Computed Tomography
Walk Through the Week

Sunday, Dec. 1, 2019

10:30 AM–12:00 PM
Educational Courses
RSNA AI Deep Learning Lab: Beginner Class: Classification Task (Intro)
Session SPAi11......AI Showcase North Building Level 2

10:45 AM–12:15 PM
Scientific Papers Sessions
Science Session with Keynote: Cardiac (Coronary Artery Disease - Practice and Prognosis)
Session SSA03......................S105AB
Chest (ILD/COPD/Airways)
Session SSA05......................E350
Gastrointestinal (Radiomics)
Session SSA08......................S104A
Genitourinary (Renal Neoplasia)
Session SSA11......................N230B
Musculoskeletal (Bone Marrow and Neoplasms)
Session SSA14......................E450B
Nuclear Medicine (Genitourinary Oncology Nuclear Medicine and PET)
Session SSA16......................S505AB
Neuroradiology (Stroke 1)
Session SSA17......................S501ABC
Neuroradiology/Head and Neck (Head and Neck Tumors)
Session SSA19......................S404AB
Physics (CT New Techniques/Systems)
Session SSA21......................E353B
Vascular/Interventional (Lung Cancer Science)
Session SSA24......................S404CD

11:00 AM–12:30 PM
Educational Courses
CT Protocol Management Across a Healthcare System
Course RCC11......................S406B

11:00–11:20 AM
Showcase Presentations
RSNA AI Theater: Practical Experience with Production Deployment of AI: Presented by Zebra Medical Vision and Intermountain Healthcare
Session AI12......AI Showcase North Building Level 2

Accreditation and Designation Statements
The Radiological Society of North America (RSNA®) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The RSNA designates this live activity for a maximum of 94.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Commission on Accreditation of Medical Physics Education Program (CAMPEP) has approved the direct transfer of AMA PRA Category 1 Credit™ to MPCEC on a credit-for-credit basis for medical physicists.

Corporate Symposium
Please refer to each course description in the online program to determine if CME credit is offered for the session. Instructions on claiming credit will be provided during the course. CME credit for the Corporate Symposia will be provided through a third-party provider and not through RSNA.

Program information is subject to change. For the most up-to-date information, please use your Meeting App or visit Meeting.RSNA.org.
1:00–2:30 PM  
**Educational Courses**  
RSNA AI Deep Learning Lab: Segmentation  
*Session SPAI12... AI Showcase North Building Level 2*

2:00–3:30 PM  
**Educational Courses**  
Lung Cancer Screening (Interactive Session)  
*Course RC101... S402AB*  
Enhancing Your PET/CT Practice  
*Course RC111... S505AB*  
Peripheral Artery Disease: CTA and MRA (Interactive Session)  
*Course RC112... S404CD*  
Emerging Technology: Imaging of Dementias and Movement Disorders Update 2019  
*Course RC117... S504CD*  
Interactive Game: Cases in Body Oncologic Imaging that I Have Learned the Most From (Interactive Session)  
*Course RC118... S102CD*  
Innovations in Hybrid Imaging  
*Course RC121... E351*  
Dual Energy CT for Radiotherapy Applications  
*Course RC122... S504AB*

Monday, Dec. 2, 2019

8:30–10:00 AM  
**Educational Courses**  
Cardiac CT Mentored Case Review: Part I (In Conjunction with the North American Society for Cardiovascular Imaging)  
(Interactive Session)  
*Course MSMC21... S406A*  
Practical HRCT of the Lung (Interactive Session)  
*Course RC201... N227B*  
Emergency Cardiothoracic CT Angiography  
*Course RC208... E450B*  
Body Imaging Expert Panel: CTA or MRA?  
*Course RC212... S104A*  
Innovations in Cone-beam CT  
*Course RC221... E352*  
Cardiac CT Mentored Case Review: Part II (In Conjunction with the North American Society for Cardiovascular Imaging)  
(Interactive Session)  
*Course MSMC22... S406A*  
RSNA AI Deep Learning Lab: Beginner Class: Classification Task (Intro)  
*Session SPAI21... AI Showcase North Building Level 2*

10:30 AM–12:15 PM  
**Educational Courses**  
Cardiac CT Mentored Case Review: Part II (In Conjunction with the North American Society for Cardiovascular Imaging)  
(Interactive Session)  
*Course MSMC22... S406A*

