Advances in Nuclear Cardiology, Cardiac CT and Cardiac MRI: 33rd Annual Case Review with the Experts

FRIDAY, JANUARY 19, 2018 – SUNDAY, JANUARY 21, 2018

For the latest course information and to register, visit cedars-sinai.edu/nuclearcardiolycme

COURSE DIRECTORS
Daniel S. Berman, MD, FACC, FSCCT
Guido Germano, PhD, MBA, FACC
James K. Min, MD, FSCCT
Alan Rozanski, MD

CONFERENCE LOCATION
Cedars-Sinai Medical Center
Harvey Morse Conference Center
8701 Gracie Allen Dr.
Los Angeles, California 90048

“Case Review with the Experts” offers attendees practical experience in case interpretation, reporting and medical decision-making from leading clinicians and scientists in cardiac imaging.

For the latest course information and to register, visit cedars-sinai.edu/nuclearcardiolycme

Offered in cooperation with the American Society of Nuclear Cardiology, the California Chapter of the American College of Cardiology, the International Academy of Cardiology and the Society of Cardiovascular Computed Tomography.
The landscape of cardiac imaging is changing. A major national healthcare imperative for noninvasive imaging is that the tests that are used provide value. Nuclear cardiology, cardiac CT and cardiac MRI studies provide powerful tools for diagnosis, risk assessment, and guiding management of selected patients with known or suspected cardiac disease. In the current environment, imaging must address the combined considerations of improving outcomes and containing costs. To this end, advanced cardiac imaging studies must be ordered on the right patients and optimally performed, interpreted, reported, and acted upon by physicians and allied health professionals. Additionally, effective methods to reduce radiation exposure need to be implemented to maximize patient safety. There is a clear need of physicians performing, interpreting and those who order the tests to understand the issues regarding value-based imaging and to optimally implement this understanding.

We meet these educational needs through a live three-day symposium entitled: Advances in Nuclear Cardiology, Cardiac CT and Cardiac MRI: 33rd Annual Case Review with the Experts. The course is designed to meet the current needs of professionals who perform or request nuclear cardiology, cardiac CT or cardiac MRI studies. The course covers the use of these modalities across the spectrum of patients routinely seen by cardiologists in typical day-to-day practice. The faculty is uniquely comprised of 25 of the most widely recognized speakers in nuclear cardiology, cardiac CT, and cardiac MRI in the world.

**TARGET AUDIENCE**
This educational activity is intended for cardiologists, radiologists, nuclear medical specialists, cardiac imaging technologists and nurse practitioners in the field.

**ACCREDITATION STATEMENT**
Cedars-Sinai Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**CREDIT DESIGNATION STATEMENT**
Cedars-Sinai Medical Center designates this live activity for a maximum of 26 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**CE CREDIT FOR TECHNOLOGISTS**
The American Society of Nuclear Cardiology is a recognized provider of continuing education credit for technologists. ASNC’s Continuing Education (CE) credit is accepted by the NMTCB and ARRT. Approved by the American Society of Nuclear Cardiology for a maximum of 22 ARRT Category A credits for technologists.

**MENTORED CT CASE REVIEW DOCUMENTATION**
In addition to obtaining CME credits, physician attendees will be offered documentation reflecting their participation in mentored cases completed during the workshops. This documentation can be given to the appropriate credentialing organization to indicate credit for case completion.

**NURSES**
The California State Board of Registered Nursing accepts courses approved by the ACCME for Category 1 credit as meeting the continuing education requirements for license renewal.

**POLICY ON DISCLOSURE**
It is the policy of Cedars-Sinai Medical Center to ensure balance, independence, objectivity and scientific rigor in all its educational activities. Cedars-Sinai Medical Center assesses conflicts of interest with its faculty, planners and managers of CME activities. Conflicts of interest that are identified are resolved by reviewing that presenter’s content for fair balance and absence of bias, scientific objectivity of studies utilized in this activity, and patient care recommendations.

While Cedars-Sinai Medical Center endeavors to review faculty content, it remains the obligation of each physician or other healthcare practitioner to determine the applicability or relevance of the information provided from this course in his or her own practice.

