PET-Plan Trial

RO212-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
Bi-parametric MRI Prior to Primary Radiotherapy for Prostate Cancer in a Resource Limited Setting: Implications for Risk Group Stratification and Treatment

RO213-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Ultrashort Echo-Time Dynamic Contrast Enhancement MRI of Vascular Perfusion and Permeability Changes in Multiple Organs in a Preclinical Model of Irradiation

RO214-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Intra-Fractional Dose Variation of Organs at Risk in High Dose Rate Image-Guided Brachytherapy for Cervical Cancer

RO215-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Outcomes After Treatment for Recurrence in Patients with Locally Advanced Cervical Cancer Treated with Radiotherapy

RO217-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
Learning Curve for Image-Guided Brachytherapy of Cervical Cancer

RO218-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Prospective Assessment of Diffusion-Weighted Magnetic Resonance Imaging as a Biomarker of Radiation-Induced Dysgeusia in Head and Neck Cancer

RO219-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
Hafnium Oxide Nanoparticles Activated by Radiotherapy Induce an Anti-Tumor Immune Response

# Vascular/Interventional

VI001-EB-MOA (Mon, 12:15-12:45 PM, Hardcopy Backboard)

Identification of Forearm Muscles with Dynamic Ultrasound Imaging for Botulinum Toxin Injection and Image Guided Botox Injections

VI002-EB-X (Hardcopy Backboard)

Comprehensive and Comparative Overview of Peripheral Artery Disease Imaging

VI003-EB-X (Hardcopy Backboard)

Contrast-Enhanced Ultrasound (CEUS) in the Assessment of Carotid Atherosclerotic Disease: A Seldom-used Technique to Understand Pathophysiology of Atherosclerotic Plaque Progression and Assess Risk of Thrombosis and Stroke

VI100-ED-X (Digital Education Exhibit)

Diagnosis and Management of the Bile Duct Infarction: A Serious Complication of Transarterial Therapy of Liver Tumors

VI101-ED-X (Digital Education Exhibit)

Are We Competent to Diagnose Incompetence in Veins? The Plumbing Details Needed for Accurate Interpretation

VI102-ED-X (Digital Education Exhibit)

Transvenous Application of N-butyl Cyanoacrylate (NBCA) Glue

VI103-ED-X (Digital Education Exhibit)

Optimizing Ultrasound Images, Diagnostic Accuracy and Confidence: A Primer for Residents, Practicing Radiologists, and Sonographers

VI104-ED-X (Digital Education Exhibit)

Subtraction CT Angiography of Peripheral Artery with Orbital Synchronized Helical Scanning Using Characteristic of Organ-Based Tube Current Modulation

VI105-ED-X (Digital Education Exhibit)

CT-Guided Cryoablation for Lung Tumors: Basic and Advanced Techniques

VI106-ED-X (Digital Education Exhibit)

Magnetic Resonance-Thoracic Ductography (MRTD): Importance of Thoracic Duct (TD) Configuration for Intervention (IR)

VI107-ED-X (Digital Education Exhibit)

Evaluation of Peripheral Vascular Disease Using CT and MR Angiography

VI108-ED-X (Digital Education Exhibit)

Seeing the Forest for the Trees: The New Systemic Options to Treat Hepatocellular Carcinoma

VI109-ED-X (Digital Education Exhibit)

Aortic Dissection and Acute Aortic Syndromes: Diagnostic Imaging Findings from Acute to Chronic Longitudinal Progression

VI110-ED-X (Digital Education Exhibit)

Case-based Learning during Anatomy Block as a Modality for Preclinical Interventional Radiology Education: Successes and Challenges

VI111-ED-X (Digital Education Exhibit)

Minimally-Invasive Endoscopic and Surgical Procedures in Management of Patients with Complicated Necrotizing Pancreatitis: What an Interventional Radiologist Needs to Know

VI112-ED-X (Digital Education Exhibit)

Imaging and Interventional Procedures of the Lymphatic System

VI113-ED-X (Digital Education Exhibit)

When Everything is NOT under Control: Aortic Endoleaks

VI114-ED-X (Digital Education Exhibit)

Endovascular Management of Frostbite: Role of Intra-Arterial tPA

VI115-ED-X (Digital Education Exhibit)

Transradial Access: Review of Complications, Strategies to Minimize Risk, and Management of Complications

VI116-ED-X (Digital Education Exhibit)

