



ADVANCES IN NUCLEAR CARDIOLOGY AND CARDIAC CT:

24th ANNUAL
CASE REVIEW
WITH THE EXPERTS

FRIDAY - SUNDAY
JANUARY 29 – 31, 2010



CEDARS-SINAI MEDICAL CENTER
HARVEY MORSE CONFERENCE CENTER
PLAZA LEVEL, SOUTH TOWER
8701 GRACIE ALLEN DRIVE
LOS ANGELES, CALIFORNIA

FACULTY

COURSE DIRECTORS

DANIEL S. BERMAN, MD, FACC

Professor, Department of Imaging
Cedars-Sinai Medical Center
Director, Nuclear Cardiology
and Cardiac Imaging
Cedars-Sinai Heart Institute
Los Angeles, CA

GUIDO GERMANO, PhD, MBA, FACC

Scientific Director, Artificial Intelligence in
Medicine Program (AIM)
Cedars-Sinai Medical Center
Los Angeles, CA

RORY HACHAMOVITCH, MD, MSc, FACC

Private Practice
Los Angeles, CA

Cedars-Sinai Medical Center Faculty

C. NOEL BAIREY-MERZ, MD, FACC

Professor of Medicine
Department of Cardiology
Director Women's Heart Center
Director Preventive Cardiac Center
Cedars-Sinai Heart Institute
Women's Guild Endowed Chair in Women's
Health
Cedars-Sinai Medical Center
Los Angeles, CA

VICTOR YI-CHEN CHENG, MD

Attending Physician
Cedars-Sinai Heart Institute
Los Angeles, CA

JOHN D. FRIEDMAN, MD, FACC

Chief, Outpatient Cardiac Imaging
S. Mark Taper Foundation Imaging Center
Cedars-Sinai Heart Institute
Los Angeles, CA

SEAN W. HAYES, MD

Staff Physician in Nuclear Cardiology
Cedars-Sinai Heart Institute
Los Angeles, CA

PIOTR SLOMKA, PhD, FACC

Research Scientist
Artificial Intelligence in Medicine
Cedars-Sinai Medical Center
Los Angeles, CA

LOUISE THOMSON, MBChB, FRACP

Staff Physician in Nuclear Cardiology
S. Mark Taper Foundation Imaging Center
Cedars-Sinai Medical Center
Los Angeles, CA

Guest Faculty

STEPHAN ACHENBACH, MD, FACC

Professor of Medicine
Department of Cardiology
University of Erlangen
Erlangen, Germany

TIMOTHY M. BATEMAN, MD, FACC

Professor of Medicine
University of Missouri-Kansas City
School of Medicine
Co-Director Cardiovascular
Radiologic Imaging
Mid America Heart Institute
Kansas City, MO

ROBERT O. BONOW, MD, FACC

Chief, Division of Cardiology
Northwestern University
Feinberg School of Medicine
Chicago, IL

MATTHEW BUDOFF, MD, FACC

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

TONY DEFRANCE, MD

Associate Clinical Professor
Stanford University
Palo Alto, CA

ROBERT C. HENDEL, MD, FACC

Professor of Medicine
Rush University Medical Center
Chicago, IL
Nuclear Cardiology and
Cardiovascular Disease
Midwest Heart Specialists
Fox River Grove, IL

RONALD P. KARLSBERG, MD

Clinical Professor of Medicine
David Geffen School of Medicine at UCLA
Director, Cardiovascular Research Institute
Cardiovascular Medical Group
of Southern California
Los Angeles, CA

JAMSHID MADDAHI, MD, FACC

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

JAMES K. MIN, MD

Assistant Professor of Medicine
and Radiology
Weill Cornell Medical College
and the New York Presbyterian Hospital
New York, NY

LESLIE J. SHAW, PhD, FACC

Professor of Medicine
Emory Program in Cardiovascular
Outcomes Research and Epidemiology
Emory University School of Medicine
Atlanta, GA

WM. GUY WEIGOLD, MD

Director of Cardiac CT
Washington Hospital Center
Division of Cardiovascular Disease
Washington, DC

JACK A. ZIFFER, MD, PhD, FACC

Medical Director, Imaging Services
Baptist Hospital of Miami
Miami, FL

CONFERENCE LOCATION

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Cedars-Sinai Medical Center Harvey Morse Auditorium

8701 Gracie Allen Drive
Los Angeles, CA 90048
(310) 423-5548

The Harvey Morse Auditorium
is located on the Plaza Level,
South Tower of the Medical Center.

