Advances in Nuclear Cardiology and Cardiac CT:
31st Annual Case Review with the Experts
with 101 Evidence-based Cases
FRIDAY, JANUARY 22, 2016 - SUNDAY, JANUARY 24, 2016

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

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

“Case Review with the Experts” offer 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 csmc.edu/cme and click on CME courses.

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
COURSE DESCRIPTION AND STATEMENT OF NEED
A major national healthcare imperative for noninvasive imaging is to use the tests in a manner that provides value. This directive couples two major goals, which entail use of imaging resources judiciously while ensuring the proper application of imaging to identify and guide therapy of at-risk patients to improve clinical outcomes. To this end, nuclear cardiology, cardiac CT, and Cardiac MRI studies provide powerful tools that must be optimally performed, interpreted, reported, and acted upon by physicians and ordered on the right patients. Additionally, effective methods to reduce radiation exposure need to be implemented to maximize patient safety.

The objectives of the program are designed to meet the current needs of professionals who perform or request nuclear cardiology, cardiac CT or Cardiac MRI studies. Using these studies optimally requires knowledge of best practices for the modalities, from performing to reporting the studies, the evidence base regarding their use, the relevant appropriateness of their use in specific clinical settings, and the treatment options that should be recommended based on the results. We are pleased to be able to meet these educational needs through a live three-day symposium entitled, Advances in Nuclear Cardiology and Cardiac CT: 31st Annual Case Review with the Experts with 101 Evidence-based Cases. The course emphasizes the use of these modalities across the spectrum of patients routinely seen by physicians day-to-day in a typical practice, both for the evaluation of individuals with suspected or known coronary disease as well as other non-coronary cardiac disease states.

With a stellar faculty, Advances in Nuclear Cardiology and Cardiac CT: 31st Annual Case Review with the Experts with 101 Evidence-based Cases will provide the latest information in nuclear cardiology, cardiac CT, and Cardiac MRI using images and clinical correlations on 101 cases as the principal teaching method. The course is designed to increase quality in performing, interpreting, reporting and applying nuclear cardiology and cardiac CT studies.

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 25 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 21.75 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.

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

A limited number of Superior King rooms have been reserved at a special conference rate of $259 per night, plus tax. Rooms at our special are available until January 11, 2016. 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. 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 22, 2016

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

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

MYOCARDIAL PERFUSION/FUNCTION SPECT AND PET

8:00 SPECT/PET-MPI: Physiologic Basis and Acquisition Protocols
Jamshid Maddahi, MD, FACC

8:30 Necessary Components of Quality Control and Laboratory Accreditation for Nuclear Cardiology
Guido Germano, PhD, MBA, FACC

9:00 Pharmacologic Stress: Alone or Combined with Exercise: What You Need to Know
Sean W. Hayes, MD

9:30 The Nuclear Cardiology Consultation: Interpretation and Reporting of SPECT/PET-MPI (4 cases)
Daniel S. Berman, MD, FACC

10:00 Panel Discussion
Faculty: Drs. Maddahi, Germano and Hayes
Moderator: Daniel S. Berman, MD, FACC

10:15 Break/Exhibits/Break-out Session #1
Sean W. Hayes, MD

10:30 Quantitative Analysis of Myocardial Perfusion and Function using SPECT and PET
Guido Germano, PhD, MBA, FACC

11:00 Latest Software Developments in SPECT and PET: Comparison of the Various Software Packages
Piotr Slomka, PhD, FACC

11:30 Integrating Visual and Quantitative Analyses: Improving Your Scan Interpretation – Case Illustrations (8 cases)
Sean W. Hayes, MD

12:15 P.M. Panel Discussion
Faculty: Drs. Germano, Slomka and Hayes
Moderator: Daniel S. Berman, MD, FACC

12:30 Lunch and Exhibits

1:00 CSMC Cardiac Imaging Laboratories Site Visit
(Additional: no CME/CE credit)
Amanda Swift

1:15 Changing Paradigms in the Cardiac Stress Testing and the Use of Myocardial Perfusion Imaging
Alan Rozanski, MD, FACC

1:45 Multimodality Assessment of Myocardial Viability: SPECT and PET: Classic Cases (6 cases)
Jamshid Maddahi, MD, FACC

2:15 When Does Coronary Artery Calcium Add to Stress Testing? (4 cases)
Alan Rozanski, MD, FACC

2:45 Artifacts, Artifacts, and More Artifacts: How to Accurately Read Through Them (6 cases)
Sean W. Hayes, MD

