

**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 21<sup>st</sup> 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**