10:30 AM–12:00 PM  
**Scientific Papers Sessions**  
Cardiac (CT: Fractional Flow Reserve)  
*Session SSC01... S402AB*  
Chest (Radiomics - Malignancy)  
*Session SSC03... E451A*  
Science Session with Keynote: Emergency Radiology (Imaging Algorithms and Technique)  
*Session SSC04... S102CD*  
Physics (CT Radiation Dose)  
*Session SSC12... S504AB*

11:30–11:50 AM  
**Showcase Presentations**  
3D + AV Theater: Overcoming Common Challenges to Scale 3DP at the Point-of-Care, Lessons from an Innovation Lab: Presented by Formlabs  
*Session 3D22... 3D Printing and Advanced Visualization Theater*

1:00–2:45 PM  
**Educational Courses**  
Basic Physics Lecture for the RT: Radiation Safety Refresher Course  
*Session SPPH21... S402AB*  
Cardiac CT Mentored Case Review: Part III (In Conjunction with the North American Society for Cardiovascular Imaging)  
(Interactive Session)  
*Course MSMC23... S406A*  
Cardiac CT Mentored Case Review: Part III (In Conjunction with the North American Society for Cardiovascular Imaging)  
(Interactive Session)  
*Course MSMC23... S406A*
1:30–3:30 PM
Educational Courses
Contrastes y Trazadores: Estado del Art-Sesion del Colegio Interamericano de Radiologia (CIR) en Espanol/Contrast Agents and Radiopharmaceuticals: State of the Art-Session of Interamerican College of Radiology (CIR) in Spanish
Session SPSP21 .......................... E353C

1:30–5:45 PM
Educational Courses
Physics Symposium: Highlights of AAPM Clinical Brachytherapy Physics Summer School
Session SPPH22 ........................ S503AB

2:00–3:00 PM
Corporate Symposium
Advances in MR & CT Imaging: Emphasis on Artificial Intelligence: Presented by the Institute for Advanced Medical Education (IAME), educational grant provided by Canon Medical Systems USA, Inc.
Session CS24 .......................... S101AB

2:00–3:30 PM
Corporate Symposium
Enhancing Patient Care in CTEPH through Imaging Innovation: Presented by Bayer and Siemens Healthineers
Session CS26 .......................... S105D

3:00–4:30 PM
Educational Courses
RSNA AI Deep Learning Lab: Generative Adversarial Networks (GANs)
Session SPAI23 . . . . . . . . . . . . . . . . . . . . . . . . . . AI Showcase North Building Level 2

3:00–4:00 PM
Scientific Papers Sessions
Chest (Radiomics and Machine Learning)
Session SSE05 .......................... S102CD
Gastrointestinal (Esophagus and Stomach)
Session SSE08 .......................... S404AB
Gastrointestinal (Artificial Intelligence and Machine Learning)
Session SSE09 .......................... N230B
Physics (Deep Learning - X-Ray Scatter Correction and Denoising)
Session SSE24 .......................... S104A

3:30–5:30 PM
Educational Courses
Cardiac CT Mentored Case Review: Part IV (In Conjunction with the North American Society for Cardiovascular Imaging) (Interactive Session)
Course MSMC24 ........................ S406A

Tuesday, Dec. 3, 2019

7:15–8:15 AM
Educational Courses
Controversy Session: MR Elastography versus US Elastography of Liver
Session SPSC30 ........................ E350

8:30–10:00 AM
Educational Courses
Case-based Review of Nuclear Medicine: PET/CT Workshop-Head and Neck (In Conjunction with SNMMI) (Interactive Session)
Course MSCC31 ........................ E450B

How Do I Image That? Tips for Improving Challenging Head and Neck Protocols
Course RC306 .......................... E353C

Advances in Cone Beam CT Acquisition and Reconstruction in Radiotherapy
Course RC322 .......................... S503AB

CT Dose Monitoring: Nuts, Bolts, and Tools... and What We Need to Build
Course RC324 .......................... N226

Percutaneous Thoracic Interventions
Course RC331 ........................ S403A

8:30 AM–12:00 PM
Educational Courses
Cardiac Series: Emerging Cardiovascular MR and CT Imaging
Course RC303 ........................ E350

Gastrointestinal Series: Advances in Abdominal Imaging
Course RC309 ........................ S405AB

10:30 AM–12:00 PM
Educational Courses
Case-based Review of Nuclear Medicine: PET/CT Workshop-Chest (In Conjunction with SNMMI) (Interactive Session)
Course MSCC32 ........................ E450B
RSNA AI Deep Learning Lab: Generative Adversarial Networks (GANs)
Session SPAI31 . . . . AI Showcase North Building Level 2