**ACKNOWLEDGMENT OF COMMERCIAL SUPPORT**
Commercial support for this conference is pending and will be acknowledged at the conference.

**HOTEL ACCOMMODATIONS**
Sofitel Los Angeles at Beverly Hills
8555 Beverly Blvd.
Los Angeles, CA 90048
800-521-7772

CSMC has arranged for a block of rooms at the Sofitel Los Angeles at Beverly Hills. Please note at this time that the hotel only has a limited number of Superior King rooms at a special conference rate of $279 per night, plus tax. Rooms at our special rate are available until January 12, 2018.

Reservations will be accepted on a space- and rate-availability basis, and the special group rate is not guaranteed. To make reservations for the Sofitel Los Angeles, call 800-521-7772 as soon as possible.

There are instances where the room block sells out prior to the cut-off date. Reservations are taken on a first-come, first-served basis. Be sure to state that you are attending the Cedars-Sinai Clinical Nuclear Cardiology Conference in order to receive the special group rate.
FRIDAY, JANUARY 19, 2018

7:15 A.M. Registration, Breakfast & Exhibits

7:45 Welcome, Introduction, and Course Objectives  
Daniel S. Berman, MD

SPECT AND PET MYOCARDIAL PERFUSION IMAGING (MPI)  
Daniel S. Berman, MD, presiding

SESSION #1: ADVANCES IN NUCLEAR CARDIOLOGY (I)

8:00 Quantitative Analysis of Myocardial Perfusion and Function using SPECT and PET  
Guido Germano, PhD, MBA

8:20 The Nuclear Cardiology Consultation: Pearls and Impact on Outcomes  
Daniel S. Berman, MD

8:45 Integrating Visual and Quantitative Analyses: Improving Your Scan Interpretation – Case Illustrations  
Sean W. Hayes, MD

9:30 Laboratory Accreditation in Nuclear Cardiology: New Technical and Regulatory Requirements  
Guido Germano, PhD, MBA

9:50 Panel Discussion  
Faculty: Drs. Germano and Hayes  
Moderator: Daniel S. Berman, MD

10:05 Break/Exhibits/Break-out Session #1  
Sean Hayes, MD

SESSION #2: EVOLVING CONCEPTS IN RISK MANAGEMENT

10:20 The Changing Nature of CAD in the 21st Century: How Is It Affecting Cardiac Imaging Paradigms?  
Alan Rozanski, MD

10:50 The Exercise Component of Stress MPI: Tips and Tricks to Learn More  
Gregory Thomas, MD

11:10 Pharmacologic Stress: Combined with Exercise or Alone: What You Need to Know  
Sean W. Hayes, MD

11:40 The Normal Stress-MPI Scan: How Can It Change Management?  
Alan Rozanski, MD

12:00 P.M. Adding CAC Scanning to Stress Testing  
Alan Rozanski, MD

12:20 Panel Discussion  
Faculty: Drs. Rozanski, Thomas, and Hayes  
Moderator: Daniel S. Berman, MD

12:35 Lunch and Exhibits

1:05 Break-out Session #2  
Alan Rozanski, MD

SESSION #3: ADVANCES IN NUCLEAR CARDIOLOGY (II)

1:20 New SPECT Cameras and Approaches to Reconstruction Protocols for Myocardial Perfusion SPECT  
Piotr Slomka, PhD

1:40 F-18 Flurpiridaz: The Ideal MPI Radiopharmaceutical  
Jamshid Maddahi, MD

2:10 Latest Software Developments in SPECT and PET: Comparison of the Various Software Packages  
Piotr Slomka, PhD

2:30 Artifacts on SPECT and PET MPI: How to Recognize and Deal with Them  
Sean W. Hayes, MD

3:10 Panel Discussion  
Faculty: Drs. Slomka, Maddahi, Hayes  
Moderator: Daniel S. Berman, MD

3:25 Break/Exhibits/Break-out Session #3  
Jamshid Maddahi, MD

3:40 Ischemia with No Obstructive CAD (INOCA): Fact or Fiction  
C. Noeltaire-Merz, MD

4:10 Cardio-oncology: Broadening Clinical Application of Multimodality Imaging  
Balaji Tamarappoo, MD

