

CARDIAC CT: FUNDAMENTALS TO ADVANCED PRACTICE

FUNDAMENTALS OF CARDIAC CT

Introduction to Cardiac CT and Program

Rhanderson Cardoso, MD, MHS, FACC

Brigham and Women's Hospital; Brigham and Women's Faulkner Hospital; Harvard Medical School

CT Scanners and Hardware Technology

Prabhakar Rajiah, MBBS, MD, FACC

Mayo

Radiation Safety

Andrew Einstein MD, PhD, FACC

Columbia University Medical Center

IMAGE ACQUISITION AND POST PROCESSING

Patient Preparation

Oliver Kenney, RT

Harvard

Protocols for Image Acquisition

Esra Gucuk Ipek, MD

WellSpan Health

Challenges in Image Acquisition

Oliver Kenney, RT

Harvard

Post-Processing and Reconstruction Part 1 & Part 2

Bruno B. Lima, MD, PhD, FACC

Vanderbilt Heart and Vascular Institute

CALCIUM SCORING

Coronary Artery Calcium Score: Part 1 & Part 2

Rhanderson Cardoso, MD, MHS, FACC

Brigham and Women's Hospital; Brigham and Women's Faulkner Hospital; Harvard Medical School

CALCIUM SCORING (SUPPLEMENTAL MATERIALS)

Incidental Detection of Atherosclerotic Plaque: Is It a 'Primary Event' Warranting Secondary Prevention Therapies?

Kavitha Chinnaiyan, MD, FACC

William Beaumont Hospital

Three-Way Debate: Plaque Burden and Analysis Are the Future of Personalized CV Risk Assessment

Ron Blankstein, MD, FACC

Brigham and Women's Hospital

Three-Way Debate: CAC Is Necessary for Personalized CV Risk

Khurram Nasir, MBBS, FACC

Houston Methodist

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CALCIUM SCORING (SUPPLEMENTAL MATERIALS) CONT.

Three-Way Debate: Traditional Clinical Risk Scores Are Good Enough for Personalized CV Risk Assessment

Sadiya Khan, MD, FACC
Northwestern Memorial Hospital

What Do I Do with All This Calcium in My Heart?

Roger Blumenthal, MD, FACC
Johns Hopkins

Panel Discussion: How Do We Incorporate Incidental CAC Into Cardio-Oncology Practices?

Daniel Addison, MD
UT Southwestern

Dipti Gupta, MBBS, MPH, FACC
Memorial Sloan Kettering Cancer Center

Tomas Neilan, MD, MPH, FACC
Massachusetts General Hospital

Pamela Pina Santana, MD, FACC
CEDIMAT Cardiovascular Center

Eric Yang, MD, FACC
UCLA

Extensive CAC or Non-Obstructive CAD on CT: What Now?

Khurram Nasir, MBBS, FACC
Houston Methodist

Coronary Calcification in Athletes: How Common, How Concerning?

Jeffrey Hsu, MD, PhD, FACC
UCLA

CORONARY CT ANGIOGRAPHY (CCTA)

CCTA: Assessment of Stenosis and CAD-RADS 2.0

Vasvi Singh, MD FACC
HCA Midwest Health

CCTA in Stable Chest Pain Part 1 & Part 2

Arthur Shiyovich, MD
Brigham and Women's Hospital

CCTA In Acute Chest Pain Part 1 & Part 2

Patrycja Galazka, MD, FACC
Aurora Baycare

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CORONARY CT ANGIOGRAPHY (CCTA) (SUPPLEMENTAL MATERIALS)

Evolving Full Assessment of Coronary Disease Calcium Score and CT Angio: Indications, Anatomy Structure and Function

Matthew J. Budoff, MD, FACC
Los Angeles Biomedical Research Institute

Cardiovascular CT In Future Guidelines: What Data Do We Need

Ron Blankstein, MD, FACC
Brigham and Women's Hospital

Imaging For Transcatheter Tricuspid Intervention: CT, TEE, and ICE

Rhonda Miyasaka, MD
Cleveland Clinic

PLAQUE BURDEN AND FLOW ASSESSMENT

CCTA Plaque Features

Marcio Sommer Bittencourt, MD, MPH, PhD
University of Pittsburgh Medical Center Presbyterian

CCTA Plaque Burden: Semi-Quantitative and Quantitative Assessment Part 1 & Part 2

Arthur Shiyovich, MD
Brigham and Women's Hospital

CT-FFR

Jonathan Weir-Mccall, MB ChB
Ninewells Hospital

PLAQUE BURDEN AND FLOW ASSESSMENT (SUPPLEMENTAL MATERIALS)