3:15 Panel Discussion
Faculty: Drs. Hayes, Maddahi and Rozanski
Moderator: Daniel S. Berman, MD, FACC

3:30 Break/Exhibits/Break-out Session #2
Alan Rozanski, MD, FACC

3:45 Flurpiridaz F18 – Is It A Game Changer? (3 cases)
Jamshid Maddahi, MD, FACC

4:05 New SPECT Cameras and Approaches to Reconstruction Protocols for Myocardial Perfusion SPECT
Piotr Slomka, PhD, FACC

4:35 Microvascular dysfunction: What causes it, how to find it, how to treat it
C. Noel Bairey-Merz, MD, FACC

4:55 BATTLE OF THE EXPERTS: Panelists: Drs. Berman and Hayes, vs. Drs. Maddahi and DiCarli
Moderator: John D. Friedman, MD, FACC

5:25 Coronary Flow Reserve with PET and SPECT: Practice Clinical Applications
Timothy Bateman, MD, FACC

6:00 P.M. Adjourn

SATURDAY, JANUARY 23, 2016

7:30 A.M. Breakfast and Exhibits

CLINICAL APPLICATIONS OF MYOCARDIAL PERFUSION IMAGING
Daniel S. Berman, MD, Presiding

8:00 Multimodality Risk Stratification and Predicting Benefit: What Have We Learned from Trials and Registries?
Leslee Shaw, PhD, FACC

8:30 Evaluation of Myocardial Viability: Is It Still Alive after STICH?
Marcelo F. Di Carli, MD, FACC

8:50 SPECT and PET: Best Cases I Ever Saw (6 cases)
John D. Friedman, MD, FACC

9:20 Multimodality Appropriate Use Criteria: Impact of Legislation on Point of Care and Point of Ordering (2 cases)
Gregory Thomas, MD, FACC

9:50 Business aspects of SPECT and PET for the Physician and the Health Care System: Challenges for SPECT and PET in 2016: Reducing Radiation and Costs (4 cases)
Timothy Bateman, MD, FACC

10:20 Panel Discussion
Faculty: Drs. Shaw, DiCarli, Friedman, Thomas and Bateman
Moderator: Daniel S. Berman, MD, FACC

10:35 Break/Exhibits/Break-out Session #3
Marcelo F. Di Carli, MD, FACC

NEW AND FUTURE DEVELOPMENTS IN PET AND SPECT
Guido Germano, PhD, presiding

10:50 Sarcoidosis, Amyloidosis, and Neuronal Imaging: New Opportunities for Nuclear Cardiology (5 cases)
Marcelo F. Di Carli, MD, FACC

