Cardiac Radiology

RADIOLOGICAL SOCIETY
OF NORTH AMERICA
105th Scientific Assembly and Annual Meeting

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#RSNA19
Walk Through the Week

Sunday, Dec. 1, 2019

Case of the Day
Cardiac Sunday Case of the Day
Session ED002-SU . . . . . . . . . . . . . . . . . . Case of Day, Learning Center

10:45 AM–12:15 PM
Scientific Papers Sessions
Science Session with Keynote: Cardiac (Coronary Artery Disease - Practice and Prognosis)
Session SSA03 . . . . . . . . . . . . . . . . . . . . . . . S105AB
Cardiac (Myocardial Ischemia and Viability (MRI))
Session SSA04 . . . . . . . . . . . . . . . . . . . . . . . S102CD

12:30–1:00 PM
Posters and Exhibits: Discussions
Cardiac Sunday Poster Discussions
Session CAS-SUA . . . . . . . . . . . . . . . . . . . . . . CA Community, Learning Center

1:00–1:30 PM
Posters and Exhibits: Discussions
Cardiac Sunday Poster Discussions
Session CAS-SUB . . . . . . . . . . . . . . . . . . . . . CA Community, Learning Center

2:00–3:30 PM
Educational Courses
Read with the Experts (Cardiac Radiology)
(Interactive Session)
Course RC103 . . . . . . . . . . . . . . . . . . . . . . . . N230B

Monday, Dec. 2, 2019

Case of the Day
Cardiac Monday Case of the Day
Session ED002-MO . . . . . . . . . . . . . . . . . . Case of Day, Learning Center

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
Infections and Inflammatory Cardiac Disorders
Course RC203 . . . . . . . . . . . . . . . . . . . . . . . . E353A
Emergency Cardiothoracic CT Angiography
Course RC208 . . . . . . . . . . . . . . . . . . . . . . . . E450B
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  
Cardiac (Nonischemic Cardiomyopathies)  
Session SSC02 . . . . . . . . . . . . . . . . . . . . . . . . . . S401CD

12:15–12:45 PM  
**Posters and Exhibits: Discussions**  
Cardiac Monday Poster Discussions  
Session CAS-MOA . . . . . . . CA Community, Learning Center

12:45–1:15 PM  
**Posters and Exhibits: Discussions**  
Cardiac Monday Poster Discussions  
Session CAS-MOB . . . . . . . CA Community, Learning Center

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

3:00–4:00 PM  
**Scientific Papers Sessions**  
Science Session with Keynote: Cardiac (Congenital and Pediatric Imaging)  
Session SSE03 . . . . . . . . . . . . . . . . . . . . . . . . . . . E350  
Science Session with Keynote: Cardiac (Arrhythmia and Electrophysiology)  
Session SSE04 . . . . . . . . . . . . . . . . . . . . . . . . . . . E353B  
Nuclear Medicine (Cardiovascular PET)  
Session SSE17 . . . . . . . . . . . . . . . . . . . . . . . . . . . S403A

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

**Case of the Day**  
Cardiac Tuesday Case of the Day  
Session ED002-TU . . . . . . . . Case of Day, Learning Center

7:15–8:15 AM  
**Educational Courses**  
Houston, We Have a Problem (Case-based Competition)  
Session SPDL30 . . . . . . . . . . . . . . . . . . . . . . . . . E451B

8:30 AM–12:00 PM  
**Educational Courses**  
Cardiac Series: Emerging Cardiovascular MR and CT Imaging  
Course RC303 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E350  
Cardiac (Nonischemic Cardiomyopathies)  
Session SSC02 . . . . . . . . . . . . . . . . . . . . . . . . . . S401CD

8:30–10:00 AM  
**Educational Courses**  
Percutaneous Thoracic Interventions  
Course RC331 . . . . . . . . . . . . . . . . . . . . . . . . . . . . S403A