Blunt Abdominal Trauma: A Primer for the Radiologist of Solid Organ Injuries

VI117-ED-X (Digital Education Exhibit)

Chyle Leaks: All You Need to Know

VI118-ED-X (Digital Education Exhibit)

Anatomy and Pathologies of the Renal Arteries with Implications for Modern Endovascular Management

VI119-ED-X (Digital Education Exhibit)

Practical Applications of Lymphangiography and Lymphatic Interventions

VI120-ED-X (Digital Education Exhibit)

Immune Effector Cell Therapy for Solid Tumors: Opportunities for Interventional Radiology

VI121-ED-X (Digital Education Exhibit)  
Novel Imaging Techniques and Algorithmic Approach to  
Diagnosis and Management of Vascular Anomalies

VI122-ED-X (Digital Education Exhibit)  
Contrast-Enhanced Ultrasound for Challenging Abdominal  
Interventions

VI123-ED-X (Digital Education Exhibit)  
The Bleeding Point: Manifestations of Hemorrhage and  
Related Pathologies - With Mimics and Pitfalls

VI124-ED-X (Digital Education Exhibit)  
Comparison of Non-Contrast MR Angiography to CT  
Angiography to Evaluate the Access Route of Transfemoral  
Transcatheter Aortic Valve Replacement

VI125-ED-X (Digital Education Exhibit)  
Tips for Tips: A Resident's Survival Guide

VI126-ED-X (Digital Education Exhibit)  
Arterial and Venous Visceral Aneurysms and  
Pseudoaneurysms: A Pictorial Review

VI128-ED-SUA7 (Sun, 12:30-1:00 PM, Station #7)  
US-Guided Localization and Removal of Soft-Tissue Foreign  
Bodies: How We Do It

VI129-ED-SUA8 (Sun, 12:30-1:00 PM, Station #8)  
When There is No Rectum: CT-Guided Targeted and Sextant  
Prostate Biopsy

VI130-ED-X (Digital Education Exhibit)  
Creating Low-cost Phantoms for IR Skills Training

VI131-ED-X (Digital Education Exhibit)  
Depiction of Reachable Bronchi of Peripheral Lung Nodule  
for Transbronchial Approach by Ultra-High Resolution CT  
(UHRCT)

VI132-ED-MOA8 (Mon, 12:15-12:45 PM, Station #8)  
All About and How We Do Prostate Artery Embolization  
(PAE): Indication, Optimal Preparation, Technique, Imaging  
Analyses, and Complications

VI133-ED-MOB9 (Mon, 12:45-1:15 PM, Station #9)  
Algorithmic Approach to Assess Pulmonary Embolism on  
Dual-Energy Spectral Detector Computed Tomography  
(SDCT): Overcoming the Pitfalls of Conventional CT

VI134-ED-MOB8 (Mon, 12:45-1:15 PM, Station #8)  
Radiofrequency Ablation Guided by Ultrasonography: Tips  
and Tools to Improve Results in Benign Thyroid Nodules

VI135-ED-TUA10 (Tue, 12:15-12:45 PM, Station #10)  
Transcaval Approach for Embolization of Abdominal Aortic  
Aneurysm Type II Endoleak

VI136-ED-TUA9 (Tue, 12:15-12:45 PM, Station #9)  
Fire Burn and Cauldron Bubble: Contrast-Enhanced  
Ultrasound for Abdominal Interventions

VI137-ED-TUB8 (Tue, 12:45-1:15 PM, Station #8)  
Pelvic Congestion Syndrome: Normal Anatomy and  
Multimodality Imaging Evaluation of an Underdiagnosed  
Disease

VI138-ED-TUB9 (Tue, 12:45-1:15 PM, Station #9)  
Don't Ever Go with the Flow, Be the Flow: A Comprehensive  
Pictorial Review of B-Flow Ultrasonography

VI139-ED-WEA9 (Wed, 12:15-12:45 PM, Station #9)  
Five Stages of Artifacts: Denial, Anger, Bargaining,  
Depression, and Acceptance

VI140-ED-WEB10 (Wed, 12:45-1:15 PM, Station #10)  
Exploring the Sub-Voxel: Basics of CT Angiographic  
Microvascular Reconstruction and Its Role in Enhancing 3D  
Mesh Creation

VI141-ED-WEB9 (Wed, 12:45-1:15 PM, Station #9)  
Percutaneous Omental Biopsies: A Safe and Non-Surgical  
Method in Evaluation of Abdominal Disease

