

Recent Advances in Clinical Nuclear Cardiology and Cardiac CT: State-of-the-Art Updates and 101 Evidence-Based Case Reviews

AGENDA

Wednesday, May 9

4:00 p.m. –
6:00 p.m. Registration

Thursday, May 10

7:15 a.m. Registration and Continental Breakfast

7:45 a.m. Course Overview and Objectives
Dr. Berman

Session #1: Advances in SPECT and PET
Moderator: Dr. Berman

8:00 a.m. The Nuclear Cardiology Consultation: Beyond Standard Interpretation and Reporting
Dr. Berman

8:25 a.m. Quantitative Analysis of Myocardial Perfusion and Function Using SPECT and PET
Dr. Germano

8:45 a.m. Integrating Visual and Quantitative Analyses: Improving Your Scan Interpretation Case Illustrations
Dr. Hayes

9:30 a.m. Laboratory Accreditation in Nuclear Cardiology: New Technical and Regulatory Requirements
Dr. Germano

9:50 a.m. Panel Discussion
Faculty: Drs. Germano and Hayes
Moderator: Dr. Berman

10:05 a.m. Break

SESSION #2: Cameras, Software, Protocols
Moderator: Dr. Berman

10:20 a.m. New SPECT Cameras and Approaches to Reconstruction Protocols for Myocardial Perfusion SPECT
Dr. Slomka

10:40 a.m. Pharmacologic Stress: Combined with Exercise or Alone - What You Need to Know
Dr. Hayes

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11:10 a.m. **Latest Software Developments in SPECT and PET:
Comparison of the Various Software Packages**
Dr. Slomka

11:30 a.m. **Artifacts on SPECT and PET MPI: How to Recognize and Deal with Them**
Dr. Hayes

12:15 p.m. **Panel Discussion**
Faculty: Drs. Hayes and Slomka
Moderator: Dr. Berman

12:30 p.m. **Lunch**

SESSION #3: Optimizing the Use of Nuclear Cardiology

Moderator: Dr. Berman

1:20 p.m. **The Changing Nature of CAD in the 21st Century:
How Is It Affecting Cardiac Imaging Paradigms?**
Dr. Rozanski

1:50 p.m. **When to Add CAC Scanning to SPECT/PET MPI**
Dr. Berman

2:10 p.m. **The Normal Stress-MPI Scan: How Can It Change Management?**
Dr. Rozanski

2:30 p.m. **Challenges for SPECT and PET in 2018: Reducing Radiation and Increasing
Efficiency in SPECT and PET**
Dr. Bateman

2:50 p.m. **F-18 Flurpiridaz: The Ideal MPI Radiopharmaceutical**
Dr. Maddahi

3:10 p.m. **Break**

3:25 p.m. **Myocardial Viability: Assessment with SPECT, PET and MRI**
Dr. Maddahi

3:45 p.m. **Myocardial Viability: Classic Cases**
Dr. Maddahi

4:15 p.m. **Panel Discussion**
Faculty: Drs. Bateman, Maddahi and Rozanski
Moderator: Dr. Berman

4:30 p.m. **Expert Interpretation of Challenging Cases: SPECT and PET**
Panelists: Drs. Bateman, Berman, Maddahi and Rozanski
Presenter: Dr. Hayes

5:30 p.m. **Adjournment**

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Friday, May 11

7:30 a.m. **Continental Breakfast and Exhibits**

Session #4: New Applications of Nuclear Cardiology

Moderator: Dr. Berman

8:00 a.m. **Myocardial Blood Flow and Myocardial Flow Reserve with PET and SPECT:
How to Perform, Interpret and Report**
Dr. Bateman

8:20 a.m. **Assessment of Microvascular Dysfunction in Patients with Chest Pain and Heart
Failure**
Dr. Dorbala

8:50 a.m. **Amyloidosis: Rebirth of the Need for Tc-99m PYP Imaging**
Dr. Dorbala

9:10 a.m. **Phase Analysis of MPI and Radionuclide Ventriculography**
Dr. Soman

9:30 a.m. **Cardiac Sarcoidosis: How to Use FDG PET and Cardiac MRI**
Dr. Dorbala