10:30 AM–12:00 PM  
**Educational Courses**  
Emerging Imaging Trends (Sponsored by the Associated Sciences Consortium)  
(Interactive Session)  
Course MSAS32 . . . . . . . . . . . . . . . . . . . . . . . . . . S105AB

10:30 AM–12:00 PM  
**Scientific Papers Sessions**  
Cardiac (CT, MRI, and Nuclear Medicine: General Topics)  
Session SSG02 . . . . . . . . . . . . . . . . . . . . . . . . . . . S104A

12:15–12:45 PM  
**Posters and Exhibits: Discussions**  
Cardiac Tuesday Poster Discussions  
Session CAS-TUA . . . . . . . CA Community, Learning Center

12:45–1:15 PM  
**Posters and Exhibits: Discussions**  
Cardiac Tuesday Poster Discussions  
Session CAS-TUB . . . . . . . CA Community, Learning Center

3:00–4:00 PM  
**Scientific Papers Sessions**  
Cardiac (Myocarditis and Inflammation)  
Session SSJ03 . . . . . . . . . . . . . . . . . . . . . . . . . . . N227B  
Cardiac (MRI: General Topics)  
Session SSJ04 . . . . . . . . . . . . . . . . . . . . . . . . . . . N230B
**3:30–5:00 PM**
**Educational Courses**
Essentials of Trauma Imaging
Course MSES34 ........................................ S100AB

**4:30–6:00 PM**
**Educational Courses**
Current Practice and Emerging Techniques in Coronary CT
Course RC403 ........................................... E351
Advances in Cardiac Nuclear Imaging: SPECT/CT and PET/CT
Course RC411 ........................................... S504CD

**Wednesday, Dec. 4, 2019**

**Case of the Day**
Cardiac Wednesday Case of the Day
Session ED002-WE .......... Case of Day, Learning Center

**8:30–10:00 AM**
**Educational Courses**
Rapid Fire: 80 Cardiac Cases in 80 Minutes
Course RC503 ........................................... E353B

**10:30 AM–12:00 PM**
**Scientific Papers Sessions**
Cardiac (Coronary Atherosclerosis)
Session SSK03 ................................. E351

Science Session with Keynote: Cardiac (Great Vessels)
Session SSK04 ................................. E352

**12:15–12:45 PM**
**Posters and Exhibits: Discussions**
Cardiac Wednesday Poster Discussions
Session CAS-WEA .... CA Community, Learning Center

**12:45–1:15 PM**
**Posters and Exhibits: Discussions**
Cardiac Wednesday Poster Discussions
Session CAS-WEB .... CA Community, Learning Center

**1:30–3:00 PM**
**Educational Courses**
Essentials of Cardiac Imaging
Course MSES43 ........................................ S100AB

**3:00–4:00 PM**
**Scientific Papers Sessions**
Cardiac (Myocardial Disease)
Session SSM03 ................................. S401CD

Cardiac (Anatomy and Function)
Session SSM04 ................................. S404AB

**Thursday, Dec. 5, 2019**

**Case of the Day**
Cardiac Thursday Case of the Day
Session ED002-TH .......... Case of Day, Learning Center

**8:30–10:00 AM**
**Educational Courses**
Nonischemic Cardiomyopathies: Role of Cardiac MRI
Course RC603 ........................................... S103AB

**10:30 AM–12:00 PM**
**Scientific Papers Sessions**
Science Session with Keynote: Cardiac (Valvular Imaging and Intervention)
Session SSQ02 ................................. E353C

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

**12:15–12:45 PM**
**Posters and Exhibits: Discussions**
Cardiac Thursday Poster Discussions
Session CAS-THA .... CA Community, Learning Center

**12:45–1:15 PM**
**Posters and Exhibits: Discussions**
Cardiac Thursday Poster Discussions
Session CAS-THB .... CA Community, Learning Center

**3:00–4:00 PM**
**Educational Courses**
Hot Topic Session: 4D Flow Imaging in Congenital and Acquired Cardiovascular Disease-Clinical Impact
Session SPSH52 ................................. S401CD