11:15 Coronary Flow Reserve with PET and SPECT: Practice Clinical Applications
Timothy Bateman, MD, FACC
11:45 Pathogenesis of Atherosclerosis: Potential Targets for Plaque Molecular Imaging  Prediman K. Shah, MD
12:10 P.M. F-18 Imaging of the Coronary Arteries: Potential Role in Management of CAD  Marc Dweck, MD, PhD
12:35 Panel Discussion  Faculty: Drs. DiCarli, Bateman, Shah, and Dweck  Moderator: Guido Germano, PhD, FACC
12:50 Lunch and Exhibits
1:15 CSMC Cardiac Imaging Laboratories Site Visit  (Optional: no CME/CE credit)  Mina Sadeghi
1:30 Beyond Perfusion Imaging: Phase Analysis of MPI and Radionuclide Ventriculography  Serge Van Kriekinge, PhD
1:50 Don't Miss It: Non-cardiac Findings on CT during Coronary Calcium and Attenuation Correction Scanning  Jack Ziffer, PhD, MD, FACC
2:10 How Low Can We Go? Reducing Radiation in SPECT, PET and CT  Damini Dey, PhD
2:30 Coronary CTA and Myocardial Perfusion Imaging in Patients with Chest Pain in the ED: Improving Care While Reducing Costs  (5 cases)  Jack Ziffer, PhD, MD, FACC
3:00 Panel Discussion  Faculty: Drs. Dey, Ziffer, Van Kriekinge  Moderator: Guido Germano, PhD, FACC
3:15 Break/Exhibits/Break-out Session #4
3:30 Top Ten Imaging Papers of the Year  (4 cases)  James K. Min, MD, FACC
4:00 When is Cardiac MR and CT the Test of Choice: Case Based Approach  Louise E. J. Thomson, MBChB, FRACP
4:30 Cardiac MRI for Myocardial Characterization, Edema, and Hemorrhage  Rohan Dharmakumar, PhD
4:45 Cardiac MRI for Regional Myocardial Perfusion and Coronary Flow Reserve: Similarities with and Differences from PET  Behzad Sharif, PhD
5:00 Physiologic Assessment of Coronary Disease by CT: Stress Myocardial Perfusion and Fractional Flow Reserve by during Coronary CTA
5:30 Panel Discussion  Faculty: Drs. Thomson, Dharmakumar, Sharif, and Min  Moderator: Daniel S. Berman, MD, FACC
5:45 P.M. Adjourn
SUNDAY, JANUARY 24, 2016
7:30 A.M. Breakfast and Exhibits
CARDIAC CT AND ITS RELATIONSHIP TO NUCLEAR CARDIOLOGY  James K. Min, MD, FACC, Presiding
8:00 Fundamentals of Coronary CT Angiography: Instrumentation, Acquisition, Processing, Display  Jonathon Leipsic, MD
8:30 A Systematic Approach to Interpretation and Reporting of Coronary CTA  (4 cases)  Stephen Achenbach, MD, FACC
9:15 How I Use Cardiac CT in Clinical Practice  Tracy Callister, MD, FACC
9:45 Panel Discussion  Faculty: Drs. Callister, Achenbach and Leipsic  Moderator: James K. Min, MD, FACC
10:00 Break/Exhibits/Break-out Session #5  Stephen Achenbach, MD, FACC
10:15 What’s Really Important? Integrating Atherosclerotic Plaque into a Stenosis Paradigm  Tracy Callister, MD, FACC
11:15 Game-Show Jeopardy: Nuclear and CT – You don’t want to miss it! Attendee participation. Prize awarded to winner  Presenter: James K. Min, MD, FACC
11:45 BATTLE OF THE EXPERTS: CT Face-off on Challenging Unknown Cases  (8 cases)  Panelists: Drs. Leipsic, Min and Thomson vs. Drs. Friedman, Callister and Budoff  Moderator: Stephen Achenbach, MD, FACC
12:30 P.M. Lunch and Exhibits
1:15 How Does Coronary Calcium Scoring Fit into a Preventive Algorithm: A Case-Based Approach  (5 cases)  Matthew Budoff, MD, FACC
1:45 The Expanding Role of Cardiovascular CT in Transcatheter Aortic Valve Replacement (TAVR): A Case-Based Approach  (6 cases)  Jonathon Leipsic, MD, FRCPC
2:15 Practical Coronary CTA Applications Beyond Intermediate Likelihood of CAD: A Case-Based Approach  (6 cases)  Matthew J. Budoff, MD, FACC
2:45 Multimodality Cardiac Imaging: Its Use in the Era of Value-based Imaging  Daniel S. Berman, MD, FACC
3:30 Panel Discussion  Faculty: Drs. Budoff and Leipsic  Moderator: Daniel S. Berman, MD, FACC
3:45 Closing Remarks, Questions and Answers  Daniel S. Berman, MD, FACC, Presiding
4:00 P.M. Adjourn
REGISTRATION

Advances in Nuclear Cardiology and Cardiac CT: 31st Annual Case Review with the Experts

REGISTRATION METHODS

ONLINE registration: csmc.edu/cme and click on CME Courses

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

FAX form to: 310-423-8596

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

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

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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 8, 2016. Please e-mail cancellation request 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 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.
COURSE DIRECTORS

Daniel S. Berman, MD, FACC, FSCCT
Chief of Cardiac Imaging
and Nuclear Cardiology
Medical Director of Artificial Intelligence
in Medicine Program
Professor of Imaging
Cedars-Sinai Medical Center

Guido Germano, PhD, MBA, FACC
Scientific Director,
Artificial Intelligence in Medicine Program
Cedars-Sinai Medical Center

James Min, MD, FACC, FSCCT
Director,
Institute for Cardiovascular Imaging
Weill Cornell Medical College and the
New York Presbyterian Hospital
New York, NY

GUEST FACULTY

Stephan Achenbach, MD, FSCCT
Professor of Medicine
Department of Cardiology
University of Erlangen
Erlangen, Germany

Timothy M. Bateman, MD, FACC
Director,
Cardiovascular Radiologic Imaging
Mid America Heart Institute
Professor of Medicine
University of Missouri -
Kansas City School of Medicine
Kansas City, MO

Matthew J. Budoff, MD, FACC, FSCCT
Associate Professor of Medicine
David Geffen School of Medicine at UCLA
Program Director, Division of Cardiology
and Director, Electron Beam CT Laboratory
Harbor-UCLA Medical Center
Torrance, CA