Panel Discussion: Establishing Consensus with Quantitative Coronary Plaque Analysis (QCPA)

Y. S. Chandrashekhkar, MD, FACC
University of Minnesota; Minneapolis VA Medical Center

Pamela Douglas, MD, MACC
Duke University

William Herzog, MD, FACC
Duke University

Jonathon Leipsic, MD
Centre for Heart Lung Innovation

Leslee Shaw, PhD, FACC
Mount Sinai

AI In Cardiac CT: What's Lab-Ready and Coming Soon

Damini Dey, PhD, FACC
Cedars-Sinai Medical Center

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SPECIAL POPULATIONS

Coronary Stents – Part 1: Stent Imaging Fundamentals & Part 2: CST for PCI Planning

Bruno B. Lima, MD, PhD, FACC
Vanderbilt Heart and Vascular Institute

Bypass Grafts

Vasvi Singh, MD, FACC
HCA Midwest Health

Anomalous Coronary Arteries

B. Kelly Han, MD, FACC
Minneapolis Heart Institute

Cardiac CT for Congenital Heart Disease

B. Kelly Han, MD, FACC
Minneapolis Heart Institute

Patients with Chronic Kidney Disease

Daniel Huck, MD, MPH, FACC
Harvard

Patients with Diabetes

Rhanderson Cardoso, MD, MHS, FACC
Brigham and Women's Hospital; Brigham and Women's Faulkner Hospital; Harvard Medical School

SPECIAL POPULATIONS (SUPPLEMENTAL MATERIALS)

Forewarned Is Forearmed: The Promise of Photon-Counting CT for Procedural Planning in Calcified CAD

Yader Sandoval, MD, FACC
Allina Health Minneapolis Heart Institute at Abbot Northwestern Hospital

From Pixels To Plaque: How CCTA Is Reshaping PCI Planning

Yader Sandoval, MD, FACC
Allina Health Minneapolis Heart Institute at Abbot Northwestern Hospital

Imaging in SCAD Patients: When Can We Use CTA?

Kelley Branch, MD, FACC
University of Washington

STRUCTURAL HEART DISEASE

Cardiac CT For TAVR Part 1 (Apply Cardiac CT Protocols for Pre-Procedural Assessment in Transcatheter Aortic Valve Replacement (TAVR)) & Part 2 (Evaluate Post-TAVR Outcomes Using Cardiac CT Imaging to Identify Complications and Guide Follow-Up Care)

Anna Reid, PhD, MB ChB
Manchester Heart Institute, Manchester University NHS

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STRUCTURAL HEART DISEASE CONT.

CT Imaging Evaluation for Mitral and Tricuspid Interventions

Omar Khalique, MD, FACC
Saint Francis Hospital

Prosthetic Heart Valves

James Lee, MD FACC
Henry Ford Hospital and Medical Group

STRUCTURAL HEART DISEASE (SUPPLEMENTAL MATERIALS)

Panel Discussion with Audience Q&A: Framing the Fix: Imaging Strategies for Structural Interventions

Megan Coylewright, MD, MPH, FACC
Essentia Health

Maurice Enriquez-Sarano, MD, FACC
Minneapolis Heart Institute

Tora Leong, MB, PhD
Ireland

Lucy Safi, DO, FACC
Mount Sinai

Second Time's the Charm: Multimodality Imaging for Redo-TAVR

Roosha Parikh, MD, FACC
St. Francis Hospital and Heart Center; New York Institute of Technology

Mechanical Valve Obstruction: Is It Pannus or Thrombus?

Jonathon Leipsic, MD
Centre for Heart Lung Innovation

Cracking the Calcium: The Role of Imaging in Treating Severe Mitral Regurgitation with Severe MAC

Zuyue Wang, MD, FACC
Baylor Scott & White

Discussion 3: Imaging for Transplant Triumph: Capturing What the Surgeon Needs to Know

Anthony Hlavacek, MD
Medical University of South Carolina

Case Presentation: Highlighting the Role of Multimodality Imaging in Structural Interventions

Abdelrahman Ahmed, PharmD
Pharmalink

ELECTROPHYSIOLOGY APPLICATIONS

Cardiac CT for the Left Atrial Appendage: Part 1 & Part 2

Roosha Parikh, MD, FACC
St. Francis Hospital and Heart Center; New York Institute of Technology

Cardiac CT for Electrophysiology Procedures

Roosha Parikh, MD, FACC
St. Francis Hospital and Heart Center; New York Institute of Technology

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ELECTROPHYSIOLOGY APPLICATIONS (SUPPLEMENTAL MATERIALS)