10:30 AM–12:00 PM
Scientific Papers Sessions
Cardiac (CT, MRI, and Nuclear Medicine: General Topics)
Session SSG02 . . . . . . . . . . . . . . . . . . . . . . . . . . . . S104A
Science Session with Keynote: Chest (Pulmonary Vasculature and Angiography/Dual Energy CT)
Session SSG03 . . . . . . . . . . . . . . . . . . . . . . . . . . . . S404CD
Physics (CT Image Quality)
Session SSG12 . . . . . . . . . . . . . . . . . . . . . . . . . . . . S501ABC

11:00–11:20 AM
Showcase Presentations
RSNA AI Theater: AI in Clinical Cardiac MRI: Presented by Circle Cardiovascular Imaging
Session AI32 . . . . . . . . . . . . . . . . . . . . . . . . . . . . AI Showcase North Building Level 2

12:00–12:20 PM
Showcase Presentations
3D + AV Theater: Next Generation of Advanced Visualization for Surgical Planning and Optimizing Analysis Utilizing Immersive Reality with Haptic Feedback and Air Models: Presented by ImmersiveTouch, Inc.
Session 3D33 . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3D Printing and Advanced Visualization Theater

1:00–2:30 PM
Educational Courses
RSNA AI Deep Learning Lab: Segmentation
Session SPAI32 . . . . . . . . . . . . . . . . . . . . . . . . . . AI Showcase North Building Level 2

1:30–3:00 PM
Educational Courses
Case-based Review of Nuclear Medicine: PET/CT Workshop-Abdomen/Pelvis & Pediatrics (In Conjunction with SNMMI) (Interactive Session)
Course MSCC33 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E450B

2:00–3:30 PM
Corporate Symposium
Efficiency and Risk Management in the CT Suite: Becoming Your Ultimate Diagnostic Partner: Presented by Bracco Diagnostics, Inc.
Session CS36 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S105D

3:00–4:30 PM
Educational Courses
RSNA AI Deep Learning Lab: Beginner Class: Classification Task (Intro)
Session SPAI33 . . . . . . . . . . . . . . . . . . . . . . . . . . AI Showcase North Building Level 2

3:00–4:00 PM
Scientific Papers Sessions
Gastrointestinal (CT Dose and Abbreviated MR Screening Techniques)
Session SSJ08 . . . . . . . . . . . . . . . . . . . . . . . . . . . . S401CD
Physics (Photon Counting Detector CT)
Session SSJ22 . . . . . . . . . . . . . . . . . . . . . . . . . . . . N226

3:30–5:00 PM
Educational Courses
Case-based Review of Nuclear Medicine: PET/CT Workshop-Advances in PET (In Conjunction with SNMMI) (Interactive Session)
Course MSCC34 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E450B

4:30–6:00 PM
Educational Courses
Interstitial Lung Disease in the Community: A Practical Approach
Course RC401 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E450A
Current Practice and Emerging Techniques in Coronary CT
Course RC403 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E351
Advances in Cardiac Nuclear Imaging: SPECT/CT and PET/CT
Course RC411 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S504CD
Innovations in Dual- and Multi-energy CT
Course RC421 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S102CD

Wednesday, Dec. 4, 2019

8:30–10:00 AM
Educational Courses
Occupational Lung Disease (Interactive Session)
Course RC501 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . N226
Emerging Technology: Dual-energy and Spectral CT Update 2019
Course RC517 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S505AB

10:30 AM–12:00 PM
Educational Courses
BOOST: Lymphoma-Case-based Multidisciplinary Review (Interactive Session)
Course MSRO42 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S103CD
RSNA AI Deep Learning Lab: Segmentation
Session SPAI41 . . . . AI Showcase North Building Level 2

**10:30 AM–12:00 PM**
**Scientific Papers Sessions**
Cardiac (Coronary Atherosclerosis)
Session SSK03 .......................................................... E351
Chest (Lung Cancer Screening)
Session SSK05 .......................................................... N229
Gastrointestinal (Dual-energy CT)
Session SSK08 .......................................................... S502AB
Physics (CT Protocols/Risk Reduction)
Session SSK18 .......................................................... E353C

**10:40–11:40 AM**
**Educational Courses**
ASRT@RSNA 2019: Mass Casualty Radiology 2019-From Traditional to Advanced Imaging
Course MSRT43 .......................................................... N230B

