

RSNA® 2019
DECEMBER 1-6

Computed Tomography

**RADIOLOGICAL SOCIETY
OF NORTH AMERICA**
105TH Scientific Assembly
and Annual Meeting

Meeting.RSNA.org
#RSNA19

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 Symposiums 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*.

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

**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****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****Educational Courses**

RSNA AI Deep Learning Lab: Beginner Class: Classification Task (Intro)

Session SPAI21 . . . **AI Showcase North Building Level 2****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****1:30–2:45 PM****Educational Courses**

Basic Physics Lecture for the RT: Radiation Safety Refresher Course

Session SPPH21 **S402AB****1:30–3:00 PM****Educational Courses**

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**

HRCT of Interstitial Lung Disease: Interactive Read with the Experts (Interactive Session)

Course RC301 **S406A**

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

3:00–4:15 PM

Educational Courses

BOOST: Advanced Techniques in Image-guided Therapy (Interactive Session)

Course MSRO44 S103CD

3:00–4:30 PM

Educational Courses

RSNA AI Deep Learning Lab: Beginner Class: Classification Task (Intro)

Session SPAI43 . . . AI Showcase North Building Level 2

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

**10:30 AM–12:00 PM****Scientific Papers Sessions**

Cardiac (Coronary Artery Disease: CT and MRI Techniques)
Session SSQ03 **E450B**

Gastrointestinal (Advanced CT Technique)
Session SSQ08 **S102CD**

Physics (Dual Energy/Spectral CT)
Session SSQ18 **E353A**

Physics (Deep Learning - Dose Reduction and Image Quality)
Session SSQ19 **E353B**

11:00–11:20 AM**Showcase Presentations**

RSNA AI Theater: Big Data and Its Impact on Stroke Imaging:
 Presented by Cercare Medical
Session AI52 **AI Showcase North Building Level 2**

1:00–2:30 PM**Educational Courses**

RSNA AI Deep Learning Lab: Segmentation
Session SPAI52 . . . **AI Showcase North Building Level 2**

1:30–1:50 PM**Showcase Presentations**

RSNA AI Theater: AI for Diagnosis, AI for the World: Presented
 by LPIXEL, Inc.
Session AI57 **AI Showcase North Building Level 2**

4:30–6:00 PM**Educational Courses**

CT of Structural Heart Disease: Guiding Interventional
 Procedures
Course RC703 **E350**

Advances and Updates in SPECT/CT
Course RC711 **S504CD**

CTA for TAVR and Other Aortic Valve Replacements
Course RC712 **E352**

Innovations in MR and CT Perfusion
Course RC721 **S103AB**

CT Radiation Dose Reduction: Techniques and Clinical
 Implementation
Course RC723 **S504AB**

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**

Posters and Exhibits Discussions

*[CME is available when the author is present for discussion
 during the lunch period]*

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 (SMILIE) in
 Cardiac CT

CA200-SD-SUA1 **Station #1**

Feasibility of Dose Modulation for Reducing Radiation Dose
 with Arms-Down Patient Position in Abdominopelvic
 Computed Tomography

GI333-SD-SUA4 **Station #4**

High-Resolution Knee Arthrography Using Photon-Counting
 Detector CT for Grading Osteoarthritis

PH238-SD-SUA4 **Station #4**

Lung Tumor Segmentation for Volume Measurement Using
 Coupling-Net in Chest CT Images of Lung Cancer Patients

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-MOA7 **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

GI349-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

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

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

Education Exhibits

SPACE NO.

EXHIBIT TITLE

UR002-EB-X

Automatic Quantitative Analysis of Kidney Tumor Using 3D Fully Convolutional Network

UR115-ED-X

Changing Paradigms in Urothelial Imaging: New Approaches to Diagnosis and Reporting

VI104-ED-X

Subtraction CT Angiography of Peripheral Artery with Orbital Synchronized Helical Scanning Using Characteristic of Organ-Based Tube Current Modulation

VI123-ED-X

The Bleeding Point: Manifestations of Hemorrhage and Related Pathologies - With Mimics and Pitfalls



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