Controversies & Advances

IN THE TREATMENT OF CARDIOVASCULAR DISEASE

The Twenty-First in the Series November 30 - December 1, 2023

The Beverly Hills Hotel - Beverly Hills, California

PROGRAM DIRECTORS: Raj Makkar, MD, FACC, P.K. Shah, MD, MACC, Christine M, Albert, MD, MPH, FACC, Alfredo Trento, MD, FACC, Joanna Chikwe, MD, FACC, Jon Kobashigawa, MD, FACC, C. Noel Bairey Merz, MD, MACC, John G. Harold, MD, MACC, Gregory P. Fontana, MD, FACC, Raj Khandwalla, MD, MA, FACC, Hasan Jilaihawi, BSc (Hons), MD, MRCP (UK)





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Controversies & Advances IN THE TREATMENT OF CARDIOVASCULAR DISEASE

PROGRAM DESCRIPTION

The Controversies & Advances in the Treatment of Cardiovascular Disease symposium is an annual program structured to provide attendees with practical and up-to-date information on complex and controversial issues in the management and treatment of cardiovascular disease. The faculty of world-renowned speakers will offer their expert viewpoints though didactic presentations, debates, panel discussions, and special keynote and distinguished lectures.

TARGET AUDIENCE

This symposium is designed for cardiologists, interventional cardiologists, cardiovascular and thoracic surgeons, perfusionists, nurses, technicians and those involved in the diagnosis, treatment and care of individuals with controversial and complex cases of cardiac disease.

LEARNING OBJECTIVES

Upon completion of this course, participants should be able to:

- :: Analyze the latest advancements and emerging treatments for atherosclerosis and dyslipidemia
- :: Evaluate the future of artificial intelligence in cardiovascular medicine and healthcare
- :: Discuss updates in the treatment of structural heart disease, including TAVR, mitral regurgitation, and percutaneous tricuspid valve repair
- :: Examine the practice changing trials of 2023 and their impact on patient care
- :: Identify the patients who will benefit from renal denervation, and assess the role of novel emerging medications in hypertension management
- :: Evaluate the latest debates and controversies in clinical electrophysiology
- :: Describe recent updates and the roles of cardiac imaging, including coronary CT, cardiac PET and SPECT MPI, cardiac MRI, and multimodality imaging
- :: Examine myosin inhibitors vs. septal reduction therapy in the treatment of hypertrophic cardiomyopathy
- :: Discuss expert views on coronary artery disease, including the heart team, left main intervention, and optimal PCI
- :: Understand and discuss recent changes in understanding ischemic heart disease

CME ACCREDITATION AND DESIGNATION



Physicians: Promedica International is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. Promedica International designates this live activity for a maximum of 14.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: Provider approved by the California Board of Registered Nursing, Provider #8495 for 14.5 Contact Hours.

Perfusionists: Category 1 CEUs for perfusionists will be determined by the American Board of Cardiovascular Perfusion and updated online at www.promedicacme.com.

Registered Cardiovascular Invasive Specialist: CCI does not approve CEUs directly. however CCI will accept CEUs that have already been approved by accredited sponsors of the Accreditation Council for Continuing Medical Education (ACCME). RCIS attendees will claim the physician certificate option when completing the online evaluation and can use that certificate to claim CEUs from CCI.

ABIM MOC ACCREDITATION CME MOC



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 14.5 Medical Knowledge MOC points and Patient Safety MOC credits in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

CME PASSPORT



When requested through the evaluation form, the CME credits that physicians earn from this activity will be submitted to ACCME's CME Passport, a free, centralized web application where you can create a personalized account to view, track, and generate transcripts of your reported CME credit. Visit www.cmepassport.org to create an account.

COMMERCIAL SUPPORT

This program is supported in part by educational grants and exhibits from industry, in accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education. At the time of printing, a complete list of commercial supporters was not available. Appropriate acknowledgement will be given to all supporters in meeting materials onsite.

