

Controversies and Advances in the
Treatment of Cardiovascular Disease
The Twentieth in the Series

December 2-3, 2021 ♦ The Maybourne Beverly Hills

Thursday, December 2, 2021

7:00 – 7:55 AM	Registration, Continental Breakfast, and Visit Exhibits
7:55 – 8:00 AM	Welcome Address <i>Raj Makkar, MD, FACC</i> <i>John G. Harold, MD, MACC</i>
8:00 – 8:10 AM	California ACC Welcome Address <i>Jamal S. Rana, MD, PhD, FACC</i>
8:10 – 8:40 AM	<u>The Ronald G. Victor, MD - Memorial Lecture</u> Cardiology's Biggest Controversy: The Lumen or The Wall? <i>James Forrester, MD, FACC</i>
8:40 – 9:25 AM	<u>Distinguished Lecture</u> An Illustrated History of Modern Cardiology and Cardiac Surgery <i>W. Bruce Fye, MD, MA, MACC</i>

Session I:

Chair:

Atherosclerosis and Dyslipidemia

P.K. Shah, MD, MACC

9:25 – 9:45 AM	What Triggers Inflammation in Atherosclerosis? <i>P. K. Shah, MD, MACC</i>
9:45 – 10:05 AM	Repurposing Colchicine for Atherosclerosis <i>Jean-Claude Tardif, MD, FACC</i>
10:05 – 10:25 AM	Fish Oil: Who Should Get It? <i>Peter Toth, MD, PhD, FACC</i>
10:25 – 10:45 AM	What Diet is Best for Cardiovascular Health? <i>Kim Allan Williams, MD, MACC</i>
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 M. 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 | Terrace, 3rd Floor

Session III:

Controversies in the Treatment of CAD: Expert Views

Chair:

Suhail Dohad, MD, FACC, Michael Mack, MD, FACC,

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

Coronary Physiology Is More Important Than Anatomy to Improve Outcomes

William Fearon, MD, FACC

2:10 – 2:25 PM

Evaluating Coronary Anatomy Is the Best Way to Improve Outcomes

David Newby, MD, PhD, FACC

2:25 – 2:40 PM

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

William Boden, MD, FACC, FAHA, FASPC

2:40 – 2:55 PM

Optimal Management of Left Main Disease in 2021

Gregg Stone, MD, FACC

2:55 – 3:15 PM

A Surgeon's Perspective: Are We Underusing CABG?

Joanna Chikwe, MD, FACC

3:15 – 3:30 PM

Break & Visit Exhibits

Session IV:

Structural Heart Disease

Chair:

Raj Makkar, MD, FACC

Moderator:

Gregory P. Fontana, MD, FACC

3:30 – 3:45 PM

The Heart Valve Collaboratory

Michael Mack, MD, MACC

3:45 – 4:00 PM

Durability of Transcatheter Heart Valves – Has the Dust Settled?

Michael Reardon, MD, FACC

4:00 – 4:15 PM

Tricuspid Regurgitation: How Important Is It, How to Quantify and Role of Surgery

Jeroen Bax, MD, PhD

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

Opening Presentation:

Jubin Joseph, MD, PhD

Discussants:

Tarun Chakravarty, MD, FACC

Michele Hamilton, MD

Michael Mack, MD, MACC

Jignesh Patel, MD, PhD, FACC,

Michael Reardon, MD, 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

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

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December 2-3, 2021 ♦ The Maybourne Beverly Hills

Friday, December 3, 2021

- 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*
- 8:00 – 8:25 AM **Device-Detected Atrial Fibrillation: NOAC or Not? (5 min Q&A)**
Roopinder Sandhu, MD MPH
- 8:25 – 8:50 AM **Clinical Pearls for P.O.T.S. (Postural Orthostatic Tachycardia Syndrome) (5 min Q&A)**
Peng-Sheng Chen, MD, FACC
- 8:50 – 9:30 AM **Debate: The Future of Primary Prevention ICDs**
• **Will Only Benefit Patients with EF <35% (10 min)**
Eric C. Stecker, MD, MPH, FACC
• **Will Have the Most Impact in Patients with EF >35% (10 min)**
Sumeet Chugh, MD, FACC
• **Rebuttal and Discussion (20 min)**
- 9:30 – 10:00 AM **Break & Visit Exhibits**

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- 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 – 10:28 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
- 10:28 – 10:42 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
- 10:42 – 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
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Session VIII:

Chair:

Discussants:

Update on Practice-Changing CV Trials of 2021

Sanjay Kaul, MD, MPH, FACC

George Bakris, MD, MA, Raj Makkar, MD, FACC,

Steven E. 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 | Terrace, 3rd Floor

The lunch panel 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

Ronald P. Karlsberg, MD, FACC

Harlan M. Krumholz, MD, SM, FACC

James Laur, JD

John Mandrola, MD, FACC

Jeffrey Popma, MD

Michael Reardon, MD, FACC

Larry Wood

1:00 -1:20 PM

Keynote Lecture

How Should We Define and Achieve Equity in Health Care?

Harlan M. 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**
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**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