DIRECTIONS

From the Santa Monica Freeway (I-10): Exit La Cienega Boulevard (North). Proceed to Beverly Boulevard. Turn left on Beverly Boulevard to San Vicente Boulevard. Turn left on San Vicente to Gracie Allen Drive and turn right.

From the San Diego Freeway (I-405): Exit Wilshire Boulevard (Westwood). Proceed to Robertson Boulevard. Turn left on Robertson Boulevard to Alden Drive. Turn right on Alden Drive. Alden Drive becomes Gracie Allen Drive at George Burns Drive.

From the Hollywood Freeway heading South (US 101): Exit Highland Avenue and proceed south to Beverly Boulevard. Turn right onto Beverly Boulevard. Turn left onto San Vicente Boulevard. Turn right onto Gracie Allen Drive.

PARKING

Complimentary self-parking is available in the following CSMC parking lots only:

P1 and P2 - George Burns Road, between Beverly Boulevard and Alden Drive. P4 on Sherbourne Drive, between Third Street and Gracie Allen Drive.

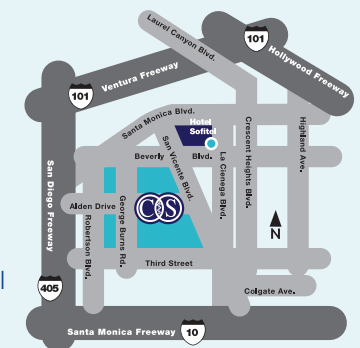
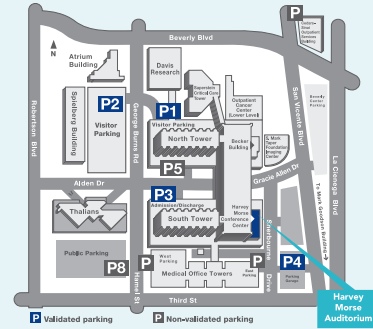
Bring your parking ticket with you to the conference. We will provide daily validation at the registration desk. Please note we cannot validate tickets for vehicles parked in the Cedars-Sinai Medical Office Towers parking structures.

HOTEL INFORMATION

Sofitel Los Angeles
8555 Beverly Boulevard
Los Angeles, CA 90048
(310) 278-5444

CSMC has arranged for a block of rooms at the newly renovated Sofitel Los Angeles at a special conference rate of \$239 per night, plus tax for a Superior room. The Sofitel Los Angeles is within easy walking distance to Cedars-Sinai Medical Center, directly across from the Beverly Center. Rooms at our special rate are reserved until January 8, 2010. After January 8th, 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 or (310) 278-5444 as soon as possible.

PLEASE NOTE – 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 Nuclear Cardiology and Cardiac CT conference in order to receive the special group rate.



ACTIVITY INFORMATION

COURSE DESCRIPTION

This activity will encourage attendees to fine-tune their interpretive skills in nuclear cardiology, and become familiar with the latest advancements in cardiac CT. The course content is widely known for its practical approach to all aspects of gated SPECT, and offers multiple sessions that focus on cardiac CT and its relationship to nuclear cardiology. A unique program feature is a series of workshops that allow participants to review cases with an expert faculty. Each workshop focuses on a specific technical or clinical problem with time allotted for questions and answers, and attendees actively participate in the case interpretations.

TARGET AUDIENCE

This conference is designed to meet the educational needs of cardiologists, radiologists, nuclear medicine specialists, cardiac imaging technologists, and nurse practitioners in the field.

