



DEC. 6 - 8 | Omni Shoreham, Washington, DC

## Friday, Dec. 6

7:45 - 8 a.m.

### Introductions

Cathleen C. Gates

Chief Executive Officer, American College of Cardiology

Cathleen Biga, MSN, FACC

President, American College of Cardiology

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## Arterial Disease – Diagnostic and Management Challenges in 2025

### Session I: Evolving New Frontiers

Chair: Deepak Bhatt, MD, MPH, MBA, FACC

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8 - 8:25 a.m.

### Evolving Imagen-Omics and AI, But Deficiencies in Education and Outcomes: The Paradox of the Decade

Valentin Fuster, MD, PhD, MACC

8:25 - 8:50 a.m.

### Evolving Approaches For a Full Evaluation and Management of Plaques: Anatomy, Structure and Function – CTA, OCT, IVUS, FFR/iFR

Gregg Stone, MD, FACC

8:50 - 9:10 a.m.

### Evolving Tools Interpreting and Targeting Vasomotion Dependent Ischemia: Epicardial, Microvasculature, Takotsubo Syndromes – Acetylcholine/Adenosine

Jennifer Tremmel, MD, FACC

9:10 - 9:35 a.m.

### Panel Discussion

Valentin Fuster, MD, PhD, MACC; Gregg Stone, MD, FACC; Jennifer Tremmel, MD, FACC

9:35 - 9:50 a.m.

### Break

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## Arterial Disease – Diagnostic and Management Challenges in 2025

### Session II: Acute Coronary Syndrome

Chair: Roxana Mehran, MD, FACC

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9:50 - 10:15 a.m.

### Evolving Answers to Ten Top Questions in Acute Coronary Syndromes Excluding Antithrombotic Strategies

Deepak Bhatt, MD, MPH, MBA, FACC



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10:15 - 10:40 a.m.

### **Evolving Strategies of Antithrombotic Therapy in 4 Stages of CAD: ACS Post PCI, 1, 6 and 12 Months, Chronic CAD, Post MI LV Dysfunction**

Roxana Mehran, MD, FACC

10:40 - 11 a.m.

### **Evolving Differences in the Management of Acute Coronary Syndromes: The European vs the American Guidelines**

Borja Ibanez, MD, PhD

11 - 11:30 a.m.

### **Panel Discussion**

Deepak Bhatt, MD, MPH, MBA, FACC; Borja Ibanez, MD, PhD; Roxana Mehran, MD, FACC

11:30 a.m. - 1 p.m.

### **Lunch**

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## **Arterial Disease – Diagnostic and Management Challenges in 2025**

### **Session III: Chronic Coronary Disease, Stroke and Pulmonary Embolism**

Chair: Jeffrey Olin, DO, FACC

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1 - 1:25 p.m.

### **Evolution in the Management of Stable Coronary MVD: CABG, PCI, CABG vs PCI, OMT vs CABG/PCI**

Valentin Fuster, MD, PhD, MACC

1:25 - 1:50 p.m.

### **Evolving Advances in Diagnosis and Management of Cerebrovascular Disease: Carotid Disease, Ischemic Stroke and Hemorrhagic Stroke**

Tiffany Powell-Wiley, MD, MPH

1:50 - 2:15 p.m.

### **Evolving Advances in Peripheral Arterial Disease: Diagnostic, Management and Preventive Strategies**

Jeffrey Olin, DO, FACC

2:15 - 2:45 p.m.

### **Panel Discussion**

Valentin Fuster, MD, PhD, MACC; Jeffrey Olin, DO, FACC; Tiffany Powell-Wiley, MD, MPH

2:45 - 3 p.m.

### **Break**



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**Arterial Disease – Diagnostic and Management Challenges in 2025**  
**Session IV: Trends and Challenges of Approaching Prevention – Health Factors**  
Chair: Darren McGuire, MD, FACC

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- 3 - 3:20 p.m.                    **Cardiorespiratory Fitness – Peak O<sub>2</sub>/METs – and Survival: Physical Activity as the Best Investment in Preventive CV Medicine**  
Carl Lavie, MD, FACC
- 3:20 - 3:40 p.m.                **Obesity as a Huge Epidemiological Challenge: From Genetics and Behavior to Bariatric Surgery and Semaglutide**  
Mikhail Kosiborod, MD, FACC
- 3:40 - 4 p.m.                    **Lipid-Modifying Agents as a Continuous Success Development: From Statins to PCSK9 Inhibitors/Inclisiran and ANGPTL3 Inhibitors**  
Robert Rosenson, MD, FACC
- 4 - 4:20 p.m.                    **Diabetic-Modifying Agents in Evolution: From Metformin to SGLT2 Inhibitors, GLP1 Receptor Agonists and Beyond**  
Darren McGuire, MD, FACC
- 4:20 - 4:40 p.m.                **Hypertension as Number One Killer of CVD Seems to be Neglected: An Obsession on BP Levels, But Not in Identifying and Following the Affected**  
Franz Messerli, MD, FACC
- 4:40 - 5 p.m.                    **Panel Discussion**  
Mikhail Kosiborod, MD, FACC; Carl Lavie, MD, FACC; Darren McGuire, MD, FACC; Franz Messerli, MD, FACC; Robert Rosenson, MD, FACC
- 5 p.m.                              **Adjournment**