**11:30–11:50 AM**
**Showcase Presentations**
RSNA AI Theater: Hitting the Bull’s AI in Neuroradiology: Unlocking Value from Workflow to Patient: Presented by icometrix
Session AI43 . . . . AI Showcase North Building Level 2

**1:00–2:30 PM**
**Educational Courses**
RSNA AI Deep Learning Lab: Generative Adversarial Networks (GANs)
Session SPAI42 . . . . AI Showcase North Building Level 2

**1:30–3:00 PM**
**Educational Courses**
Case-based Review of CT (Interactive Session)
Course MSCZ41 .......................................................... S402AB

**3:00–4:00 PM**
**Scientific Papers Sessions**
Chest (Dual-energy CT - Malignancy)
Session SSM05 .......................................................... N226
Chest (Infection/Incidental Lung Nodule)
Session SSM06 .......................................................... N227B
Gastrointestinal (DECT Technique)
Session SSM10 .......................................................... E352
Gastrointestinal (CT Diagnosis)
Session SSM11 .......................................................... E353A

**3:30–5:00 PM**
**Educational Courses**
Case-based Review of CT (Interactive Session)
Course MSCZ42 .......................................................... S402AB

**4:30–6:00 PM**
**Educational Courses**
Controversy Session: Hepatocellular Carcinoma: Should We Use CT, MR, or US?
Session SPSC42 .......................................................... N227B

**Thursday, Dec. 5, 2019**

**8:30 AM–12:00 PM**
**Educational Courses**
Emergency Radiology Series: Contemporary Topics in Imaging of Trauma
Course RC608 .......................................................... S401CD
Vascular Series: CT Angiography-New Techniques and Their Application
Course RC612 .......................................................... S405AB

**8:30–10:00 AM**
**Educational Courses**
Pulmonary Vascular Imaging
Course RC601 .......................................................... S103CD
Head and Neck PET/CT: Clinical Approach
Course RC611 .......................................................... S504CD
Optimization and Technology in Interventional Radiology
Course RC623 .......................................................... S503AB

**9:15–10:15 AM**
**Educational Courses**
ASRT@RSNA 2019: CT Dose Awareness and Reduction
Course MSRT52 .......................................................... N230B
**Friday, Dec. 6, 2019**

**8:30–10:00 AM**
**Educational Courses**
Avulsion Injuries of the Upper and Lower Extremities  
Course RC804 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E451B
Body CT Angiography: 2019 Update  
Course RC812 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E351

**8:30 AM–12:00 PM**
**Educational Courses**
International Symposium on Cardiothoracic Imaging  
Session SPIS61 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E353C

**10:30 AM–12:00 PM**
**Scientific Papers Sessions**
Physics (CT - Artifact Reduction)  
Session SST09 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E351

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**Sunday, Dec. 1, 2019**

**12:30–1:00 PM**
**Scientific Posters**
Diagnostic Potential and Benefits of Myocardial Infarction and Non-Ischemic Myocardial Disease Using Subtraction Myocardial Image for Late Iodine Enhancement (SMLIE) in Cardiac CT  
Session CA200-SD-SUA1 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Station #1
Feasibility of Dose Modulation for Reducing Radiation Dose with Arms-Down Patient Position in Abdominopelvic Computed Tomography  
Session GI333-SD-SUA4 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Station #4
High-Resolution Knee Arthrography Using Photon-Counting Detector CT for Grading Osteoarthritis  
Session PH238-SD-SUA4 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Station #4
Lung Tumor Segmentation for Volume Measurement Using Coupling-Net in Chest CT Images of Lung Cancer Patients  
Session CH243-SD-SUA2 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Station #2
Pluralistic Medical Features based Hybrid Deep Learning Network for Pulmonary Nodule Intelligent Diagnosis and False Positives Elimination  
CH242-SD-SUA1  Station #1

**1:00–1:30 PM**  
**Scientific Posters**

Assessment of Aggressiveness of Rectal Cancer Using Quantitative Parameters Derived from Dual-Energy Spectral Computed Tomography  
GI381-SD-SUB4  Station #4

Deep Learning Reconstruction Can Improve Image Quality and Subjective Acceptance in Low Radiation Dose Abdominal CT: Comparison with Iterative Reconstruction Algorithm  
GI336-SD-SUB3  Station #3

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  
CA241-SD-SUB5  Station #5

Patient-Informed and Physiology-Based Modelling of Hepatic Contrast Dynamics in Contrast-Enhanced CT Imaging  
PH201-SD-SUB2  Station #2