CULTURAL AND LINGUISTIC COMPETENCY

This activity is in compliance with California Assembly Bill 1195 which requires that all CME activities comprising a patient care element include curriculum addressing the topic of cultural and linguistic competency. The intent of this bill is to ensure that health care professionals are able to meet the cultural and linguistic concerns of a diverse patient population through effective and appropriate professional development. Cultural and linguistic competency was incorporated into the planning of this activity.

Faculty

Program Directors

Rai Makkar, MD, FACC

P.K. Shah, MD, MACC
Christine M. Albert, MD, MPH, FACC
Alfredo Trento, MD, FACC
Joanna Chikwe, MD, FACC
Jon Kobashigawa, MD, FACC
C. Noel Bairey Merz, MD, FACC
John G. Harold, MD, MACC
Gregory P. Fontana, MD, FACC
Raj Khandwalla, MD, MA, FACC
Hasan Jilaihawi, BSc (Hons), MD, MRCP (UK)

Local Faculty

Natalie Bello, MD, MPH, FACC

Daniel Berman, MD, FACC Eric D. Braunstein, MD Sumeet Chugh, MD, FACC Suhail Dohad, MD, FACC Michael Farkouh, MD, MSc James Forrester, MD, FACC Aakriti Gupta, MD, MSc Michelle Hamilton, MD, FACC Sanjay Kaul, MD, MPH, FACC Alan Kwan, MD Frank Litvack, MD, FACC Eduardo Marbán, MD, PhD, FACC David Ouyang, MD, FACC Jignesh Patel, MD, PhD, FACC Florian Rader, MD, MSc, FACC Archana Ramireddy, MD Ivan C. Rokos, MD, FACC Bruce Samuels, MD, FACC Michael Shehata, MD, FACC Robert Siegel, MD, FACC Piotr Slomka, PhD, FACC Janet Wei, MD, FACC, FAHA

Invited Faculty

David E. Albert, MD

AliveCor Mountain View, CA

Christie Ballantyne, MD, FACP, FACC

Baylor College of Medicine Houston, TX

Vinayak Bapat, FRCS, CTh Minneapolis Heart Institute Minneapolis, MN

Jeroen J. Bax, MD, PhD, FACC

Leiden University Medical Center Leiden, The Netherlands

Elijah R. Behr, MBBS, MD, FRCP, FESC St George's University Hospitals

NHS Foundation Trust St George's, University of London Mayo Clinic Healthcare London, United Kingdom

Michael Bloch, MD Renown Institute for Heart

and Vascular Health Reno, NV Ralph Brindis, MD, MPH, MACC,

FAHA, FSCAI University of California,

San Francisco San Francisco, CA **Alan Brown, MD, MHA, FACC,**

MNLA Advocate Lutheran General

Hospital Rosalind Franklin School of Medicine and Science Naperville, IL **Hugh Calkins, MD, FACC**

Johns Hopkins Baltimore, MD

Miliad Dosei M

Milind Desai, MD, MBA, FACC Cleveland Clinic

Cleveland, OH

Marcelo Di Carli, MD, FACC

Brigham and Women's Hospital Boston, MA

William Fearon, MD, FACC

Stanford School of Medicine Stanford, CA

Dipti Itchhaporia, MD, MACC, FAHA, FESC, FRCP

Hoag Memorial Hospital Presbyterian Newport Beach, CA

Martin Leon, MD, FACC Columbia Interventional

Cardiovascular Care Columbia University Medical Center Cardiovascular Research Foundation New York, NY

Michael Mack, MD, MACC

Baylor Scott & White Health Dallas, TX

Cian McCarthy, MB, BCh, BAO, SM, FACC

Massachusetts General Hospital Boston, MA

Mandeep Mehra, MD, MSc, FRCP, FACC.