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## Saturday, Dec. 7

### Cardio-Pulmonary and Electrical Failure Evolving Challenges in 2025 Session V: Myocardial Disease and Heart Failure; Basis for Management

Chair: Biykem Bozkurt, MD, PhD, FACC

8 - 8:20 a.m.

#### **Evolving Imaging Approaches (MRI, PET) For 7 Myocardial Diseases, and Diagnostic and Prognostic Implications: Myocarditis, DCM, HCM, NCLV, Amyloid CM, Sarcoid and Takotsubo**

Amit Patel, MD

8:20 - 8:40 a.m.

#### **Evolving Clinical Genetics and Omics in 7 Myocardial Diseases: Which Subgroup or When Should be Gene Tested?**

Amy Kontorovich, MD, FACC

8:40 - 9 a.m.

#### **Evolving Pharmacology For HF<sub>r</sub>EF vs HF<sub>i</sub>EF vs HF<sub>p</sub>EF Phenotypes: Role of Beta-Blockers, ARNI, SGLT2 I & MRAs in the Three Entities**

Scott Solomon, MD, FACC

9 - 9:20 a.m.

#### **Evolving Pharmacology For HF<sub>r</sub>EF vs HF<sub>i</sub>EF vs HF<sub>p</sub>EF Phenotypes: Role in Advanced Chronic Kidney Disease and/or Diabetes**

Biykem Bozkurt, MD, PhD, FACC

9:20 - 9:40 a.m.

#### **Evolving Approaches to Three Challenging Myocardial Diseases: Myocarditis, AL/TTR Amyloid and NCLV**

Mathew Maurer, MD, FACC

9:40 - 10 a.m.

#### **Evolving Assist Devices and Transplantation Approaches: Use of LVADs vs Impella vs ECMO and/or Donor Developments**

Sean Pinney, MD, FACC

10 - 10:30 a.m.

#### **Panel Discussion**

Biykem Bozkurt, MD, PhD; Amy Kontorovich, MD, FACC; Mathew Maurer, MD, FACC; Amit Patel, MD; FACC; Sean Pinney, MD, FACC; Scott Solomon, MD, FACC

10:30 - 10:45 a.m.

#### **Break**



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**Cardio-Pulmonary and Electrical Failure Evolving Challenges in 2025**  
**Session VI: Rhythm Disorders, Contemporary and Future Topics of Focus**  
Chair: David Callans, MD, FACC

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- 10:45 - 11:05 a.m.      **Atrial Fibrillation – Evolving Clinical Challenges With Quality of Life & Preventing Stroke: Last Year Developments**  
Valentin Fuster, MD, PhD, MACC
- 11:05 - 11:20 a.m.      **Atrial Fibrillation – Evolving Ablation Tools and LAA Closure: Who, When, How, and Long-Term Results**  
Vivek Reddy, MD
- 11:20 - 11:35 a.m.      **Vasovagal Syncope and POTS: Cardio-Neuroablation and Evolving Therapies**  
Gaurav Upadhyay, MD, FACC
- 11:35- 11:50 a.m.      **Ventricular Tachycardia – Catheter Ablation: Who, When, How, and Long-Term Results**  
David Callans, MD, FACC
- 11:50 a.m. - 12:05 p.m.      **Follow Up of Three Device Therapeutic Approaches: CRTs, Subcutaneous ICDs, Leadless Pacemakers: Who, When, How, and Long-Term Results**  
Mikhael El-Chami, MD, FACC
- 12:05 - 12:30 p.m.      **Panel Discussion**  
Valentin Fuster, MD, PhD, MACC; Michael Gold, MD, PhD; Francis Marchlinski, MD, FACC; Vivek Reddy, MD; Gaurav Upadhyay, MD, FACC
- 12:30 - 2 p.m.      **Lunch**

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**Valvular Heart Disease, Aorta & HCM – Challenges in 2025**  
**Session VII: Management of Aortic Valve Disease and Aorta**  
Chair: Rebecca Hahn, MD, FACC

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- 2 - 2:20 p.m.      **The Ten Major Advances in Structural Heart Disease in 2024**  
Samin Sharma, MBBS, FACC



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2:20 – 3 p.m.

