

Controversies & Advances

IN THE TREATMENT OF CARDIOVASCULAR DISEASE

The Twentieth in the Series • December 2-3, 2021

The Maybourne Beverly Hills - 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, FACC, John G. Harold, MD, MACC, Gregory P. Fontana, MD, FACC, Raj Khandwalla, MD, MA, FACC, and Jamal S. Rana, MD, PhD, FACC



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CARDIOLOGY | Arizona
CHAPTER



INTERNATIONAL
ACADEMY OF
CARDIOLOGY



Controversies & Advances

IN THE TREATMENT OF CARDIOVASCULAR DISEASE

PROGRAM DESCRIPTION

We look forward to the twentieth celebration of the Controversies and Advances in the Treatment of Cardiovascular Disease symposium! The two-day scientific program will offer realistic views on many controversial issues in cardiovascular disease today. Session topics will include atherosclerosis and dyslipidemia, digital medicine, coronary artery disease, cardiac imaging, structural heart disease, clinical electrophysiology, hypertension, practice-changing trials of 2021, advanced heart failure, and investigating patients with suspected stable angina.

Sessions will include a combination of lectures, debates, and roundtable discussions. A faculty of internationally known leaders has been invited to share their knowledge and experiences with complex and controversial cases.

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
- :: Examine and evaluate the future of digital medicine and healthcare delivery
- :: Compare and contrast expert views on the treatment of complex coronary artery diseases
- :: Evaluate the current challenges in structural heart disease
- :: Examine recent updates and discuss the role and impact of AI on cardiac imaging
- :: Discuss the latest updates in clinical electrophysiology
- :: Compare and contrast antihypertensive medications and blood pressure monitoring tools
- :: Understand and explain the most important recent trials in cardiovascular disease and how they may affect changes in practice
- :: Examine the latest controversies in advanced heart failure
- :: Analyze the ISCHEMIA trial results in regards to patients with suspected stable angina

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 15.75 *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 15.75 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



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 15.75 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.

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

Raj Makkar, MD, FACC
PK. 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
Jamal S. Rana, MD, PhD, FACC

Local Faculty

Natalie Bello, MD, MPH, FACC
Daniel Berman, MD, FACC
C. Adair Blyler, PharmD, CHC
Pedro Catarino, MD, FRCS
Tarun Chakravarty, MD, FACC
Peng-Sheng Chen, MD, FACC
Sumeet Chugh, MD, FACC
Suhail Dohad, MD, FACC
Joseph Ebinger, MD, MS, FACC
Dominic Emerson, MD
James Forrester, MD, FACC
Eli Gang, MD, FACC
Jeffrey Goodman, MD, FACC
Michele Hamilton, MD
Sanjay Kaul, MD, MPH, FACC
Asher Kimchi, MD, FACC
Michelle Kittleson, MD, PhD, FACC
Alan Kwan, MD,
James Laur, JD
Frank Litvack, MD, FACC
Eduardo Marbán, MD, PhD, FACC
David Ouyang, MD, FACC
Jignesh Patel, MD, PhD, FACC
Florian Rader, MD, MSc, FACC
Bruce Samuels, MD, FACC
Roopinder Sandhu, MD, MPH
Robert Siegel, MD, FACC
Piotr Slomka, PhD, FACC
Charles Swerdlow, MD, FACC