**4:30–6:00 PM**
**Educational Courses**
CT of Structural Heart Disease: Guiding Interventional Procedures
Course RC703 ........................................... E350

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

“One-Stop” Computed Tomography Myocardial Perfusion Imaging: A Novel Protocol for Comprehensive Evaluation in Patients with Coronary Artery Disease  
CA239-SD-SUA5  . . . . . . . . . . . . . . . . . . . . . . Station #5

Comparison of the Prevalence of High-Risk Plaque Between Metabolic Syndrome and Non-Metabolic Syndrome: Evaluation with DSCT Angiography  
CA202-SD-SUA3  . . . . . . . . . . . . . . . . . . . . . . Station #3

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

Efficacy of Spectral Imaging Using Dual-Layer Spectral Detector Computed Tomography for Acute Coronary Syndrome  
CA201-SD-SUA2  . . . . . . . . . . . . . . . . . . . . . . Station #2

Markers of Myocardial Injury Based on 3.0T MRI in Predicting the Recovery of Segmental Recovery After Acute Myocardial Infarction  
CA238-SD-SUA4  . . . . . . . . . . . . . . . . . . . . . . Station #4

**12:30–1:00 PM**

**Education Exhibits**

Detecting Post-Fontan Hepatic Complications  
CA159-ED-SUA6  . . . . . . . . . . . . . . . . . . . . . . Station #6

Recent Technologies in Coronary Stent CT Angiography: Impact of the Ultra High Resolution CT on Its Image Quality  
CA158-ED-SUA7  . . . . . . . . . . . . . . . . . . . . . . Station #7

### Monday, Dec. 2, 2019

**12:15–12:45 PM**

**Scientific Posters**

Association between Left Atrial Function Using Tissue Tracking from Cine MR Imaging and Myocardial Fibrosis in Hypertrophic Cardiomyopathy  
CA207-SD-MOA2  . . . . . . . . . . . . . . . . . . . . . . Station #2

CT-FFR Profiles in Patients without Coronary Artery Disease  
CA233-SD-MOA4  . . . . . . . . . . . . . . . . . . . . . . Station #4

Impact of An Advanced Image-Based Monoenergetic Reconstruction Algorithm on Coronary Artery Stent Visualization Using Dual-Source Dual-Energy CT: Primary Study  
CA208-SD-MOA3  . . . . . . . . . . . . . . . . . . . . . . Station #3
Improving Image Quality of Aortic and Pulmonary Valve for Children with High Heart Rates Using Second-Generation Motion Correction Algorithm

CA231-SD-MOA6 . . . . . . . . . . . . . . . . . . . . . . Station #6

Pre-Ablation Assessment of Cardiac Anatomy and Function: Impact on Recurrence of Atrial Fibrillation

CA230-SD-MOA5 . . . . . . . . . . . . . . . . . . . . . . Station #5

Predictors for Adequate Stress Response to Adenosine Triphosphate in Perfusion Cardiac Magnetic Resonance

CA206-SD-MOA1 . . . . . . . . . . . . . . . . . . . . . . Station #1

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

12:15–12:45 PM

Education Exhibits

CT Coronary Angiography Fractional Flow Reserve (FFR): A Primer for Radiologists and Cardiologists

CA160-ED-MOA8 . . . . . . . . . . . . . . . . . . . . . . Station #8

12:15–12:45 PM

Scientific Posters

Association Between FFRCT Values and Coronary Artery Plaque Quantification Values in Coronary CT Angiography

CA237-SD-MOB7 . . . . . . . . . . . . . . . . . . . . . . Station #7

Could a Very Short MRI Protocol Replace the CT in Assessment of Cavo-Pulmonary (Glenn) Shunts in the Future? Initial Results

CA236-SD-MOB6 . . . . . . . . . . . . . . . . . . . . . . Station #6

Detection of Left Atrial Appendage Thrombi by Third-Generation Dual-Source Dual-Energy CT: Iodine Concentration versus Conventional Enhancement Measurements