VI142-ED-WEA10 (Wed, 12:15-12:45 PM, Station #10)  
Apneic Ventilation Strategies to Limit Respiratory Motion  
During Percutaneous Ablation

VI143-ED-THA9 (Thu, 12:15-12:45 PM, Station #9)  
When It's Not a Deep Venous Thrombosis (DVT): A Pictorial  
Review of Alternate Causes of Swollen Limb or Pain in  
'Rule-Out' DVT Exams

VI144-ED-THB9 (Thu, 12:45-1:15 PM, Station #9)  
Complications of an Ileal Conduit after Radical Cystectomy:  
Interventional Radiologic Management

VI200-SD-SUA1 (Sun, 12:30-1:00 PM, Station #1)  
Assessment of Semiquantitative Parameters of Dynamic  
Contrast-Enhanced Perfusion MR Imaging in Predicting the  
Nonperfused Volume Ratio of at Least 80%: High-Intensity  
Focused Ultrasound Ablation of Uterine Fibroids

VI201-SD-SUA2 (Sun, 12:30-1:00 PM, Station #2)  
Diagnosis of Deep Vein Thrombosis Using a DANTE-  
prepared FLASH Sequence

VI202-SD-SUA3 (Sun, 12:30-1:00 PM, Station #3)  
Magnetic Resonance Angiography Derived Predictors of Aortic Root Dilatation in Marfan Syndrome

VI203-SD-SUB1 (Sun, 1:00-1:30 PM, Station #1)  
Evaluation of Outcomes Following Pulmonary Artery Stenting in Fibrosing Mediastinitis

VI204-SD-SUB2 (Sun, 1:00-1:30 PM, Station #2)  
The Initial Experience of 2D-Perfusion Angiography-Guided Balloon Pulmonary Angioplasty

VI205-SD-SUB3 (Sun, 1:00-1:30 PM, Station #3)  
Transperineal Laser Ablation (TPLA) for the Treatment of Lower Urinary Symptoms in Benign Prostatic Hyperplasia (BPH)

VI206-SD-MOA1 (Mon, 12:15-12:45 PM, Station #1)  
The Efficacy and Safety of Magnetic Resonance-Guided High-Intensity Focused Ultrasound Ablation of Pedunculated Subserosal Leiomyoma

VI207-SD-MOB2 (Mon, 12:45-1:15 PM, Station #2)  
The Role of Magnetic Resonance Imaging in Predicting the Outcome of High-Intensity Focused Ultrasound Treatment of Adenomyosis

VI208-SD-MOB3 (Mon, 12:45-1:15 PM, Station #3)  
Value of 3D Rotational Epidurography on Percutaneous Epidural Adhesiolysis

VI209-SD-TUB1 (Tue, 12:45-1:15 PM, Station #1)  
Clinical Utility of Time Resolved MRA in Characterizing Complex Vascular Malformations: Correlation with Digital Subtraction Catheter Angiography and High Spatial Resolved MRA

VI210-SD-TUB2 (Tue, 12:45-1:15 PM, Station #2)  
Comparative Outcomes of IVC Filters Placed at Bedside Using Digital Radiography versus Conventional Fluoroscopy

VI211-SD-TUB3 (Tue, 12:45-1:15 PM, Station #3)  
Impact of Tissue Vascularity on the Outcome of High-Intensity Focused Ultrasound (HIFU) Treatment of Adenomyosis

VI212-SD-WEA1 (Wed, 12:15-12:45 PM, Station #1)  
Capembol: Safety, Feasibility and Early Oncological Outcomes of Prostatic Artery Embolization in the Management of Low-Grade Localized Prostate Cancer in Patients Candidate to Active Surveillance: A Monocentric Pilot Study - Preliminary Results

VI213-SD-WEA2 (Wed, 12:15-12:45 PM, Station #2)  
Measurement of Scatter Radiation Dose to the Eye of Interventional Radiologists Performing Fluoroscopically Guided Procedures: Are You Sure You Are Protected?

VI214-SD-WEA3 (Wed, 12:15-12:45 PM, Station #3)  
Effects of Oxytocin on High-Intensity Focused Ultrasound Ablation of Leiomyoma: A Clinical Trial Study

VI215-SD-WEB1 (Wed, 12:45-1:15 PM, Station #1)  
The Future Liver Remnant in Associating Liver Partition with Portal Vein Ligation or Embolization

VI216-SD-WEB2 (Wed, 12:45-1:15 PM, Station #2)  
Can Computational Fluid Dynamics Predict the Progression of Visceral Artery Aneurysms?