Invited Faculty

George Bakris, MD, MA
University of Chicago Medicine
Chicago, IL
Joseph E. Bavaria, MD, FRCS (Edin)
Hospital of the University
of Pennsylvania
Philadelphia, PA
Peter Block, MD, FACC
Emory University and
Midtown Hospitals
Atlanta, GA
William Boden, MD, FACC, FAHA, FASPC
VA Boston Healthcare System
Boston University
School of Medicine
Boston, MA
William Fearon, MD, FACC
Stanford School of Medicine
Stanford, CA
W. Bruce Fye, MD, MS, MACC
Mayo Clinic
Rochester, MN
Dipti Itchhaporia, MD, FACC
University of California, Irvine
Hoag Hospital
Newport Beach, CA
Harlan Krumholz, MD, SM
Yale University School
of Medicine
New Haven, CT
Jonathon Leipsic, MD, FRCPC,
MSCCT
St. Paul's Hospital
University of British Columbia
Vancouver, Canada
Martin Leon, MD, FACC
Columbia University
Medical Center
New York Presbyterian Hospital
New York, NY
Michael Mack, MD, MACC
Baylor Scott & White Health
Plano, TX
John Mandrola, MD, FACC
Baptist Health Louisville
Louisville, KY
David Maron, MD, FACC
Stanford Hospital
Stanford, CA
Jagat Narula, MD, PhD, MACC
Mount Sinai
Morningside Hospital
Icahn School of Medicine
at Mount Sinai
New York, NY

David Newby, MD, PhD, FACC
University of Edinburgh
Edinburgh, Scotland
Steven Nissen, MD, MACC
The Cleveland Clinic
Foundation
Cleveland, OH
Milton Packer, MD
Baylor University
Medical Center
Dallas, TX
Athena Poppas, MD, MACC
Rhode Island Hospital
Brown University
Providence, RI
Michael Reardon, MD, FACC
Houston Methodist Hospital
Houston, TX
John Rumsfeld, MD, PhD, FACC
University of Colorado
Denver, CO
Michael Salerno, MD, PhD, FACC
Stanford Hospital
Stanford, CA
Rahul Sharma, MBBS, FRACP
Stanford Hospital
Stanford, CA
Eric Stecker, MD, MPH, FACC
Oregon Health & Science
University
Portland, OR
Gregg Stone, MD, FACC
Icahn School of Medicine
at Mount Sinai
New York, NY
Jean-Claude Tardif, MD, FACC
Montréal Heart Institute
Montréal, Canada
Peter Toth, MD, PhD, FACC
Cicarrone Center for the
Prevention of Cardiovascular
Disease
Johns Hopkins University
School of Medicine
Baltimore, MD
Michael Weber, MD, FACC
SUNY Downstate
Medical College
New York, NY
Kim Allan Williams, MD, MACC
Rush University Medical Center
Chicago, IL

Scientific Program 2021

Thursday, December 2

7:00 - 7:55 AM

Registration, Continental
Breakfast, and Visit Exhibits

7:55 - 8:00 AM

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

8:00 - 8:10 AM

CA ACC Welcome Address
Jamal S. Rana, MD, PhD, FACC

8:10 - 8:40 AM

The Ronald G. Victor, MD Memorial Lecture

Cardiology's Biggest
Controversy: The Lumen or
The Wall?
James Forrester, MD, FACC

8:40 - 9:25 AM

Distinguished Lecture

An Illustrated History
of Modern Cardiology
and Cardiac Surgery
W. Bruce Fye, MD, MA, MACC

SESSION I: ATHEROSCLEROSIS AND DYSLIPIDEMIA

Chair:
P.K. Shah, MD, MACC

9:25 - 9:45 AM

What Triggers Inflammation
in Atherosclerosis?
P. K. Shah, MD, MACC

9:45 - 10:05 AM

Repurposing Colchicine
for Atherosclerosis
Jean-Claude Tardif, MD, FACC

10:05 - 10:25 AM

Fish Oil: Who Should Get It?
Peter Toth, MD, PhD, FACC

10:25 - 10:45 AM

What Diet is Best for
Cardiovascular Health?
Kim Allan Williams, MD, MACC

10:45 - 11:00 AM

Break & Visit Exhibits

11:00 - 11:20 AM

Keynote Lecture
Upstream Treatment
of Aortic Stenosis
Martin Leon, MD, FACC

SESSION II: DIGITAL MEDICINE

Chairs:
John G. Harold, MD, MACC
Raj Khandwalla, MD, MA, FACC

11:20 - 11:35 AM

HRS Guidelines Regarding
Digital Health, Telehealth,
and Arrhythmia
Christine M. Albert, MD, MPH, FACC