## **Aortic Valvular Disease: The Five Diagnostic and Management Challenges**

Presenter: Martin B. Leon, MD, FACC  
Discussants: David Adams, MD, FACC; Robert Bonow, MD, MACC; Ismail El-Hamamsy, MD, PhD; Rebecca Hahn, MD, FACC; Samin Sharma, MBBS, FACC; Steve Ommen, MD, FACC

3 – 3:25 p.m.

## **The Dilated Thoracic and Abdominal Aorta: The Ten Diagnostic and Management Challenges**

Presenter: Valentin Fuster, MD, PhD, MACE  
Discussant: Ismail El-Hamamsy, MD, PhD

3:25 – 3:40 p.m.

## **Break**

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## **Valvular Heart Disease, Aorta & HCM – Challenges in 2025 Session VIII: Management of Mitral Regurgitation, Tricuspid Regurgitation and Hypertrophic Cardiomyopathy**

Chair: David Adams, MD, FACC

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3:40 – 4:15 p.m.

## **Mitral Regurgitation: The Five Diagnostic and Management Challenges**

Presenter: Robert Bonow, MD, MACC  
Discussants: David Adams, MD, FACC; Ismail El-Hamamsy, MD, PhD; Rebecca Hahn, MD, FACC; Martin Leon, MD, FACC; Steve Ommen, MD, FACC; Samin Sharma, MBBS, FACC

4:15 – 4:35 p.m.

## **Tricuspid Regurgitation: The Five Diagnostic and Management Challenges**

Presenter: Rebecca Hahn, MD, FACC  
Discussants: David Adams, MD, FACC; Robert Bonow, MD, MACC; Ismail El-Hamamsy, MD, PhD; Martin Leon, MD, FACC; Steve Ommen, MD, FACC; Samin Sharma, MBBS, FACC

4:35 – 5 p.m.

## **Hypertrophic Cardiomyopathy: Five Challenging Questions – Genetic/Acquired, Mavacamtem, Myectomy, Apical, Sudden Death Genetic/Acquired, Mavacamtem, Myectomy, Apical and Sudden Death**

Steve Ommen, MD, FACC

5 p.m.

## **Adjournment**



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## Sunday, Dec. 8

### Ten Highlights of Progress in 2024 & Challenges of the Decade

#### Session IX: Novelties on Pharmacology, Clinical and Epidemiological CV Science

Chair: Valentin Fuster, MD, PhD, MAACC

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|--------------------|---|
| 8 - 8:20 a.m.      | <b>RNA and Genes: A Perspective of RNA Related Therapies and Gene Editing</b><br>Amit Khera, MD, MSc  |
| 8:20 - 8:40 a.m.   | <b>AI in CVD: Positives and Limitations in Diagnosis and Management</b><br>Eric Topol, MD   |
| 8:40 - 9 a.m.      | <b>Heart and Brain: Risk Factors Linking Earlier Subclinical Arterial Disease and Later Microvascular Degenerative Brain Disease and Alzheimer</b><br>Marta Cortes-Canteli, PhD |
| 9 - 9:20 a.m.      | <b>Cardio-Oncology: Immune Checkpoint Therapies – A Challenge in Both Fields</b><br>Bonnie Ky, MD, FACC   |
| 9:20 - 9:40 a.m.   | <b>Infective Endocarditis: New Challenges in the Diagnosis and Management</b><br>Larry Baddour, MD  |
| 9:40 - 10 a.m.     | <b>Pulmonary Emboli: Evolving Advances in Management</b><br>Gregory Piazza, MD, MS, FACC  |
| 10 - 10:20 a.m.    | <b>Mitral Valve Prolapse and VT: An Alarm System For Diagnosis and Management</b><br>David Adams, MD, FACC; Marc Miller, MD   |
| 10:20 - 10:40 a.m. | <b>Myocardial Infarction and Mechanical Complications: Evolving Approaches</b><br>Pedro Moreno, MD, FACC  |
| 10:40 - 11 a.m.    | <b>Environment and Pollution: A CV Challenge on Responsibly</b><br>Sanjay Rajalopalan, MD, MBA, FACC  |



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11 - 11:30 a.m.

**Primordial Prevention: A CV Challenge on Health Education**

Valentin Fuster, MD, PhD, MACC

11:30 a.m.

Adjourn