VI217-SD-WEB3 (Wed, 12:45-1:15 PM, Station #3)  
The Impact of Tissue Characteristics on Outcome of High-Intensity Focused Ultrasound Treatment of Uterine Leiomyomas

VI218-SD-THA1 (Thu, 12:15-12:45 PM, Station #1)  
Classification of Genuclate Arterial Patterns with Implications for Interventional Radiologist

VI219-SD-THA2 (Thu, 12:15-12:45 PM, Station #2)  
Doppler-Based Renal Perfusion Variations After Fenestrated/Branched Endovascular Repair and Post-Operative Renal Function Outcomes

VI220-SD-THA3 (Thu, 12:15-12:45 PM, Station #3)  
MR-Guided Focused Ultrasound (MRgFUS) Compared to the Main Current Therapeutic Approaches for the Treatment of Uterine Fibroids: MR-Guided Focused Ultrasound (MRgFUS) Compared to the Main Current Therapeutic Approaches for the Treatment of Uterine

VI221-SD-THB1 (Thu, 12:45-1:15 PM, Station #1)  
Particle Embolization for Treatment of Acute Lower Gastrointestinal Hemorrhage is Associated with Higher Rates of Ischemic Bowel Complications: A Single-Center Retrospective Analysis

VI222-SD-THB2 (Thu, 12:45-1:15 PM, Station #2)  
A Comparison between Laparoscopic and Open Surgery Following Self-Expandable Metallic Stent Placement for Malignant Colorectal Obstruction and an Assessment of Long-Term Oncological Outcomes

VI223-SD-THB3 (Thu, 12:45-1:15 PM, Station #3)  
The Clinical Characteristics and Drug Resistance of Pyogenic Liver Abscess Caused By Extended-Spectrum Beta-Lactamase-Producing Klebsiella Pneumoniae



VI224-SD-MOB1 (Mon, 12:45-1:15 PM, Station #1)  
Transperineal US-Guided Focal Laser Ablation (TPLA) in Treatment of Low and Intermediate Risk Prostate Cancer: Feasibility Multicentric Study at 6- and 12-Month Follow-Up

VI225-SD-MOA2 (Mon, 12:15-12:45 PM, Station #2)  
MRI Markers of Disease Activity and Predictors of Progressive Arterial Disease in Takayasu Arteritis

VI226-SD-MOA3 (Mon, 12:15-12:45 PM, Station #3)  
Accuracy and Performance Evaluation of a Smartphone-Based Augmented Reality Needle Guidance Platform

VI227-SD-TUA1 (Tue, 12:15-12:45 PM, Station #1)  
'SpineJack®' Percutaneous Placement in Magerl A2 and A3 Traumatic Vertebral Compression Fractures of the Thoracolumbar Spine

VI228-SD-TUA2 (Tue, 12:15-12:45 PM, Station #2)  
The Influence of High-Intensity Focused Ultrasound Ablation of Uterine Diseases with an Immediate Non-Perfused Volume Ratio > 90% on Ovarian Reserve

VI229-SD-TUA3 (Tue, 12:15-12:45 PM, Station #3)  
CT-Perfusion in Peripheral Arterial Disease - Correlation of Baseline with Post-interventional Perfusion Parameters

VI230-SD-MOA5 (Mon, 12:15-12:45 PM, Station #5)  
The Feasibility of Adaptive Statistical Iterative Reconstruction-V for Reducing Radiation Dose and Contrast Agent in CT Portal Venography with 'Three-Low' Technique

VI231-SD-MOA6 (Mon, 12:15-12:45 PM, Station #6)  
Endovascular Treatment of Congenital Portosystemic Shunts: Single-Centre Prospective Study

VI232-SD-MOA7 (Mon, 12:15-12:45 PM, Station #7)  
Feasibility and Clinical Value of CT-Guided 125I Brachytherapy in Patients with Retroperitoneal Lymph Nodes Metastatic for Pain Palliation after Conventional Therapy Failure

VI233-SD-MOA4 (Mon, 12:15-12:45 PM, Station #4)  
Quantitative Inflammatory and Imaging Biomarkers for the Prediction of Tumor Response to DEB-TACE in HCC

VI234-SD-MOB6 (Mon, 12:45-1:15 PM, Station #6)  
Qualitative Study of Patients with Low-Flow Venous Malformation: Symptom Experiences and Content Validity of Patient-Reported Outcome Measures