4:30 READ WITH THE EXPERTS: SPECT and PET: Challenging Unknown Cases from Clinical Practice  
Panelists: Drs. Berman and Hayes, vs. Drs. Maddahi and Di Carli  
Presenter: John D. Friedman, MD

5:30 Panel Discussion  
Faculty: Drs. Hayes, Maddahi, DiCarli, Friedman, Slomka and Tamarappoo  
Moderator: Daniel S. Berman, MD

6:00 P.M. Adjourn

SATURDAY, JANUARY 20, 2018

7:30 A.M. Breakfast and Exhibits

CLINICAL APPLICATIONS OF NUCLEAR CARDIOLOGY  
Daniel S. Berman, MD, Presiding

8:00 Nuclear Cardiology in Heart Failure: FDG and MIBG: Concepts and Clinical Need  
Marcelo F. Di Carli, MD

8:20 Myocardial Viability: Multimodality Assessment with SPECT, PET, and MRI  
Jamshid Maddahi, MD

8:50 Amyloidosis: Rebirth of the Need for Tc-99m PYP Imaging, and Neuronal Imaging  
Marcello F. Di Carli, MD

9:10 Coronary Flow Reserve with PET and SPECT: New Opportunities for Added Information beyond FFR  
Timothy Bateman, MD

9:30 KEYNOTE ADDRESS: The Big Picture in Cardiac Imaging: Where Does the Evidence Stand?  
Leslee J. Shaw, PhD

10:15 PANEL DISCUSSION  
Faculty: Drs. DiCarli, Maddahi, Bateman and Shaw  
Moderator: Daniel S. Berman, MD

10:30 Break/Exhibits/Break-out Session #4  
Marcelo DiCarli, MD

NEW AND FUTURE DEVELOPMENTS IN PET AND SPECT  
Guido Germano, PhD, MBA, Presiding

10:45 Challenges for SPECT and PET in 2018: Increasing Efficiency, Reducing Radiation, and Reducing Costs  
Timothy Bateman, MD

11:05 Cardiac Sarcoidosis: How to Use FDG PET and Cardiac MRI  
Marcello F. Di Carli, MD

11:25 SPECT and PET: Best Cases  
John D. Friedman, MD
Pathogenesis of Atherosclerosis: Potential Targets for Plaque Molecular Imaging

Prediman K. Shah, MD

11:45

F-18 PET Imaging of the Coronary Arteries and the Aortic Valve: Potential Role in Patient Management

Marc Dweck, MD, PhD

12:05 P.M.

PANEL DISCUSSION

**Faculty:** Drs. Bateman, DiCarli, Friedman, Shah and Dweck

**Moderator:** Guido Germano, PhD

12:25

Lunch and Exhibits

12:45

Optional CSMC Cardiac Imaging Laboratories Site Visit (No CME/CE credit)

Mina Sadeghi

NUCLEAR CARDIOLOGY AND CARDIAC CT

Daniel S. Berman, MD, Presiding

1:30

Radiation Dose Reduction in SPECT, PET and Cardiac CT

Damini Dey, PhD

1:45

Physiologic Assessment of Coronary Disease by CT: FFRct and CT Perfusion

Jonathon Leipsic, MD

2:00

Coronary CTA and SPECT Imaging in Patients with Chest Pain in the ED

Jack Ziffer, PhD, MD

2:15

Don’t Miss It: Non-Cardiac Findings on CT during Coronary Calcium and Attenuation Correction Scanning

Jonathon Leipsic, MD

3:00

PANEL DISCUSSION

**Faculty:** Drs. Dey, Van Kriekinge, Leipsic and Ziffer

**Moderator:** Guido Germano, PhD, MBA

3:15

Break/Exhibits/Break-out Session #4

Jack Ziffer, PhD, MD

CARDIAC MRI, PRACTICE TRENDS AND BEST ARTICLES OF 2017

Jack Ziffer, PhD, MD, Presiding

3:30

Practice Trends: Cardiac Imaging In 2018 As Viewed from a Health Care System Perspective

Gregory Thomas, MD

4:00

The New Regulatory Reality: MACRA, AUC, and Bundling: Effect on My Practice

Rohan Dharmakumar, PhD

4:20

Coronary Plaque Assessment and the Prediction of Future Myocardial Infarction

James K. Min, MD

4:30

PANEL DISCUSSION

**Faculty:** Drs. Achenbach, Lesser and Callister

**Moderator:** James K. Min, MD

4:45

Break/Exhibits/Break-out Session #5

Stephan Achenbach, MD

10:05

Coronary Plaque, Stenosis, and Ischemia: What is Really Important?