Case Discussion with Expert Panel: Seeing Before Sealing: Imaging Prior to Left Atrial Appendage Closure (TEE/ICE/CT)

Ricardo Fontes-Carvalho, MD, PhD, FACC
Incor Clinica Coracao

Ray Hu, MD
University of Pennsylvania

Renuka Jain, MD, FACC
Aurora Cardiovascular Services

Estelle Torbey, MD, FACC
Lifespan

Sneha Vakamudi, MD, FACC
Institute for Cardiovascular Care

Case Presentation: Seeing Before Sealing: Imaging Prior to Left Atrial Appendage Closure (TEE/ICE/CT)

Abdelrahman Ahmed, PharmD
Pharmalink

LAAO Imaging: The Changing Landscape of Imaging Modalities

Steven J. Filby, MD
University Hospitals

Julie Mobayed, BSN, CPHQ, MPH, RN, AACC
American College of Cardiology

Residual Leaks: Post LAAO Imaging

Mahmoud Houmsse, MD, FACC
The Ohio State University Wexner Medical Center

Julie Mobayed, BSN, CPHQ, MPH, RN, AACC
American College of Cardiology

MISCELLANEOUS

Fat Attenuation Index

Christos P. Kotanidis, MD, MSc, DPhil
University of Oxford

Cardiac CT for Assessment of Endocarditis

Ayaz Aghayev, MD
Mass General Brigham; Harvard Medical School

Cardiac Masses

Ayaz Aghayev, MD
Mass General Brigham; Harvard Medical School

Assessment of the Thoracic Aorta

Sandeep S. Hedgire, DNB, MD, DABR
Harvard Medical School; Massachusetts General Hospital

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MISCELLANEOUS CONT.

Extra-Cardiac Findings

Sandeep S. Hegdige, DNB, MD, DABR
Harvard Medical School
Massachusetts General Hospital

MISCELLANEOUS (SUPPLEMENTAL MATERIALS)

How Do We Fix the Workforce Crisis in CV Imaging

Ana Barac, MD, PhD, FACC
Inova Heart and Vascular Institute

Jerry Blackwell, MD, MBA, FACC
MedAxiom

Jeffrey Hill, MSc, ACS, AACC
Massachusetts College of Pharmacy and Health Sciences

Akshay K. Khandelwal, MD, MBA, FACC
Allegheny Health Network

Monvadi Barbara Srichai  Parsia, MD, FACC
Georgetown University Hospital

Vikas Veeranna, MD, FACC
Elliot Heart and Vascular Center

Tackling Reimbursement Challenges in Cardiac Imaging

Cathleen Biga, MSN, MACC
Cardiovascular Management of Illinois

Cristina Fuss, MD
Yale School of Medicine

Friederike Keating, MD, FACC
University of Vermont Medical Center

Omar Khalique, MD, FACC
Saint Francis Hospital

Nishant Shah, MD, FACC
Duke University School of Medicine

Vikas Veeranna, MD, FACC
Elliot Heart and Vascular Center

Dee Dee Wang, MD, FACC
Naples Comprehensive Health

Case Presentation: Cardiac CT with Abnormal Peri-Vascular Fat Attenuation Index

Patricia Rodriguez Lozano, MD, FACC
University of Virginia Health System

Imaging Around Coronary Arteries: The Role of Pericoronary Fat

Patricia Rodriguez Lozano, MD, FACC
University of Virginia Health System

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MISCELLANEOUS (SUPPLEMENTAL MATERIALS) CONT.

Illuminating Cases in Cardiac CT

Jonathon Leipsic, MD
Centre for Heart Lung Innovation

Top 3 Practice-Changing Advancements in Cardiac CT Since ACC.25

Kavitha Chinnaiyan, MD, FACC
William Beaumont Hospital

Beyond Lumens: Cardiac CT Evaluation of Extraluminal Etiologies of Myocardial Ischemia

Madhavi Kadiyala, MD, FACC
Tufts Medical Center

Case Presentation: Beyond the Surface - Imaging Strategies for Pacemaker and ICD Infections (Echo, CT And FDG/PET)

Simrat Kaur, MD, FACC
HonorHealth John C. Lincoln Medical Center

Panel Discussion with Audience Q&A: Icons and Impactful Innovations in Imaging

Ron Blankstein, MD, FACC
Brigham and Women's Hospital

Jamieson Bourque, MD, FACC
University of Virginia

Kavitha Chinnaiyan, MD, FACC
William Beaumont Hospital

Vanessa Ferreira, MD, DPhil
University of Oxford

Leslee Shaw, PhD, FACC
Mount Sinai

David Wiener, MD, FACC
Jefferson Medical College