CA210-SD-MOB2 . . . . . . . . . . . . . . . . . . . . . . Station #2

Feasibility of Ultra-Low Contrast Dose and Low Radiation Dose for CT Angiography of Left Atrium and Pulmonary Veins with 80kV and ASIR-V

CA234-SD-MOB4 . . . . . . . . . . . . . . . . . . . . . . Station #4

Prediction Model for Aortic Stenosis Severity Based on Aortic Valve Calcium on Cardiac Computed Tomography: Incorporation into Radiomics and Machine Learning

CA211-SD-MOB3 . . . . . . . . . . . . . . . . . . . . . . Station #3

Role of Cardiac MRI in Identification of Myocardial Fibrosis in Patients of Non-Ischemic Dilated Cardiomyopathy

CA235-SD-MOB5 . . . . . . . . . . . . . . . . . . . . . . Station #5

What is The Linear Mid-Wall LGE of The Ventricular Septum Seen in Cardiac MRI?

CA209-SD-MOB1 . . . . . . . . . . . . . . . . . . . . . . Station #1

12:45–1:15 PM

Education Exhibits

The Puzzle of Describing Congenital Heart Disease: Recognizing the Individual Pieces and Connecting Them Together using Anderson’s Sequential Segmental Analysis

CA161-ED-MOB8 . . . . . . . . . . . . . . . . . . . . . . Station #8

Tuesday, Dec. 3, 2019

12:15–12:45 PM

Scientific Posters

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

CA247-SD-TUA6 . . . . . . . . . . . . . . . . . . . . . . Station #6

Imaging of Coronary Plaques and Stents with Conventional and Photon-Counting CT

CA248-SD-TUA4 . . . . . . . . . . . . . . . . . . . . . . Station #4

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

CA213-SD-TUA2 . . . . . . . . . . . . . . . . . . . . . . Station #2

Right Ventricular Deformation Impairment Persists in Different Stages of Experimental Autoimmune Myocarditis in Rats - Assessed by Cardiac Magnetic Resonance Tissue Tracking

CA246-SD-TUA5 . . . . . . . . . . . . . . . . . . . . . . Station #5

T1 and T2 Mapping Cardiovascular Magnetic Resonance to Predict Left Ventricular Remodeling Following an Acute Myocardial Infarction

CA212-SD-TUA1 . . . . . . . . . . . . . . . . . . . . . . Station #1

12:15–12:45 PM

Education Exhibits

Cardiovascular 4D Flow MRI: From Basic Principle to Emerging Clinical Application

CA163-ED-TUA7 . . . . . . . . . . . . . . . . . . . . . . Station #7

Understanding Care and Challenges of Left Ventricular Assist Devices (LVADs)

CA164-ED-TUA8 . . . . . . . . . . . . . . . . . . . . . . Station #8
12:45–1:15 PM
Scientific Posters
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
Multiparametric Cardiovascular Magnetic Resonance Imaging in Acute Myocarditis: A Comparison of Different Measurement Approaches
CA215-SD-TUB1  . . . . . . . . . . . . . . . . . . . . . . . Station #1
Performance of Cardiac CT for the Diagnosis of Arrhythmogenic Cardiomyopathy of The Right Ventricle
CA251-SD-TUB6  . . . . . . . . . . . . . . . . . . . . . . . Station #6
The Early Warning Value of Low-Dose CT Coronary Angiography for Assessment of Vulnerable Plaque and Screening Coronary Heart Disease
CA216-SD-TUB2  . . . . . . . . . . . . . . . . . . . . . . . Station #2

12:45–1:15 PM
Education Exhibits
Clinical Applications of Deep Learning in Cardiovascular Imaging
CA165-ED-TUB7  . . . . . . . . . . . . . . . . . . . . . . . Station #7
Multimodality Imaging of Right Atrium: Potential Entities and Radiological Findings
CA168-ED-TUB8  . . . . . . . . . . . . . . . . . . . . . . . Station #8