9:50 a.m. **Panel Discussion**
Faculty: Drs. Bateman, Dorbala, and Soman
Moderator: Dr. Berman

10:05 a.m. **Break**

Session #5: The Big Picture in Advanced Cardiac Imaging

Moderator: Dr. Min

10:20 a.m. **Pathogenesis of Atherosclerosis: Potential Targets for Plaque Molecular Imaging**
Dr. Tawakol

10:40 a.m. **The New Regulatory Reality: MACRA, AUC, and Bundling - Effect on My Practice**
Dr. Soman

11:00 a.m. **ISCHEMIA Trial: Implications for the Future of Cardiac Imaging**
Dr. Shaw

11:20 a.m. **Cardiac Imaging In 2018 as Viewed from a Health Care System Perspective**
Dr. Ziffer

11:50 a.m. **Clinical Trials and Registries: What Evidence Do We Have and What Do We Need?**
Dr. Shaw

12:20 p.m. **Panel Discussion**
Faculty: Drs. Shaw, Soman, Tawakol and Ziffer
Moderator: Dr. Berman

12:35 p.m. **Lunch**

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Session #6: Updates in Cardiovascular Magnetic Resonance

Moderator: Dr. Berman

1:20 p.m. CMR for Myocardial Perfusion, Fibrosis, Edema and Infarction
Dr. Arai

1:40 p.m. When Is CMR the Test of Choice? A Case-based Approach
Dr. Arai

2:10 p.m. Panel Discussion
Faculty: Drs. Arai and Maddahi

Session #7: Coronary CTA: New Developments

Moderator: Dr. Min

2:25 p.m. Coronary CTA: Interpretation and Reporting of Coronary CTA
Dr. TBD

2:45 p.m. Coronary CTA: Instrumentation, Acquisition Protocols and Reducing Radiation
Dr. TBD

3:05 p.m. FFRct and CT Perfusion: Physiologic Assessment of Coronary Disease
TBD

3:25 p.m. Break

3:40 p.m. BATTLE OF THE EXPERTS
CT Face-off on Challenging Unknown Cases
Panelists: Drs. Min and TBD vs. Drs. Callister and TBD
Presenter: Dr. Villines

4:45 p.m. Panel Discussion
Faculty: Drs. TBD and Villines
Moderator: Dr. Min

5:00 p.m. Adjournment

Saturday, May 12

7:30 a.m. Continental Breakfast and Exhibits

Session #8: Cardiac CT and Its Relationship to Nuclear Cardiology and CMR

Moderator: Dr. Min

8:00 a.m. Pitfalls in Coronary CTA: How to Reduce and Deal with Artifacts
Dr. Villines

8:20 a.m. Coronary CTA and SPECT Imaging in Patients with Chest Pain in the ED
Drs. Berman

8:40 a.m. How Coronary CTA Is Changing Routine Clinical Practice
Dr. Callister

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9:00 a.m. **Don't Miss It: Non-cardiac Findings on Cardiac CT Studies**
Dr. TBD

9:20 a.m. **Coronary Plaque Assessment and the Prediction of Future Myocardial Infarction**
Dr. Min

9:40 a.m. **Panel Discussion**
Faculty: Drs. Callister, Villines, and Ziffer
Moderator: Dr. Min

9:55 a.m. **Break**

Session #9: Beyond the Coronaries: Cardiac and Valvular Applications
Moderator: Dr. Min

10:10 a.m. **Coronary Plaque, Stenosis and Ischemia: What Is Really Important?**
Dr. Callister

10:30 a.m. **Role of Cardiovascular CT in Transcatheter Aortic Valve Replacement (TAVR)**
Dr. TBD

10:50 a.m. **Coronary CTA Applications in Non-coronary Heart Disease**
Dr. TBD

Session #10: Multimodality Imaging: Putting it All Together
Moderator: Dr. Min

11:10 a.m. **Top Ten Imaging Papers of the Year**
Dr. Min

11:30 a.m. **Multimodality Cardiac Imaging: Its Use in the Era of Value-based Imaging**
Dr. Berman

12:00 p.m. **Game-Show Jeopardy: Nuclear and CT**
Presenter: Dr. Min
Attendee participation. Prize awarded to winner

12:30 p.m. **Course Adjournment**