VI235-SD-MOB7 (Mon, 12:45-1:15 PM, Station #7)  
Impact of an Electromagnetic Navigation System on Dose Radiation Exposure: A Comparative Retrospective Study

VI236-SD-MOB5 (Mon, 12:45-1:15 PM, Station #5)  
Magnetic Resonance Imaging for Tracking Tumor Progression and Identifying Optimal Timepoint for Intervention with Embolization Treatment

VI237-SD-MOB4 (Mon, 12:45-1:15 PM, Station #4)  
Comparison between Percutaneous Balloon Vesselplasty and Percutaneous Vertebroplasty in Chronic Painful Compression Fractures of Dorsolumbar Spine

VI238-SD-SUA4 (Sun, 12:30-1:00 PM, Station #4)  
Percutaneous Laser Ablation under Ultrasound-Guidance of Normal Thyroid Gland in a Swine Model

VI239-SD-SUA5 (Sun, 12:30-1:00 PM, Station #5)  
Hepatic Pseudoaneurysm Formation After Blunt and Penetrating Traumatic Liver Injury: A Level 1 Trauma Center Experience

VI240-SD-SUA6 (Sun, 12:30-1:00 PM, Station #6)  
Ablation Therapy of Non-Colorectal Cancer Lung Metastases: Retrospective Analysis of Tumor Response Post-Radiofrequency Ablation (RFA) and Microwave Ablation (MWA)

VI241-SD-SUB4 (Sun, 1:00-1:30 PM, Station #4)  
Value of Virtual Monochromatic Spectral Images with Metal Artifact Reduction Algorithm in Dual-Energy Spectral CT-Guided Microcoil Localization for Pulmonary Nodules

VI242-SD-SUB5 (Sun, 1:00-1:30 PM, Station #5)  
Microwave Ablation of Lung Tumors: Early Radiological Parameters Determining the Treatment Outcome

VI243-SD-SUB6 (Sun, 1:00-1:30 PM, Station #6)  
Cervical Pleural Thickening: A Risk Factor for Endovascular Treatment of Tuberculosis-Related Hemoptysis

VI244-SD-THA5 (Thu, 12:15-12:45 PM, Station #5)  
Feasibility and Clinical Value of CT-Guided 125I Brachytherapy for Metastatic Soft Tissue Sarcoma after First-Line Chemotherapy Failure

VI245-SD-THA6 (Thu, 12:15-12:45 PM, Station #6)  
Biodegradable versus Multiple Plastic Stent Implantation in Benign Biliary Strictures: A Systematic Review and Meta-Analysis

VI246-SD-THA7 (Thu, 12:15-12:45 PM, Station #7)  
Combined CT-Guided Biopsy with Tissue Examination and Outer Cannula Washing Cytology: Technique and Outcomes

VI247-SD-THA8 (Thu, 12:15-12:45 PM, Station #8)  
The Utility of Test Bolus for Improving Low Iodine Dynamic 4D CTA in the Diagnosis of Lower Extremity Peripheral Vascular Disease

VI248-SD-THA4 (Thu, 12:15-12:45 PM, Station #4)  
Inpatient Placement of a Subcutaneous Venous Access Ports is Not a Risk Factor for Port Infection

VI249-SD-THB5 (Thu, 12:45-1:15 PM, Station #5)  
Radiologic and Clinical Factors Predicting Survival Following Hepatic Arterial Infusion Chemotherapy in Advanced Hepatocellular Carcinoma

VI250-SD-THB6 (Thu, 12:45-1:15 PM, Station #6)  
Day-Clinic High-Intensity Focused Ultrasound (HIFU) Focal Therapy to Primary Treatment of Localized Prostate Cancer: Initial Experience of 37 Patients

VI251-SD-THB7 (Thu, 12:45-1:15 PM, Station #7)  
Power of Lipiodol-Enhancement in CT-Guided Biopsies of Unspecified Suspect Intrahepatic Lesions: Improvement of Accuracy and Safeness

VI252-SD-THB8 (Thu, 12:45-1:15 PM, Station #8)  
Evaluation of Blood Pressure Variations on CTA Geometries of Abdominal Aortic Aneurysms and CTA Protocol Recommendations on Blood Pressure Measurements for Maintaining Mechanical Simulation Viability

VI253-SD-THB4 (Thu, 12:45-1:15 PM, Station #4)  
Retrospective Multivariate Study of the Clinical Outcomes in Patients Affected by Different Grades of Varicocele Treated using Different Endovascular Approaches