Wednesday, Dec. 4, 2019

12:15–12:45 PM
Scientific Posters
Deep Learning-Based Automated CT Coronary Artery Calcium Scoring
CA254-SD-WEA5  . . . . . . . . . . . . . . . . . . . . . . . Station #5
Different Patterns of CMR in Fabry’s Cardiovascular Disease
CA220-SD-WEA3  . . . . . . . . . . . . . . . . . . . . . . . Station #3
ECG-Gated Multislice Computed Tomography in Aortic Perivalvular Abscess: Comparison with Transthoracic Echocardiography, Transesophageal Echocardiography, and Intraoperative Findings
CA255-SD-WEA4  . . . . . . . . . . . . . . . . . . . . . . . Station #4
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
The Diagnostic Value of Adenosine Stress Computed Tomography Myocardial Perfusion in Suspected Coronary Artery Disease
CA219-SD-WEA2  . . . . . . . . . . . . . . . . . . . . . . . Station #2

12:15–12:45 PM
Education Exhibits
Coronary FFR-CT: Future or Fad?
CA167-ED-WEA8  . . . . . . . . . . . . . . . . . . . . . . . Station #8

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
Characterization of Coronary Arterial Plaque Composition with Dual Energy Computed Tomography: A Simulation Study
CA259-SD-WEB7  . . . . . . . . . . . . . . . . . . . . . . . Station #7
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
Machine Learning to Evaluate Vulnerable Plaque on Coronary Computed Tomography with Spectral Imaging
CA222-SD-WEB2  . . . . . . . . . . . . . . . . . . . . . . . Station #2
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
A Software Pipeline Taking 4D Cardiac Data to Dynamic AR/VR Models
CA169-ED-WEB8 . . . . . . . . . . . . . . . . . . . . . . . Station #8

Thursday, Dec. 5, 2019

12:15–12:45 PM
Scientific Posters
Combined Coronary CT-Angiography and TAVI-Planning: A Contrast-Neutral and Efficient Routine Approach to Exclude Significant Coronary Artery Disease
CA242-SD-THA4 . . . . . . . . . . . . . . . . . . . . . . . Station #4

Does Knowledge-Based Iterative Model Reconstruction Improve Diagnostic Performance in Dynamic Myocardial CT Perfusion Imaging with Low-Tube Voltage Scan?
CA225-SD-THA2 . . . . . . . . . . . . . . . . . . . . . . . Station #4

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

Use of Salient Features to Optimize a Machine Learning Classifier of Coronary Artery Disease Severity
CA243-SD-THA5 . . . . . . . . . . . . . . . . . . . . . . . Station #5

12:15–12:45 PM
Education Exhibits
Late Iodine Enhancement and Myocardial Extracellular Volume Quantification by Using Cardiac CT: Emerging Trends in Clinical Practice
CA170-ED-THA6 . . . . . . . . . . . . . . . . . . . . . . . Station #6

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

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
CA229-SD-THB3 . . . . . . . . . . . . . . . . . . . . . . . Station #3

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

Ultra-Low Radiation Dose with Third-Generation DSCT for Trans-Catheter Aortic Valve Implantation Planning
CA244-SD-THB4 . . . . . . . . . . . . . . . . . . . . . . . Station #4