EDUCATIONAL OBJECTIVES

- Describe the latest protocols for gated SPECT and PET, including instrumentation, software, radiopharmaceuticals and pharmacologic stress
- Demonstrate improved skills in semi-quantitative image interpretation to better integrate and more effectively report the myocardial perfusion and clinical information available for a given patient or patient population
- Identify common artifacts in gated SPECT and PET to improve reporting and diagnostic accuracy
- Create an optimal nuclear cardiology report to communicate the findings and clinical implications of the stress test and nuclear images in order to make the best clinical management decision for the patient
- Describe the latest information regarding the prognostic implications of nuclear cardiology studies and their impact on guiding patient management decisions
- Describe future directions in cardiac SPECT and PET and evaluate the feasibility of using these imaging technologies to enhance patient care
- Recognize the components for reporting gated SPECT/PET and how this clinical information can lead to more effective patient care
- Review the fundamentals of cardiac CT and how providing clinically useful images can enable patients to benefit from the diagnostic power of CT
- Demonstrate improved skill in interpreting CT coronary angiography and coronary calcium scanning
- Distinguish settings in which cardiac CT is likely or unlikely to be of clinical benefit to the patient
- Examine the interactions between nuclear cardiology, cardiac CT, and cardiac MRI in order to select the imaging modalities best suited to the needs of the patient

STATEMENT OF NEED

Evidence exists that the performance of cardiac imaging at the point-of-care leads to timely incorporation of more clinically relevant interpretations into quality patient care. Evidence also demonstrates that Single Photon Emission Computed Tomography (SPECT) imaging and cardiac CT, when appropriately used, result in added value in patient care. However, in both fields there is a need for increased knowledge of practitioners in understanding the fundamentals of proper performance, processing, interpretation, and clinical use of these modalities.

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 educational activity for a maximum of 23 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

CE CREDIT FOR TECHNOLOGISTS

The American Society of Nuclear Cardiology (ASNC) is an American Registry of Radiologic Technologists (ARRT)-recognized continuing education evaluation mechanism (RCEEM). This activity has been approved by ASNC and accepted by the NMTCB for 19.25 ARRT Category A credits. Attendance of 100% of the activity is required to receive the maximum number of credits offered for this activity.

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.

POLICY ON DISCLOSURE

It is the policy of Cedars-Sinai Medical Center to ensure balance, independence, objectivity, and scientific rigor in all of its educational activities. Cedars-Sinai Medical Center assesses conflict 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

Cedars-Sinai Medical Center gratefully acknowledges the educational grants from **Bracco Diagnostics**, **Spectrum Dynamics**, and **Toshiba America Medical Systems** in support of this educational activity. Additional commercial support is pending and will be acknowledged at the conference.

PROGRAM AGENDA

FRIDAY, JANUARY 29, 2010

7:45 AM	Welcome & Introduction	Daniel S. Berman, MD, FACC
7:50	Course Objectives	Daniel S. Berman, MD, FACC

MYOCARDIAL PERFUSION/FUNCTION SPECT and PET

Daniel S. Berman, MD, FACC, Presiding

8:00	Current Protocols for Myocardial Perfusion SPECT and PET and their Physiologic Basis	Jamshid Maddahi, MD, FACC
8:40	Physics, Quality Control and Certification Issues for SPECT/PET: The Essentials	Guido Germano, PhD, MBA, FACC
9:20	Update on Pharmacologic Stress With and Without Exercise: Focus on Adenosine and Regadenoson	Sean W. Hayes, MD
10:00	Break / Break-out Session #1	Sean W. Hayes, MD
10:15	Workshop I - Systematic Interpretation/Reporting of Gated Myocardial Perfusion SPECT/PET	Daniel S. Berman, MD, FACC
10:55	Workshop II - Quantitative Analysis of Gated Myocardial Perfusion SPECT/PET	Guido Germano, PhD, MBA, FACC
11:35	Workshop III - Integrating Visual and Quantitative Analysis of Cardiac SPECT and PET: Case Illustrations	Sean W. Hayes, MD
12:15	Panel Discussion - <i>All Faculty: Daniel S. Berman, MD, FACC, Moderator</i>	
12:30	Lunch	
1:00	CSMC Cardiac Imaging Laboratories Site Visit (Optional - this activity is not eligible for CME/CEU credit)	Amanda Swift, Chief Technologist
1:30	Quantification of Myocardial Perfusion SPECT/PET: Recent Advances	Piotr Slomka, PhD, FACC
2:15	Workshop IV - Troubleshooting SPECT: Understanding the Raw Data and Image Artifacts	John D. Friedman, MD, FACC
3:00	Workshop V - Pitfalls of SPECT and PET Software Tools for Recognizing and Working with Artifacts	Piotr Slomka, PhD, FACC
3:30	Break / Break-out Session #2	John D. Friedman, MD, FACC
3:45	Workshop VI - Blood Pool SPECT and Myocardial Perfusion SPECT: Classic Cases	John D. Friedman, MD, FACC
4:30	Applying MPI in Clinical Practice: The Rise and Fall of Risk Stratification	Rory Hachamovitch, MD, FACC
5:30	Panel Discussion - <i>All Faculty - Daniel S. Berman, MD, FACC, Moderator</i>	
6:00	Adjourn	