VI254-SD-TUA6 (Tue, 12:15-12:45 PM, Station #6)  
Impact of Dynamic Intima Motion on Renal Injury in Patients with Type B Acute Aortic Dissection: Quantitative Assessment with Dose-Regulated Retrospectively ECG-gated CT Angiography in Dual-Source CT

VI255-SD-TUA7 (Tue, 12:15-12:45 PM, Station #7)  
Combined MR Imaging for Pulmonary Embolism and Deep Venous Thrombosis by Contrast-Enhanced MR Volume Interpolated Body Examination

VI256-SD-TUA8 (Tue, 12:15-12:45 PM, Station #8)  
Comparison of Early Tissue Shrinkage Following Hepatic Microwave Ablation and Multipolar Radiofrequency Ablation in an In-Vivo Porcine Liver Model in CECT

VI257-SD-TUA4 (Tue, 12:15-12:45 PM, Station #4)  
Local Tumor Control and Survival Rates in Unresectable or Recurrent Hepatic Cholangiocarcinoma (CCC): Transarterial Chemoembolization (TACE) versus Combined TACE and Microwave Ablation (MWA)

VI258-SD-TUA5 (Tue, 12:15-12:45 PM, Station #5)  
Feasibility of Four-Dimensional Flow MRI to Assess Portal Pressure Gradient in Healthy Volunteers

VI259-SD-TUB6 (Tue, 12:45-1:15 PM, Station #6)  
The Diagnostic Performance of Dual-Layer Computed Tomography for Deep-Vein Thrombosis in Indirect Computed Tomography Venography

VI260-SD-TUB7 (Tue, 12:45-1:15 PM, Station #7)  
False Lumen Enhancement Characteristics on Computed Tomography Angiography Predict Risk of Aneurysm Formation Among Acute Type B Aortic Dissection Patients

VI261-SD-TUB5 (Tue, 12:45-1:15 PM, Station #5)  
Antitumor Effects of Transarterial Embolization and Simultaneous Treatment with Lenvatinib and Transarterial Embolization in a Rabbit VX2 Liver Tumor Model

VI262-SD-TUB4 (Tue, 12:45-1:15 PM, Station #4)  
Intra-Procedural Transcatheter Intra-Arterial Contrast-Enhanced Ultrasonography as a Predictor of Tumor Response in Transarterial Conventional Chemoembolization for Hepatocellular Carcinoma

VI263-SD-WEA6 (Wed, 12:15-12:45 PM, Station #6)  
Evaluation of Technical Success and Complication Rates Following Endovascular Thrombolysis Interventions

VI264-SD-WEA7 (Wed, 12:15-12:45 PM, Station #7)  
Split Renal Function after Treatment of Small Renal Masses: Comparison between Radiofrequency Ablation and Laparoscopic Partial Nephrectomy

VI266-SD-WEA4 (Wed, 12:15-12:45 PM, Station #4)  
Effect of Hepatic Flow Parameters on Coagulation Range of Radiofrequency Ablation in Liver Malignancies Patients: A Prospective Clinical Study

VI267-SD-WEA5 (Wed, 12:15-12:45 PM, Station #5)  
Non-Contrast-Enhanced Renal MRA Using Multi-Shot Gradient Echo EPI at 3-T MR System

VI268-SD-WEB6 (Wed, 12:45-1:15 PM, Station #6)  
Time-Driven Activity-Based Costing in Interventional  
Oncology: Calculating the Longitudinal Costs of Care for  
Multidisciplinary HCC Care

VI269-SD-WEB7 (Wed, 12:45-1:15 PM, Station #7)  
Computed Tomography-Guided Percutaneous  
Radiofrequency Ablation of the Splanchnic Nerves for Pain  
Reduction in Patients with Pancreatic Cancer

VI270-SD-WEB8 (Wed, 12:45-1:15 PM, Station #8)  
Radiomics Analysis to Predict Progression-Free Survival  
for Patients of RFA by using Deep Learning in Contrast-  
Enhanced Ultrasound

VI271-SD-WEB5 (Wed, 12:45-1:15 PM, Station #5)  
Digital Variance Angiography as a Risk Reduction Measure  
in Peripheral Endovascular Interventions

VI272-SD-WEB4 (Wed, 12:45-1:15 PM, Station #4)  
The Guiding Value of 3D-BRAVO and 3D TOF MRA for  
Microvascular Decompressing