Tracy Callister, MD

10:20

BATTLE OF THE EXPERTS:

CT Face-off on Challenging Unknown Cases

**Panelists:** Drs. Lesser, Min and Thomson vs. Drs. Friedman, Callister and Leipsic

**Presenter:** Stephan Achenbach, MD

11:30

GAME-SHOW JEOPARDY: NUCLEAR AND CT

**Presenter:** James K. Min, MD

Attendee participation. Prize awarded to winner

12:00 P.M.

Ischemia Trial: Implications for the Future of Cardiac Imaging

Leslee Shaw, PhD

12:20

Coronary Calcium Scanning and Cardiac Prevention: A Case-Based Approach

Matthew Budoff, MD

1:00

Role of Cardiovascular CT in Transcatheter Aortic Valve Replacement (TAVR)

Jonathon Leipsic, MD

1:40

Quantification of Coronary Plaque: New Tool for Prognosis and Monitoring Therapy

Damini Dey, PhD

2:00

Coronary CTA Applications in Non-Coronary Heart Disease

Matthew J. Budoff, MD

2:25

Cardiac CT at 20 Patients a Day: Who Are These Patients and Where Do MRI and Nuclear Cardiology Fit in?

John Lesser, MD

2:45

Multimodality Cardiac Imaging: Its Use in the Era of Value-based Imaging

Daniel S. Berman, MD

3:15

PANEL DISCUSSION

**Faculty:** Drs. Budoff, Leipsic, Dey and Lesser

**Moderator:** Daniel S. Berman, MD

3:30

Adjourn
**REGISTRATION**

**Advances in Nuclear Cardiology, Cardiac CT and Cardiac MRI: 33rd Annual Case Review with the Experts**

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**REGISTRATION METHODS**

**ONLINE** registration: go to cedarssinai.edu/nuclearcardiologymcme

**MAIL** form to: Cedars-Sinai Medical Center
Office of Continuing Medical Education
Attn: Registration
8797 Beverly Blvd., Suite 250
Los Angeles, CA 90048

**FAX** form to: 310-423-8596

For additional course or registration information call 310-423-5548.

*An email address is required to register for the conference.*

**REGISTRATION FEES**

Member rates apply to ACC/ASNC/SCCT/IAC members:

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**CONFIRMATION**

In order to receive a registration confirmation, please provide your e-mail address. If you do not receive a confirmation, please call 310-423-5548 to confirm your registration.

**REFUND POLICY**

All cancellations must be submitted in writing, and refunds will be subject to a $100 administrative charge. No refunds will be given after January 12, 2018. Please e-mail cancellation requests to cme@cshs.org. If you do not receive confirmation of your cancellation via e-mail, please call 310-423-5548.

**CANCELLATION POLICY**

Cedars-Sinai reserves the right to cancel or reschedule programs due to circumstances beyond its control, or to close registration when programs are oversubscribed. Registrants are advised against purchasing nonrefundable airline tickets until they receive registration confirmation. Cedars-Sinai is not responsible for penalties incurred as a result of cancelled transportation costs.

**MEETING MATERIALS**

All meeting materials for this conference will be sent electronically.
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Register Today!

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CEDARS-SINAI MEDICAL CENTER, LOS ANGELES, CA

This session addresses the national healthcare directive for noninvasive imaging to provide value by using resources wisely and employing technologies, including nuclear cardiology, cardiac CT and cardiac MRI studies, in an effective, targeted way that guides therapy to improve patient outcomes.

THIS UNIQUE PROGRAM INCLUDES:

- 101 case presentations reviewing common clinical and technical problems
- A focus on value-based imaging
- An emphasis on increasing efficiency and reducing radiation exposure
- The latest evidence from clinical trials and registry data
- The popular “Battle of the Experts” session with multiple faculty members

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