

AGENDA

Wednesday, May 4

4:00 p.m. –

6:00 p.m. **Registration**

Thursday, May 5

6:30 a.m. **Registration and Continental Breakfast**

Myocardial Perfusion/Function SPECT and PET

Dr. Berman, Presiding

7:45 a.m. **Course Overview and Objectives**

Dr. Berman

8:00 a.m. **SPECT/PET-MPI: Physiologic Basis and Acquisition Protocols**

Dr. Maddahi

8:30 a.m. **Technical and Regulatory Issues in Nuclear Cardiology**

Dr. Germano

8:55 a.m. **What Is New in Pharmacologic Stress for Cardiac Imaging? What You Need to Know (4 cases)**

Dr. Hayes

9:35 a.m. **The Nuclear Cardiology Consultation: Interpretation and Reporting of SPECT/PET-MPI (2 cases)**

Dr. Berman

9:55 a.m. **Panel Discussion**

Faculty: Drs. Germano, Hayes and Maddahi

Moderator: Dr. Berman

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

10:25 a.m. **Quantitative Analysis of Myocardial Perfusion and Function Using SPECT and PET**

Dr. Germano

10:55 a.m. **Latest Software Developments in SPECT and PET: How They Can Affect Your Clinical Reading**

Dr. Slomka

11:25 a.m. **Integrating Visual and Quantitative Analyses:**

How the Combination Improves My Scan Interpretation – Case Illustrations
(8 cases)
Dr. Hayes

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

12:30 p.m. Lunch

1:10 p.m. Artifacts on SPECT and PET MPI: How to Recognize and Deal with Them (8 cases)
Dr. Hayes

1:40 p.m. New SPECT Cameras and Approaches to Reconstruction Protocols for Myocardial Perfusion SPECT
Dr. Slomka

2:10 p.m. Flurpiridaz F 18: Likely Impact on Practice? (6 cases)
Dr. Maddahi

2:40 p.m. Clinical Role of Phase Analysis and Radionuclide Ventriculography (4 cases)
Dr. Soman

3:10 p.m. Panel Discussion
Faculty: Drs. Hayes, Maddahi, Slomka and Soman
Moderator: Dr. Berman

3:25 p.m. Break

3:40 p.m. Multimodality Appropriate Use Criteria and the Affordable Care Act: How Will They Change Practice?
Dr. Soman

**4:10 p.m. Battle of the Experts:
SPECT and PET Face-off on Challenging Unknown Cases** (8 cases)
Panelists: Drs. Berman and Soman vs. Dr. Maddahi
Presenter: Dr. Hayes

5:40 p.m. Adjournment

Friday, May 6

7:30 a.m. Continental Breakfast

**Multimodality Imaging for Risk Stratification and Patient Management:
Nuclear Cardiology, Cardiac CT, Cardiac Magnetic Resonance (CMR) and Echo
Dr. Berman, Presiding**

8:00 a.m. Effects on Outcomes of Noninvasive Imaging Strategies in Patients with Chest Pain: What Have We Learned from Trials and Registries?
Dr. Shaw

8:30 a.m. Effects on Outcomes of Noninvasive Imaging Strategies in Patients with Ischemic Cardiomyopathy: What Have We Learned from Trials and Registries?
Dr. Maddahi

9:00 a.m. Changing Paradigms in the Use of Cardiac Stress Testing and Imaging
Dr. Rozanski

9:45 a.m. Panel Discussion
Faculty: Drs. Maddahi, Rozanski and Shaw
Moderator: Dr. Berman

10:00 a.m. Break

**New Developments in PET and SPECT
Dr. Germano, Presiding**

10:15 a.m. New Opportunities for SPECT and PET in 2016: Reducing Radiation and Costs (4 cases)
Dr. Bateman

10:45 a.m. Coronary Artery Calcium Scanning: Imaging for Prevention and Adding to PET and SPECT (2 cases)
Dr. Rozanski

11:15 a.m. Myocardial Flow Reserve: Practical Clinical Applications (4 cases)
Dr. Bateman

11:45 a.m. Panel Discussion
Faculty: Drs. Bateman and Rozanski
Moderator: Dr. Germano

12:00 p.m. Lunch Presentation
MACRA
Dr. Harold

**Comparative Roles of Nuclear Cardiology, Cardiac CT and Cardiac MRI
Dr. Berman, Presiding**

- 1:00 p.m.** **A Systematic Approach to Interpretation Reporting of Coronary CTA**
(4 cases)
Dr. Weigold
- 1:30 p.m.** **Fundamentals of Coronary CTA:**
Acquisition Protocols and Reducing Radiation (2 cases)
Dr. Leipsic
- 2:00 p.m.** **How to Deal with Artifacts on CT: A Practical Guide** (8 cases)
Dr. Weigold
- 2:30 p.m.** **Toward the Perfect CT Scanner:**
Instrumentation, Acquisition, Processing, Display and Quantitation
Dr. Leipsic
- 3:00 p.m.** **Panel Discussion**
Faculty: Drs. Leipsic and Weigold
Moderator: Dr. Berman
- 3:15 p.m.** **Break**
- 3:30 p.m.** **Multimodality Imaging of Myocardial Viability:**
SPECT, PET, CMR and Echo – Classic Cases (6 cases)
Dr. Maddahi
- 4:00 p.m.** **Sarcoidosis, Amyloidosis: New Opportunities for Nuclear Cardiology** (5 cases)
Dr. Soman
- 4:30 p.m.** **Pathogenesis of Atherosclerosis: Potential Targets for Plaque Molecular Imaging** (4 cases)
Dr. Tawakol
- 5:00 p.m.** **Imaging Cardiac Innervation: Role in Assessing the Patient with Heart Failure**
Dr. Soman (4 cases)
- 5:30 p.m.** **Application of Cardiac Magnetic Resonance in Clinical Practice:**
Advantages and Disadvantages Compared to Nuclear Cardiology and Cardiac CT (4 cases)
Dr. Arai
- 6:00 p.m.** **Panel Discussion**
Faculty: Drs. Arai, Maddahi, Soman and Tawakol
Moderator: Dr. Berman
- 6:15 p.m.** **Adjournment**

Saturday, May 7

7:30 a.m. Continental Breakfast

Cardiac CT and Its Relationship to Nuclear Cardiology

Dr. Min, Presiding

8:00 a.m. Coronary CTA or SPECT-MPI in Patients with Chest Pain in the ED: Improving Care While Reducing Costs (6 cases)

Dr. Ziffer

**8:30 a.m. What's Really Important?
It's the Plaque — Not Just the Stenosis (4 cases)**

Dr. Callister

9:00 a.m. Non-cardiac Findings on CT during Coronary Calcium and Attenuation Correction Scanning: Don't Miss It (6 cases)

Dr. Ziffer

9:30 a.m. Physiologic Assessment of Coronary Disease by FFRCT and Myocardial Perfusion (4 cases)

Dr. Min

10:00 a.m. Panel Discussion

Faculty: Drs. Callister and Ziffer

Moderator: Dr. Min

10:15 a.m. Break

10:30 a.m. How I Use CT in My Clinical Practice: A Case-based Approach (4 cases)

Dr. Callister

11:00 a.m. Top Ten Cardiac Imaging Papers of the Year

Dr. Min

11:30 a.m. Multimodality Cardiac Imaging: How Can It Provide Value?

Dr. Berman

12:00 p.m. Game Show Jeopardy: Nuclear and CT – You Don't Want to Miss It!

Attendee participation. Prize awarded to winner

Presenter: Dr. Min

12:30 p.m. Course Adjournment