SATURDAY, JANUARY 30, 2010

CLINICAL APPLICATIONS OF MYOCARDIAL PERFUSION IMAGING

Rory Hachamovitch, MD, MSc, FACC, Presiding

8:00 AM	Cardiac Imaging in Women	C. Noel Bairey Merz, MD, FACC
8:30	Appropriate Use Criteria, Clinical Guidelines, Clinical Judgement and Patient Management	Robert C. Hendel, MD, FACC
9:00	Evaluation of Myocardial Viability: Integrating a Multimodality Imaging Approach in Clinical Practice	Robert O. Bonow, MD, FACC
9:30	Workshop VII - Assessment of Myocardial Viability: Case Illustrations	Jamshid Maddahi, MD, FACC
10:00	Break / Break Out Session #3	Jamshid Maddahi, MD, FACC
10:15	Workshop VIII - SPECT/PET Before Noncardiac Surgery and After CABG and PCI: Case Illustrations	Robert C. Hendel, MD, FACC
10:45	What Lessons Have We Learned from Myocardial Perfusion Imaging in Randomized Trials	Leslee J. Shaw, PhD, FACC
11:15	Workshop IX - Pitfalls of Gated SPECT/PET: Recognizing and	

	Working with Artifacts	Jack A. Ziffer, MD, PhD, FACC
12:00 PM	Panel Discussion - <i>Rory Hachamovitch, MD, MSc, FACC – Moderator</i>	
12:30	Lunch	
1:00	CSMC Cardiac Imaging Laboratories Site Visit (Optional - this activity is not eligible for CME/CEU credit)	Amanda Swift, Chief Technologist
1:30	Office-based Nuclear Cardiology: Optimizing Protocols, Coding, and Reimbursement	Timothy M. Bateman, MD, FACC
2:00	New SPECT Radiopharmaceuticals, Cameras, and Approaches to Reconstruction	Daniel S. Berman, MD, FACC
2:30	Workshop X - PET vs. SPECT for MPI	Timothy M. Bateman, MD, FACC
3:00	Panel Discussion - <i>Rory Hachamovitch, MD, MSc, FACC – Moderator</i>	
3:15	Break / Break Out Session #4	Jack A. Ziffer, MD, PhD, FACC

NEWER IMAGING MODALITIES: WHY AND WHEN

Daniel Berman, MD, FACC, Presiding

3:30	Prognostication with CT Coronary Calcium Scoring: How Does It Fit into a Preventive Algorithm	Leslee J. Shaw, MD, PhD, FACC
4:00	Workshop XI – Coronary CTA vs Cardiac SPECT in the ER	Jack A. Ziffer, MD, PhD, FACC
4:30	Diagnostic and Prognostic Value of Coronary CTA: Where Does the Evidence Stand?	James Min, MD
5:00	Does Cardiac MRI Have a Role in Clinical Practice?	Louise Thomson, MBChB, FRACP
5:30	Panel Discussion - <i>Jack Ziffer, MD, FACC, Moderator</i>	
6:00	Adjourn	