Brigham and Women's Hospital Boston, MA

Franz H. Messerli, MD, FACC

University of Bern Bern, Switzerland

James Muller, MD, FACC

Brigham and Women's Hospital Harvard Medical School Boston, MA

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Cleveland, OH

Jamal Rana, MD, PhD, FACC The Permanente Medical

Group
Oakland, CA
Michael Salerno, MD, PhD, FACC

Stanford University

Stanford, CA

Patrick W. Serruys, MD, PhD, FACC College of Medicine, Nursing

and Health Sciences National University of Ireland Galway Galway, Ireland

Rahul Sharma, MBBS

Stanford Healthcare Stanford, CA

Paul S. Teirstein, MD, FACC

Scripps Clinic La Jolla, CA

Eric Topol, MD

Scripps Research Translational Institute Scripps Research La Jolla, CA

Atul Verma, MD, FRCPC, FHRS, FACC

McGill University Montreal, Canada

Ralph Stephan von Bardeleben, MD. PhD

University Medical Center of Mainz Mainz, Germany

Karol Watson, MD, PhD, FACC

David Geffen School of Medicine at UCLA Los Angeles, CA

Michael Weber, MD, FAHA, FACC

SUNY Downstate Medical College Brooklyn, NY

Salim Yusuf, DPhil, FRCPC, RSC, OC, FACC

Population Health Research Institute McMaster University and Hamilton Health Sciences Hamilton, Canada

Scientific Program 2023

Thursday, November 30

7:00 - 7:45 AM

Registration, Continental Breakfast, & Visit Exhibits

7:45 - 7:50 AM

Welcome Address Raj Makkar, MD, FACC John G. Harold, MD, MACC

7:50 - 8:20 AM

The Ronald G. Victor, MD -Memorial Lecture: Introduced by James Forrester, MD, FACC

Cardiovascular Effects of Obesity and Evolving Treatment Steven E. Nissen, MD, MACC

SESSION I:

ATHEROSCLEROSIS AND DYSLIPIDEMIA

Chair: P.K. Shah, MD, MACC

8:20 - 8:40 AM

Lipids Are Essential but Not Sufficient for Atherogenesis P.K. Shah, M.D., MACC

8:40 - 9:00 AM

Non-Statin Lipid Modifying Therapies Alan Brown, MD, MHA, FACC, MNI.A

9:00 - 9:20 AM

Lifestyle and Cardiovascular Health

Karol Watson, MD, PhD, FACC

9:20 - 9:40 AM

Anti Inflammatory Drugs to Inhibit Atherosclerosis: Old and New

Christie Ballantyne, MD, FACP, FACC

9:40 - 10:10 AM

Distinguished Lecture:

My Journey in Academic Medicine: From Nuclear Risk and the Nobel Peace Prize to the Vulnerable Plaque James Muller, MD, FACC

10:10 - 10:30 AM

Break & Visit Exhibits

SESSION II: STRUCTURAL HEART DISEASE

Chairs

Raj Makkar, MD, FACC Alfredo Trento, MD, FACC Moderator:

Gregory P. Fontana, MD, FACC Panelists:

Martin Leon, MD, FACC Michael Mack, MD, MACC

10:30 - 10:45 AM

Update on Public Reporting for TAVR: Should the Same Standards Apply to SAVR and TAVR?

Ralph Brindis, MD, MPH, MACC, FAHA. FSCAI

10:45 - 11:00 AM

Long Term TAVR Follow-Up in Perspective: What Is the Role of Surgery Moving Forward? Michael Mack, MD, MACC

11:00 - 11:30 AM

DEBATE Mitral Regurgitation

- :: Surgery Is and Always Will Be the Gold Standard Joanna Chikwe, MD, FRCS, FACC
- :: TMVR Is the Way Forward Vinayak Bapat, FRCS, CTh
- Edge-to-Edge Repair Is (Pretty Much) All You Need Ralph Stephan von Bardeleben, MD, PhD