Education Exhibits

Space No. Exhibit Title
CA001-EB-X Turner Syndrome in Adults: Magnetic Resonance Roadmap to Cardiovascular Anomalies
CA002-EB-X Optimized Small-Animal Cardiac Functional Magnetic Resonance Imaging
CA003-EB-X Heart Mechanics by MRI: Technical Developments and Clinical Applications
CA005-EB-X Left Atrial Appendage Occlusion: Procedure Planning and Device Positioning with Advanced Imaging
CA100-ED-X Pre-and Post-Procedural Imaging of Left Atrial Appendage Closure Devices with Computed Tomography
CA101-ED-X Optimizing CT Protocols for Adult Congenital Heart Disease: A Primer for Radiologists
CA102-ED-X Evaluation of Right Ventricular Dilation Using a Multi-Modality Imaging Approach
CA103-ED-X Transposition of Great Arteries from A to Z: Hemodynamics, Imaging, and Management
CA104-ED-X Cardiac Pseudotumors and Benign Lesions of the Heart: Not Every Enhancing Mass is a Tumor!
CA105-ED-X Evaluation of Coronary and Aorta CT Angiography in 320-Row CT: Improvement of Scanning and Injection Method
CA106-ED-X  Review of Cardiac Masses: The Role of Computed Tomography
CA107-ED-X  The Advantage of Clinical Applications of Compressed Sensing in Cardiovascular Magnetic Resonance
CA108-ED-X  Acute Coronary Syndrome on Non-Cardiac Computed Tomography: What Not to Miss
CA109-ED-X  MDCT of Watchman Implantation: What the Cardiologists Want to Know
CA110-ED-X  The No Longer Ignored: Tricuspid Valve Imaging and Right Ventricular Function Analysis
CA111-ED-X  Bringing MINOCA’s Puzzle Pieces Together: The Role of Cardiac MRI (CMRI)
CA112-ED-X  Novel Assessment of Physiological Tricuspid Valve Morphology and Specific Right Ventricular Shape via 3D Printed Cardiac Models
CA113-ED-X  Physiological Computed Tomography Angiography Using the Timing Bolus Method
CA114-ED-X  Imaging of Pediatric Cardiac Tumors
CA115-ED-X  Imaging Overview of Chagas Cardiomyopathy
CA116-ED-X  Impact of Identifying STENT Type in Coronary CT: Analysis Methods and Clinical Utility Using Dual-Energy Technology
CA117-ED-X  Imaging Challenges in Cardio-Oncology: Pushing the Limits Beyond Rare Tumors
CA118-ED-X  Complications of Congenital Heart Disease in the Adult: What the Cardiologist Wants to Know
CA119-ED-X  Pulmonary Arteries in Congenital Heart Disease: Comprehensive CT and MRI-Anatomic Classification - Image Findings and Structured Reporting
CA120-ED-X  Tic Tac TOF: Tips and Tricks in Preoperative Multidetector CT (MDCT) Evaluation of Tetralogy of Fallot
CA121-ED-X  Acute Cardiac Support Devices: An Imaging Review of Non-Durable Mechanical Circulatory Support Devices