SUNDAY, JANUARY 31, 2010

CARDIAC CT AND ITS RELATIONSHIP TO NUCLEAR CARDIOLOGY

Daniel S. Berman, MD, FACC,
Presiding

8:00 AM	Fundamentals of Coronary CT Angiography: Essentials of Physics and Instrumentation and Guidelines for Acquisition and Processing	Guy Weigold, MD
8:30	Workshop XII - Achieving a Systematic Approach to the Interpretation and Reporting of Coronary CTA	Stephan Achenbach, MD, FACC
9:15	Workshop XIII - Coronary CTA: Value of "5-point" Stenosis Grading	Victor Cheng, MD
9:45	Workshop XIV - Coronary CTA: Value of Plaque Characterization	James Min, MD
10:15	Panel Discussion - <i>All Faculty - Daniel S. Berman, MD, FACC, Moderator</i>	
10:30	Break / Break-out Session #5	Stephan Achenbach, MD, FACC
10:45	Workshop XV - CCTA Interpretation in the Setting of Stents and Bypass Grafts	Guy Weigold, MD
11:15	Workshop XVI - Pitfalls of Cardiac CT: Recognizing and Working with Artifacts	Stephan Achenbach, MD, FACC
11:45	Workshop XVII - "One-beat" Coronary CTA in Clinical Practice	Tony DeFrance, MD
12:15 PM	Break / Break-out Session #6	
12:30	Lunch	
1:30	Workshop XVIII – Coronary CTA Applications in Patients With Known CAD	Matthew J. Budoff, MD, FACC
2:00	Questions and Answers	
2:05	Workshop XIX - Coronary CTA in a Private Cardiology Practice	Ronald Karlsberg, MD
2:35	Questions and Answers	
2:45	Current Approach to Integrating Cardiac CT and Nuclear Cardiology in Clinical Practice	Daniel S. Berman, MD, FACC
3:15	Adjourn	

REGISTRATION SPACE IS LIMITED – PLEASE REGISTER EARLY!

ACC/ASNC/SCCT Members	Physician	Resident, Fellow, NP/Technologist/PA/RN/Non-MD
EARLY – registered by 12/18/09	<input type="checkbox"/> \$700	<input type="checkbox"/> \$400
STANDARD – registered by 1/15/10	<input type="checkbox"/> \$800	<input type="checkbox"/> \$550
LATE/ON SITE – after 1/16/10	<input type="checkbox"/> \$925	<input type="checkbox"/> \$700

Nonmember ACC/ASNC/SCCT	Physician	Resident, Fellow, NP/Technologist/PA/RN/Non-MD
EARLY – registered by 12/18/09	<input type="checkbox"/> \$800	<input type="checkbox"/> \$500
STANDARD – registered by 1/15/10	<input type="checkbox"/> \$900	<input type="checkbox"/> \$650
LATE/ON SITE – after 1/15/10	<input type="checkbox"/> \$1050	<input type="checkbox"/> \$800

FOUR METHODS FOR REGISTERING



Mail registration form and payment (checks payable to Cedars-Sinai Medical Center) to:
Cedars-Sinai Medical Center
Office of Continuing Medical Education
Attn: Registration
8797 Beverly Boulevard, Suite #250
Los Angeles, CA 90048



Register online at www.csmc.edu/cme and click on "Online Registration"



Fax completed registration form with credit card information to (310) 423-0309



Phone registration for credit card payments only to (310) 423-5548

CME and/or ARRT credit, course materials, continental breakfasts, lunches, and parking in specified CSMC parking lots are included with the registration fee. SEATING AND MEALS ARE FOR REGISTERED ATTENDEES ONLY.

Note: Residents and Fellows must register by fax or mail and attach a letter from their program director.

CSMC 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 confirmation from CSMC. CSMC is not responsible for penalties incurred as a result of cancelled transportation fees.

CONFIRMATION:

A confirmation letter and other conference details will be e-mailed to you.



If you need disability accommodations, please check this box and advise us of your needs at least two weeks before the conference. We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you.

REFUND POLICY:

Written requests for cancellation must be postmarked by January 15, 2010. A partial refund (a \$75 handling fee will be withheld) will be issued following the meeting. After January 15, 2010, no refunds will be issued.

For further information, please call the Office of Continuing Medical Education at (310) 423-5548.

REGISTRATION FORM

ADVANCES IN NUCLEAR CARDIOLOGY AND CARDIAC CT: 24TH ANNUAL CASE REVIEW WITH THE EXPERTS JANUARY 29 – 31, 2010

Please Print Clearly

Last Name: _____ First Name: _____ M.I. _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: () _____ Fax: () _____ E-mail: _____

Specialty/Area of Interest: _____ Degree: _____

Please Charge My:

Visa MasterCard American Express Check enclosed payable to CSMC for \$ _____

Credit Card Number: _____ Exp. Date: _____ Amount: \$ _____

Name on Card: _____

Authorized Signature: _____

Please check here if you do not wish to receive email announcements of upcoming programs.

May we contact you following the meeting in order to perform an outcome measurement survey?