Tracy Callister, MD, FSCCT
Director,
Tennessee Heart & Vascular Institute
Nashville, TN

Marcelo F. De Carli, MD, FACC
Chief of Nuclear Medicine at Brigham
and Women's Hospital
Assistant Professor of Radiology
and Medicine at Harvard Medical School
Boston, MA

Marc Dweck, MD, PhD, FACC
British Heart Foundation Senior Lecturer
University of Edinburgh & Mount Sinai Hospital
New York, NY

Jonathon Leipsic, MD, FSCCT
Vice-Chair, Research Head
Department of Radiology
Providence Health Care
St. Paul's Hospital
Vancouver, British Columbia

Jamshid Maddahi, MD, FACC
Professor of Molecular and
Medical Pharmacology (Nuclear Medicine),
and Medicine (Cardiology)
Director, Biomedical Imaging Institute
David Geffen School of Medicine at UCLA
Los Angeles, CA

Alan Rozanski, MD
Professor of Medicine, Cardiology
Mount Sinai Hospital
Director of Wellness
and Prevention Programs
for Mount Sinai Heart
Attending Cardiologist
Division of Cardiology
Mount Sinai St. Luke's
and Mount Sinai Roosevelt
New York, NY

Leslee Shaw, PhD, FSCCT
Professor of Medicine
Emory Program in Cardiovascular
Outcomes Research and Epidemiology
Emory University School of Medicine
Atlanta, GA
Gregory Thomas, MD, FACC
Clinical Associate Professor of Medicine
Director of Nuclear Cardiology
Training at UC Irvine
Director, Mission Internal Med. Grp.
Co-Director, Lipid Clinic
Irvine, CA

Jack Ziffer, MD, PhD, FACC, FSCCT
Chairman of Radiology
Baptist Hospital of Miami
Director of Cardiac Imaging
Baptist Cardiac and Vascular Institute
Miami, FL

CEDARS-SINAI COURSE FACULTY

C. Noel Bairey Merz, MD, FACC
Women's Guild Endowed Chair in Women's Health
Director, Women's Heart Center
Director, Preventive and Rehabilitative Cardiac Center,
Professor of Medicine
Cedars-Sinai Heart Institute

Damini Dey, PhD, FSCCT
Technical Co-Director, PET/MR Services,
Biomedical Imaging Research Institute
Cedars-Sinai Medical Center

Rohan Dharmakumar, PhD
Associate Professor, Biomedical Sciences Director,
Translational Cardiac Imaging Research
Biomedical Imaging Research Institute
Cedars-Sinai Heart Institute

John D. Friedman, MD, FACC, FSCCT
Associate Director, Cardiac Imaging
S. Mark Taper Foundation Imaging Center
Cedars-Sinai Medical Center

Sean W. Hayes, MD
Staff Physician in Nuclear Cardiology
S. Mark Taper Foundation Imaging Center
Cedars-Sinai Medical Center

Prediman K. Shah, MD, FSCCT
Shapell and Webb Family
Chair in Clinical Cardiology
Professor of Medicine and Cardiology
Director, Oppenheimer Atherosclerosis Research Center
Director, Atherosclerosis Prevention and Treatment Center
Cedars-Sinai Medical Center

Bezhad Sharif, PhD
Biomedical Imaging Research Institute
Cedars-Sinai Medical Center

Piotr Slomka, PhD
Research Scientist,
Artificial Intelligence Program
Cedars-Sinai Medical Center

Louise Thomson, MBChB, FRACP
Director of Cardiac MRI
Program Director,
Cardiovascular Imaging Fellowship
Nuclear Medicine Physician and Cardiac Imaging
S. Mark Taper Foundation Imaging Center
Cedars-Sinai Medical Center

Serge D. Van Kriekinge, PhD
Research Scientist,
Artificial Intelligence in Medicine Program
Cedars-Sinai Medical Center
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CEDARS-SINAI MEDICAL CENTER, LOS ANGELES, CA

UNIQUE PROGRAM FEATURES
FOR BOTH NUCLEAR CARDIOLOGY AND CARDIAC CT:

• 101 cases focusing on technical and clinical problems commonly encountered in practice

• Latest instrumentation/protocols to improve accuracy and reduce radiation

• How to use imaging procedures to improve patient outcomes and/or reduce costs

• Evidence supporting value-based imaging

• “Battle of the Experts” case presentation sessions in nuclear cardiology and cardiac CT

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