11:30 - 11:50 AM

Percutaneous Tricuspid
Valve Repair or
Replacement for Severe
Tricuspid Regurgitation:
Cosmetic Benefit or Altering
Natural History? Insights
from TRILUMINATE and
TRISCEND Trials
Martin Leon, MD, FACC

SESSION III: AI IN CARDIOVASCULAR MEDICINE

Chairs:

John G. Harold, MD, MACC Raj Khandwalla, MD, MA, FACC Rahul Sharma. MBBS

11:50 AM - 12:20 PM

Keynote Lecture:

Artificial Intelligence (AI) in Healthcare: How AI Can Make Healthcare Human Again Eric Topol, MD

12:20 - 12:50 PM

Panel Discussion / Q&A Sumeet Chugh, MD, FACC Dipti Itchhaporia, MD, MACC, FAHA, FESC, FRCP David Ouyang, MD, FACC Piotr Slomka, PhD, FACC Eric Topol, MD

12:50 - 1:45 PM

Lunch

Lunch Panel on AI in Cardiovascular Medicine

This content is not CME/MOC accredited

Moderators:

Sumeet Chugh, MD, FACC
Raj Makkar, MD, FACC

Expert Multidisciplinary Panel

1:45 - 2:05 PM

Keynote Lecture:

Cardiovascular Effects of Air Pollution and Climate Change Across the Country Jamal Rana, MD, PhD, FACC

SESSION IV: UPDATE ON PRACTICE CHANGING TRIALS 2023

Chairs:
Sanjay Kaul, MD, MPH, FACC
Raj Makkar, MD, FACC
Panel:
Michael Farkouh, MD, MSc
Steven E. Nissen, MD, MACC
Salim Yusuf, DPhil, FRCPC, FRSC,
OC, FACC

2:05 - 3:05 PM

Mitigating CV Risk in Obesity with Pharmacotherapy is Finally Achievable: Insights from SELECT and STEP-HFPEF Trials

Catheter Ablation for Atrial Fibrillation with Heart Failure: Are We Building Castles in the Sky?

Are the Benefits of Bempedoic Acid Clear? Insights from CLEAR Outcomes Trial

Controversies in Structural Heart Trials

3:05 - 3:30 PM

Break & Visit Exhibits

3:30 - 4:00 PM

What is Right and What is Wrong with the Current Guidelines on Diet and Prevention of Cardiovascular Disease Salim Yusuf, DPhil, FRCPC, FRSC, OC, FACC

4:00 - 4:20 PM

Keynote Lecture:

New RNA Drugs for Heart Disease Eduardo Marbán, MD, PhD

SESSION V: HYPERTENSION

Chairs: Florian Rader, MD, MSc, FACC Natalie Bello, MD, MPH, FACC

4:20 - 5:00 PM

DEBATE Renal Denervation is FDA Approved - Now What?

- :: An Update on the Clinical Data Florian Rader, MD, MSc, FACC
- Renal Denervation Will Be an Option for Most Hypertensive Patients! Michael Bloch. MD
- Renal Denervation Will Be a Niche, Last-Resort Procedure!
 Franz H. Messerli, MD. FACC

5:00 - 5:15 PM

An Update on Novel Emerging Hypertensive Medications and Their Role in the Management of Hypertension Michael Weber, MD, FAHA, FACC

5:15 - 5:30 PM

Session V Panel Discussion / O&A

5:30 - 6:00 PM

Closing Remarks of the Day: Introduced by P.K. Shah, MD, MACC

Thoughts on the Controversies of Life in 2023 Special Guest: Dana Carvey

Friday, December 1

7:00 - 7:55 AM

Registration, Continental Breakfast, & Visit Exhibits

7:55 - 8:00 AM

Welcome Back Raj Makkar, MD, FACC

SESSION VI: CLINICAL ELECTROPHYSIOLOGY

Chairs-

Sumeet Chugh, MD, FACC Michael Shehata, MD, FACC Christine M. Albert, MD, MPH, FACC