Quantitative Evaluation of Bone Microstructure on a Novel Ultra-High Resolution Whole-Body CT  
PH241-SD-SUB5  Station #5

Monday, Dec. 2, 2019

**12:15–12:45 PM**  
**Scientific Posters**

CT Findings with High Specificity and Sensitivity for Closed Loop Small Bowel Obstruction  
GI340-SD-MOA4  Station #4

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  
CH273-SD-MOA5  Station #5

Impact of Imaging Conditions on Localizer-Based Water Equivalent Diameter Estimation and on Dose Modulation  
PH229-SD-MOA2  Station #2

MDCT Features for Diagnosis of Single Adhesive Band versus Matted Adhesions in Small Bowel Obstruction  
GI339-SD-MOA3  Station #3

Quantitative Assessment of Double Ventricular Strain in Patients with Dilated Cardiomyopathy Using Cardiovascular Magnetic Resonance Feature Tracking Techniques: A Preliminary Clinical Study  
CA232-SD-MAO7  Station #7

Task Based MTF Comparison Between a New Deep Learning Based CT Reconstruction and Current Iterative Methods  
PH228-SD-MOA5  Station #5

**12:45–1:15 PM**  
**Scientific Posters**

A Novel Augmented Deep Learning Approach for Quantitative Assessment of Indeterminate Nodules  
CH253-SD-MOB3  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  
GI343-SD-MOB3  Station #3

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  
PH207-SD-MOB2  Station #2

Role of Cardiac MRI in Identification of Myocardial Fibrosis in Patients of Non-Ischemic Dilated Cardiomyopathy  
CA235-SD-MOB5  Station #5

Tuesday, Dec. 3, 2019

**12:15–12:45 PM**  
**Scientific Posters**

Detector Sampling and Dose Reduction in Whole-Body Photon Counting Computed Tomography  
PH249-SD-TUA4  Station #4

Fully-Automated Open-Source Critical Findings Notification System  
IN214-SD-TUA4  Station #4

The Value of Advanced Reconstruction Algorithms in Improving Upper Abdominal CT Image Quality  
PH251-SD-TUA6  Station #6

Tumor Invasiveness and Malignant Prediction in GGO Lung Nodules using Deep Learning Methods  
CH285-SD-TUA5  Station #5

**12:45–1:15 PM**  
**Scientific Posters**

Actionable Findings in Daily Clinical Practice  
IN215-SD-TUB5  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
CA250-SD-TUB5 .......................... Station #5

Correlation between Extracellular Volume Expansion and Late Gadolinium Enhancement in Dilated Cardiomyopathy
CA249-SD-TUB4 .......................... Station #4

Decreased Left Atrial Longitudinal Strain is Associated with Cardiac Amyloidosis
CA217-SD-TUB3 .......................... Station #3

Hepatocellular Carcinoma with Hilar Bile Duct Tumor: Thrombus Versus Hilar Cholangiocarcinoma on Enhanced Computed Tomography: A Diagnostic Challenge
GL349-SD-TUB2 .......................... Station #2

Multiparametric Cardiovascular Magnetic Resonance Imaging in Acute Myocarditis: A Comparison of Different Measurement Approaches
CA215-SD-TUB1 .......................... Station #1

Prediction of Disease-Free Survival in Colorectal Cancer Patients with Liver Metastasis Using Radiomics Features
GI402-SD-TUB8 .......................... Station #8

Principle Component Analysis (PCA) in Photon-Counting Spectral CT and Its Implementation in Projection Domain and Image Domain with Denoising
PH258-SD-TUB7 .......................... Station #7

Wednesday, Dec. 4, 2019

12:15–12:45 PM
Scientific Posters
Diagnostic Value of CT Lymphangiography (CTL) in Primary Intestinal Lymphangiectasia (PIL)
GI410-SD-WEA11 .......................... Station #11

Different Patterns of CMR in Fabry’s Cardiovascular Disease
CA220-SD-WEA3 .......................... Station #3

Exploring the Diagnostic Value of LV Strain Parameters in Acute Myocarditis by CMR-FT
CA218-SD-WEA1 .......................... Station #1

Fabry’s Disease without Changes in T1 Mapping Can Be Differentiated from Healthy Volunteers by Feature Tracking Strain Imaging
CA253-SD-WEA7 .......................... Station #7

Myocardial Strain Analysis with Feature-Tracking Magnetic Resonance in Patients with Cardiac Amyloidosis
CA252-SD-WEA6 .......................... Station #6