11:35 - 11:50 AM

The Future of Digital
Innovation
John Rumsfeld, MD, FACC

11:50 AM - 12:05 PM

Personalized and
Computations Cardiology
Harlan Krumholz, MD, SM, FACC

12:05 - 12:20 PM

Integration of AI Into
Clinical Practice
Rahul Sharma, MBBS, FRACP

12:20 - 12:35 PM

Ambient Sensing
and Wearables
David Ouyang, MD, FACC

12:35 - 1:30 PM

Lunch

SESSION III: CONTROVERSIES IN THE TREATMENT OF CAD: EXPERT VIEWS

Chair:

Raj Makkar, MD, FACC

1:30 - 1:55 PM

Targeting Plaques, Treating Patients or Tweaking the Population

Jagat Narula, MD, PhD, MACC

1:55 - 2:10 PM

Public Reporting of Outcomes: What Are the Unintended Consequences?

Joseph E. Bavaria, MD, FRCS(Edin)

2:10 - 2:25 PM

Coronary Physiology Is More Important Than Anatomy to Improve Outcomes

William Fearon, MD, FACC

2:25 - 2:40 PM

Evaluating Coronary Anatomy Is the Best Way to Improve Outcomes

David Newby, MD, PhD, FACC

2:40 - 2:55 PM

Treating Stenosis or Ischemia Does Not Improve Outcomes - Medical Therapy Is King

William Boden, MD, FACC, FAHA, FASPC

2:55 - 3:15 PM

Optimal Management of Left Main Disease in 2021

Gregg Stone, MD, FACC

3:15 - 3:30 PM

A Surgeon's Perspective: Are We Underusing CABG?

Joanna Chikwe, MD, FACC

3:30 - 3:45 PM

Break & Visit Exhibits

SESSION IV: STRUCTURAL HEART DISEASE

Chair:

Raj Makkar, MD, FACC

Moderator:

Gregory P. Fontana, MD, FACC

3:45 - 4:00 PM

Beyond TAVR: The Future of Structural Heart - What Are the Unresolved Issues?

Michael Mack, MD, MACC

4:00 - 4:15 PM

Durability of Transcatheter Heart Valves - Has the Dust Settled?

Michael Reardon, MD, FACC

4:15 - 4:30 PM

What's New in Transcatheter Mitral and Tricuspid Valve Replacement?

Raj Makkar, MD, FACC

4:30 - 4:45 PM

Why Is Transcatheter Edge-to-Edge Repair Underutilized in Heart Failure Management? A Discussion

Michele Hamilton, MD
Michael Mack, MD, MACC,
Raj Makkar, MD, FACC
Jignesh Patel, MD, PhD, FACC,
Gregg Stone, MD, FACC

SESSION V: UPDATE IN CARDIAC IMAGING

Chairs:

Daniel Berman, MD, FACC, and Alan Kwan, MD

4:45 - 5:00 PM

Echocardiography in the Diagnosis and Management of Mitral Regurgitation

Robert Siegel, MD, FACC

5:00 - 5:15 PM

CMR: Pivotal Role in Cardiomyopathy

Michael Salerno, MD, PhD, FACC

5:15 - 5:30 PM

Pivotal Role of CT in Structural Heart Disease

Jonathan Leipsic, MD, FRCPC, MSCCT

5:30 - 6:00 PM

DEBATE

Impact of AI (The Machine) on Cardiac Imaging

:: The Machine Wins

Piotr Slomka, PhD, FACC

:: Can't Drive the Machine

Without the Doctor

David Ouyang, MD, FACC

6:00 PM

Adjourn

Friday, December 3

7:00 - 7:55 AM

Registration, Continental
Breakfast, and Visit Exhibits

7:55 - 8:00 AM

Welcome Address

Raj Makkar, MD, FACC

SESSION VI: CLINICAL ELECTROPHYSIOLOGY

Chairs:

Christine M. Albert, MD, MPH, FACC

Sumeet Chugh, MD, FACC

Eli Gang, MD, FACC

Jeffrey Goodman, MD, FACC

Charles Swerdlow, MD, FACC

8:00 - 8:25 AM

Device-Detected Atrial
Fibrillation: NOAC or Not?
Roopinder Sandhu, MD, FACC

8:25 - 8:50 AM

Clinical Pearls for POTS.
(Postural Orthostatic
Tachycardia Syndrome)
Peng-Sheng Chen, MD, FACC

8:50 - 9:30 AM

DEBATE

The Future of Primary Prevention ICDs

- :: Will Only Benefit Patients
with EF <35%
Eric C. Stecker, MD, MPH, FACC
- :: Will Have the Most Impact
in Patients with EF >35%
Sumeet Chugh, MD, FACC
- :: Rebuttal and Discussion

9:30 - 10:00 AM

Break & Visit Exhibits

SESSION VII: HYPERTENSION

Chair:

Florian Rader, MD, MSc, FACC

10:00 - 10:14 AM

DEBATE

Aldosterone Blockade vs. Thiazide Diuretics: Which is the Superior Antihypertensive?

- :: Aldo Blockers and
New Trials
Florian Rader, MD, MSc, FACC
- :: Thiazides, But They Are Not
All Created Equal!
Natalie Bello, MD, MPH, FACC

10:14 - 10:27 AM

DEBATE

Race and HTN: True Biologic Difference or Just a Surrogate Marker?

- :: Main Discussion
Joseph Ebinger, MD, MS, FACC
- :: What Did We Learn from
the Barbershop Trials?
C. Adair Blyler, PharmD, CHC

10:27 - 10:41 AM

DEBATE

Out-of-Office Blood Pressure Monitoring for the Management of Hypertension

- :: Home and Ambulatory BP
Monitoring Are Essential
Tools
Michael Weber, MD, FACC
- :: Ambulatory BP Monitoring
is an Antiquated and
Impractical Tool
Raj Khandwalla, MD, MA, FACC

10:41 - 11:00 AM

Panel Discussion

Natalie Bello, MD, MPH, FACC
C. Adair Blyler, PharmD, CHC
Joseph Ebinger, MD, MS, FACC
Raj Khandwalla, MD, FACC
Florian Rader, MD, MSc, FACC
Michael Weber, MD, FACC

SESSION VIII: UPDATE ON PRACTICE- CHANGING CV TRIALS OF 2021

Chair:

Sanjay Kaul, MD, MPH, FACC

Discussants:

George Bakris, MD

Michael Mack, MD, MACC

Steven Nissen, MD, MACC

Milton Packer, MD, FACC

Peter Toth, MD, PhD, FACC

11:00 - 11:15 AM

N-3 PUFA: Do They Improve
CV Outcomes? Reconciling
Discordant Cardiorenal
Metabolic Outcome Trials

11:15 - 11:30 AM

SGLT2 Inhibitors: Are They
the Modern-Day Statins?
Insights from Recent
Cardiorenal Metabolic
Outcome Trials

11:30 - 11:45 AM

TAVI for Low-Risk Severe
Aortic Stenosis: Do We Have
Sufficient Data to Inform the
Guidelines?

11:45 AM - 12:00 PM

Role of Finerenone,
a Novel Nonsteroidal
Mineralocorticoid Receptor
Antagonist, in Mitigating
Cardiorenal Risk in T2
Diabetes

12:00 - 1:00 PM

Lunch

The lunch activity is not included in CME hours

Lunch Panel: How Will COVID Change the World of Medicine Forever? Impact on Health Care Delivery, Education, Innovation, Industry and More

Moderators:

Gregory P. Fontana, MD, FACC

Frank Litvack, MD, FACC

Discussants:

John G. Harold, MD, MACC

Dipti Itchhaporia, MD, FACC

Harlan Krumholz, MD, SM, FACC

James Laur, JD

Bruce Samuels, MD, FACC

Larry Wood

1:00 - 1:25 PM

Keynote Lecture

How Should We Define and Achieve Equity in Health Care?