8:00 - 8:25 AM

DEBATE Electroporation Will Replace Thermal Ablation for Catheter-Based Procedures

- :: Protagonist Atul Verma, MD, FRCPC, FHRS, FACC
- :: AntagonistHugh Calkins, MD FACC

8:25 - 8:50 AM

DEBATE Cardiac Resynchronization Therapy for Heart Failure

- :: The Future Belongs to Conduction System Pacing Eric D. Braunstein, MD
- :: Are You Kidding Me? Traditional CRT is Irreplaceable Archana Ramireddy, MD

8:50 - 9:15 AM

DEBATE Safety of Sports for Young Patients with Inherited Arrhythmia Syndromes

- :: Let Them Play Elijah R. Behr, MBBS, MD, FRCP, FESC
- :: That's Playing with Fire Sumeet Chugh MD, FACC

9:15 - 9:35 AM

Break & Visit Exhibits

SESSION VII: UPDATE IN CARDIAC IMAGING IN CAD: STATE-OF-THE-ART AND FUTURE

Chairs:

Daniel Berman, MD, FACC Alan Kwan, MD Robert Siegel, MD, FACC

9:35 - 9:50 AM

The CT Coronary Heart
Team: A New Paradigm
Patrick W. Serruys, MD, PhD, FACC

9:50 - 10:05 AM

Cardiac PET and SPECT MPI Marcelo Di Carli, MD, FACC

10:05 - 10:20 AM

Cardiac MRI Michael Salerno, MD

10:20 - 10:35 AM

Controversies in Multimodality Imaging Jeroen J. Bax, MD, PhD

10:35 - 11:05 AM

Future of AI

- :: Scientist Point of View Piotr Slomka, PhD, FACC
- :: Clinician Point of View David Ouyang, MD, FACC

11:05 - 11:15 AM

Session VII Panel Discussion / Q&A

SESSION VIII: CONTROVERSIES IN ADVANCED HEART FAILURE

Chairs:

Michele Hamilton, MD, FACC Jon Kobashigawa, MD, FACC

11:15 - 11:35 AM

Keynote Lecture:

Advances and Controversies in ATTR Amyloid Therapy Jignesh Patel, MD, PhD, FACC

Hypertrophic Cardiomyopathy

11:35 AM - 12:05 PM

DEBATE Myosin Inhibitors vs. Sental Reduction Therapy

Septal Reduction Therapy: Myosin Inhibitors are
Obviating SRT

Florian Rader, MD, MSc, FACC

- Septal Reduction Therapy is Still the Mainstay
 Milind Desai, MD, MBA, FACC
- :: Discussion / Q&A

12:05 - 12:25 PM

Keynote Lecture:

Editing Out Cardiac Disease: The Gene Manipulation Era Begins

 $\label{eq:mandeep Mehra, MD, MSc, FRCP, FACC} \mbox{Mandeep Mehra, MD, MSc, FRCP, } \mbox{FACC}$

12:25 - 1:30 PM

Lunch

Lunch Panel: Innovation in Cardiovascular Medicine

This content is not CME/MOC accredited

Moderators:

Raj Makkar, MD, FACC Frank Litvack, MD, FACC

Expert Multidisciplinary Panel

SESSION IX: CONTROVERSIES IN THE TREATMENT OF CAD -EXPERT VIEWS

Chairs:

Raj Makkar, MD, FACC Michael Mack, MD, MACC Suhail Dohad, MD, FACC

1:30 - 1:45 PM

First-in-Man: Biorestorative Bypass Graft Patrick W. Serruys, MD, PhD, FACC

1:45 - 2:00 PM

The Coronary Heart Team Is Overrated: Why We Need MORE Complex PCI, FEWER CABG

Paul S. Teirstein, MD, FACC

2:00 - 2:30 PM

DEBATE Left Main Interventions in 2023

- :: Surgery Remains the Gold Standard and Should be Offered to All Surgical Candidates Joanna Chikwe, MD
- :: PCI Can Treat Most Patients and Is the Treatment of Choice Patrick W. Serruys, MD, PhD, FACC