Novel Ultrahigh-Resolution CT Using a CMOS Detector Built on a Conventional Multislice CT Scanner’s Detector
PH216-SD-WEA3 .......................... Station #3

The Diagnostic Value of Adenosine Stress Computed Tomography Myocardial Perfusion in Suspected Coronary Artery Disease
CA219-SD-WEA2 .......................... Station #2

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

Assessment of Intraductal Carcinoma in Situ with Grating-Based Phase-Contrast Computed Tomography
PH263-SD-WEB6 .......................... Station #6

Correlation of Myocardial Tissue Characteristic, Strain, and Mass in Anderson-Fabry Patients
CA257-SD-WEB5 .......................... Station #5

Extracellular Volume Analysis with Cardiac Magnetic Resonance in Patients with Scleroderma
CA256-SD-WEB4 .......................... Station #4

Quantitative Assessment of Left Ventricular Myocardial Strain in Patients with Myocarditis by Magnetic Resonance Myocardial Tissue Tracking
CA221-SD-WEB1 .......................... Station #1

Simulated Enhancement Ratio of Myocardium to Aorta for the Identification of Obstructive Coronary Artery Disease using Dynamic Myocardial Computed Tomography Perfusion
CA258-SD-WEB6 .......................... Station #6

12:45–1:15 PM
Education Exhibits
Exploring the Sub-Voxel: Basics of CT Angiographic Microvascular Reconstruction and Its Role in Enhancing 3D Mesh Creation
VI140-ED-WEB10 .......................... Station #10

Thursday, Dec. 5, 2019

12:15–12:45 PM
Scientific Posters
Accuracy of Volumetric Trabecular Bone Mineral Density Assessment Using Dual-Source Dual-Energy CT: Phantom Study and Comparison with Quantitative CT
PH244-SD-THA5 .......................... Station #5
Does Knowledge-Based Iterative Model Reconstruction Improve Diagnostic Performance in Dynamic Myocardial CT Perfusion Imaging with Low-Tube Voltage Scan?

CA225-SD-THA2  . . . . . . . . . . . . . . . . . . . . . . . . . Station #2

MR Tissue Tracking Technique for Evaluation of Isolated Left Ventricular Noncompaction Regional and Layer-Specific Strain

CA226-SD-THA3  . . . . . . . . . . . . . . . . . . . . . . . . . Station #3

Myocardial Deformation Assessment in Patients with Isolated Left Ventricular Non-Compaction Using Deformable Registration of Cine MRI: Comparison with Feature Tracking

CA224-SD-THA1  . . . . . . . . . . . . . . . . . . . . . . . . . Station #1

The Application of Monochromatic Images in Spectral CT for Reducing Metal Artifacts in Chest Biopsy Procedure

PH243-SD-THA7  . . . . . . . . . . . . . . . . . . . . . . . . . Station #7


GI386-SD-THA7  . . . . . . . . . . . . . . . . . . . . . . . . . Station #7

12:45–1:15 PM

Scientific Posters

Assessment of Texture Feature Reproducibility in Dual-Energy Computed Tomography Virtual Monoenergetic Images

PH246-SD-THB7  . . . . . . . . . . . . . . . . . . . . . . . . . Station #7

Automated Segmentation of Cardiac Structures for Pre-Operative Training and Planning of Congenital Heart Surgery

PH225-SD-THB4  . . . . . . . . . . . . . . . . . . . . . . . . . Station #4

Detection of Arbitrary Signals on Images with Streak Artifacts Using Convolutional Neural Networks

PH247-SD-THB5  . . . . . . . . . . . . . . . . . . . . . . . . . Station #5

Measurement of Circumferential Tumor Extent of Colorectal Cancer on CT Colonography: Relation to Clinicopathological Features and Patient Prognosis

GI362-SD-THB2  . . . . . . . . . . . . . . . . . . . . . . . . . Station #2

Optimization of Contrast Medium for Abdominal CT in Oncologic Patient: A Prospective Comparison Between Fixed and Lean Body Weight-Adapted Injection Protocols

GI391-SD-THB7  . . . . . . . . . . . . . . . . . . . . . . . . . Station #7

Quantitative Assessment of Myocardial Strain of LVNC Based on CMR Tissue Tracking

CA227-SD-THB1  . . . . . . . . . . . . . . . . . . . . . . . . . Station #1

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

CA245-SD-THB5  . . . . . . . . . . . . . . . . . . . . . . . . . Station #5

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