CA122-ED-X  Major Aorto Pulmonary Collaterals (MAPCAs): What the Radiologist Needs to Know
CA123-ED-X  CT and MR Imaging of Cardiac Masses and Pseudomas: A Case-based Review
CA124-ED-X  1H-Magnetic Resonance Spectroscopy for Metabolic Imaging of Myocardial Triglyceride Content: How “To Do It”
CA125-ED-X  A Beginner’s Guide to Understanding Echocardiography with CT/MRI Correlation, Case-based Examples, and Emphasis on Blind Spots
CA126-ED-X  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  Intravenous Nitroglycerin Technique with Cardiac Computed Tomography for Visualizing Occluded Coronary Artery Filled by Collaterals
CA128-ED-X  Multidetector Cardiac Computed Tomography Angiography for Characterization of Structural Abnormalities of Left Ventricular Outflow Tract
CA129-ED-X  Know ‘THE WAVES’ Before You Surf Them: Basic ECG and Case-based Quiz for Cardiac Radiologists
CA130-ED-X  When to Wave the Red Flag: Imaging Spectrum of Heart Conditions that Can Cause Sudden Cardiac Death (SCD)
CA131-ED-X  Cardiac MRI on Assessing Right Ventricular Systolic Function: How Many Methods Do We Have and How to Use It?
CA132-ED-X  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  An Emerging Technique to Achieve Diagnostic Exams in Cardiac MRI with Implanted Cardiac Devices
CA134-ED-X  Off the Beaten Path: Imaging of Unusual Cardiac Aneurysms
<table>
<thead>
<tr>
<th>Session Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA135-ED-X</td>
<td>Survival Guide for Multimodality Imaging of the Mitral Valve: Morphology, Function, and Disease</td>
</tr>
<tr>
<td>CA136-ED-X</td>
<td>Cardiac MR imaging of Muscular Dystrophies</td>
</tr>
<tr>
<td>CA137-ED-X</td>
<td>Multidetector Cardiac Computed Tomography Angiography for Demonstration and Characterization of Anomalies of Coronary Sinus</td>
</tr>
<tr>
<td>CA138-ED-X</td>
<td>The Not So Fantastic Four: Pre- and Post-Operative Evaluation of Tetralogy of Fallot (TOF) on 4D MRI</td>
</tr>
<tr>
<td>CA139-ED-X</td>
<td>Advances in Non-Invasive Imaging of Patients with Single Ventricles following Fontan Palliation</td>
</tr>
<tr>
<td>CA140-ED-X</td>
<td>Non-Malignant Cardiac Findings That Can Mimic Malignancy on Oncologic PET-CT</td>
</tr>
<tr>
<td>CA141-ED-X</td>
<td>Quantification in Cardiovascular MR - A Primer for Radiology Residents</td>
</tr>
<tr>
<td>CA142-ED-X</td>
<td>Multi-Modality Imaging of Congenital Semilunar Valvular and Perivalvular Disease</td>
</tr>
<tr>
<td>CA143-ED-X</td>
<td>Apical Variant Hypertrophic Cardiomyopathy &quot;Multimodality Imaging Evaluation&quot;</td>
</tr>
<tr>
<td>CA144-ED-X</td>
<td>Complications of Coronary Interventions and Surgeries: Imaging and Management</td>
</tr>
<tr>
<td>CA145-ED-X</td>
<td>Role of Cardiogenetics Imaging in the Era of Radiogenomics and Precision Medicine</td>
</tr>
<tr>
<td>CA146-ED-X</td>
<td>Deep Learning Approaches in Cardio-Vascular Magnetic Resonance Imaging: Principles and Applications</td>
</tr>
<tr>
<td>CA147-ED-X</td>
<td>Assessment of Cardiac Sarcoidosis with Advanced Imaging Modalities</td>
</tr>
<tr>
<td>CA148-ED-X</td>
<td>Pulmonary Atresia with VSD: What a Radiologist Should Know</td>
</tr>
<tr>
<td>CA149-ED-X</td>
<td>Coronary CT Angiography for Myocardial Bridging: From Anatomy to Function</td>
</tr>
<tr>
<td>CA150-ED-X</td>
<td>Detection of Chemotherapy-Induced Cardiotoxicity by Cardiac Magnetic Resonance During Treatment for Breast Cancer: Current Concepts and Applications</td>
</tr>
<tr>
<td>CA151-ED-X</td>
<td>Speaking Surgeons Lingo: Pre and Post-operative Imaging in Tetralogy of Fallot</td>
</tr>
<tr>
<td>CA152-ED-X</td>
<td>Subendocardial Late Gadolinium Enhancement: Beyond &quot;Infarction&quot;</td>
</tr>
<tr>
<td>CA153-ED-X</td>
<td>Debunking the Gap in the Interrupted Pulmonary Artery</td>
</tr>
<tr>
<td>CA154-ED-X</td>
<td>Cardiac Magnetic Resonance (CMR) in Acute Chest Pain</td>
</tr>
<tr>
<td>CA155-ED-X</td>
<td>Late Complications, Sequelae, and Residua in Patients after Surgery for Congenital Heart Diseases: What Should Radiologists Know?</td>
</tr>
<tr>
<td>CA156-ED-X</td>
<td>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</td>
</tr>
<tr>
<td>CA166-ED-X</td>
<td>Troponin-Positive Nonobstructive Coronary Arteries (TpNOCA) and Myocardial Infarction with Nonobstructive Coronary Arteries (MINOCA): Definition, Etiologies, and CT and MR Findings</td>
</tr>
</tbody>
</table>
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