2:30 - 2:50 PM

DEBATE Optimal PCI in 2023

- Should be Directed by Physiology William Fearon, MD, FACC
- Should be Directed by Anatomy
 Bruce Samuels, MD, FACC

2:50 - 3:15 PM

Break & Visit Exhibits

SESSION X: CHANGES IN ISCHEMIC HEART DISEASE: LESSONS LEARNED FROM THE WOMEN

Chair:

C. Noel Bairey Merz, MD, MACC

3:15 - 3:25 PM

Welcome & Overview of Session Goals

C. Noel Bairey Merz, MD, MACC

3:25 - 3:40 PM

Decline in STEMI and Rising Prevalence of Nonobstructive CAD: What Are the Contributing Risk Factors and Plaque Changes?

C. Noel Bairey Merz, MD, MACC

3:40 - 3:55 PM

Rising Incidence and Characteristics of Type 2 MI: What is the Pathogenesis? Cian McCarthy, MB, BCh, BAO, SM, FACC

3:55 - 4:10 PM

Why Do Women Have Worse Outcomes for Revascularization? Does it Depend on the Vessel Size? Aakriti Gupta, MD, MSc

4:10 - 4:25 PM

New Diagnostic Strategies and ICD10 Codes for Small Vessel Disease: Thank Goodness for the Women! Janet Wei, MD, FACC, FAHA

4:25 - 4:30 PM

Closing Remarks
C. Noel Bairey Merz, MD, MACC
Janet Wei, MD, FACC, FAHA

Registration Information

\$595 Physician/Industry \$395 Nurse/Resident/Technician \$395 ACC National Member \$195 California Chapter ACC Member/ Cardiac Care Associate \$395 CASTS Member

\$195 CASTS Associate Member

Registration fees include breakfasts and lunches, as well as scientific program materials. Please make checks payable to Promedica International CME in U.S. dollars drawn on a U.S. bank. Visa, MasterCard, Discover and American Express credit cards are also accepted. Registrations should be faxed, mailed or submitted online at www.promedicacme.com.

To register, please complete the attached form and mail or fax to:

Promedica International CME 300 Carlsbad Village Dr., Suite 108A-326 Carlsbad, CA 92008 Tel: 760-720-2263, Fax: 760-444-3158 Rlaw@promedicacme.com

Refunds

All cancellations must be submitted in writing and refunds will be subject to a \$100 administration charge. Cancellations cannot be accepted over the telephone. Refunds will not be available beginning 20 days prior to the symposium.

Hotel Accommodations

A group room rate of \$695 plus taxes per night is available for symposium attendees at The Beverly Hills Hotel through November 3, 2023. Visit controversies in cardiology.com/hotel.html for instructions on how to make your reservation...

Activity Evaluation

Evaluation by online questionnaire will address content, presentation, and future educational needs. A link to the evaluation will be sent via email at the conclusion of the program. Symposium participants will complete the form to request their certificate and reporting.

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Controversies & Advances

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WHAT THEY'RE SAYING:

- conferences I have ever attended for its depth, breadth, :: Overall, this is one of the best cardiovascular disease and clinical applicability.
- :: Truly an outstanding program. I always look forward to the contemporary topics and especially the fascinating debates.
- :: Excellent overall content with a broad array of important topics across the spectrum of cardiovascular disorders. I loved the mix of didactic lectures, debates, and the ample time for discussion.
- controversies in cardiovascular disease, challenges our :: The symposium provides a fresh look at the critical intellect, and adds therapeutic knowledge.
- compelling recent issues. Speakers were excellent. :: Outstanding, state-of-the-art discussions on most

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