Harlan Krumholz, MD, SM, FACC

1:20 - 1:40 PM

Keynote Lecture

Cardiac Care in Women:

Emerging Risk Factors

Dipti Itchhaporia, MD, FACC

1:40 - 2:00 PM

Keynote Lecture

Heart Disease in Pregnancy

Athena Poppas, MD, MACC

2:00 - 2:20 PM

Keynote Lecture

New RNA Drugs for HfpEF

Eduardo Marbán, MD, PhD, FACC

SESSION IX:

CONTROVERSIES IN ADVANCED HEART FAILURE

Chair:

Jon Kobashigawa, MD, FACC

Moderator:

Dominic Emerson, MD, FACC

2:20 - 2:35 PM

Sodium-Glucose

Co-Transporter 2 (SGLT2)

and Heart Failure

Michelle Kittleson, MD, PhD, FACC

2:35 - 2:50 PM

Cardiac iBox to Predict

Outcomes in Heart

Transplant Patients

Jignesh Patel, MD, PhD, FACC

2:50 - 3:05 PM

Donation after Cardiac

Death (DCD): A New

Paradigm for Organ

Donation in Heart

Transplantation

Pedro Catarino, MD, FRCS

3:05 - 3:25 PM

DEBATE

Role of Digoxin in Heart Failure and Atrial Fibrillation

:: Michelle Kittleson, MD, PhD, FACC

:: John Mandrola, MD, FACC

3:25 - 3:35 PM

Panel Discussion

Pedro Catarino, MD, FRCS

Dominic Emerson, MD,

Michelle Kittleson, MD, PhD, FACC

Jon Kobashigawa, MD, FACC

Jignesh Patel, MD, PhD, FACC

3:35 - 3:50 PM

Break & Visit Exhibits

SESSION X:

INVESTIGATING PATIENTS WITH SUSPECTED STABLE ANGINA: BEYOND ISCHEMIA

Chair:

C. Noel Bairey Merz, MD, FACC

3:50 - 4:00 PM

Welcome, Overview

of Session Goals

C. Noel Bairey Merz, MD, FACC

4:00 - 4:10 PM

Introductions of the Invited

ISCHEMIA Trial Speakers

David Maron, MD, FACC

Gregg Stone, MD, FACC

4:10 - 4:55 PM

Summit Panel Discussion

of Panel Questions

Peter Block, MD, FACC

William Boden, MD, FACC,

FAHA, FASPC

4:55 - 5:00 PM

Closing Remarks

C. Noel Bairey Merz, MD, FACC

5:00 PM

Adjourn

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 US 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
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Carlsbad, CA 92008
Tel: (760) 720-2263, Fax: (760) 720-6263
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 special room rate of \$415 per night plus taxes for single or double occupancy is available The Maybourne Beverly Hills through November 9, 2021 or as space allows. Please contact Rebecca Law at rlaw@promedicacme.com for current availability.

Activity Evaluation

Evaluation by online questionnaire will address content, presentation, and future educational needs.

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Visit us at www.promedicacme.com for convenient online registration.

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CASTS Member: \$395

**Nurse/Resident/
Technician:** \$395

**California Chapter ACC
Member/Cardiac Care
Associate:** \$195

**CASTS Associate
Member:** \$195

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First/Last Name _____ MD RN CCP NP

Institution _____

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Email Address _____ Specialty _____

Please mail or fax to: Promedica International CME, 300 Carlsbad Village Dr., Suite 108A-326, Carlsbad, CA 92008
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WHAT THEY'RE SAYING:

- :: Truly an outstanding program. I always look forward to the contemporary topics and especially the fascinating debates.
- :: Overall, this is one of the best cardiovascular disease conferences I have ever attended for its depth, breadth, and clinical applicability.
- :: A unique and engaging symposium! The focus on controversy helps illuminate the material.
- :: There were many great lectures and speakers at the conference. The research studies are fresh from the press!
- :: This symposium provides a fresh look at the critical controversies in cardiovascular disease, challenges our intellect, and adds therapeutic knowledge.
- :: The program was outstanding and had practical applications for my daily practice.
- :: World class speakers and research with clinical relevance.

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