

# New York Cardiovascular Symposium

**VIRTUAL**



**Course Director**  
Valentin Fuster,  
MD, PhD, MACC

**SATURDAY, DECEMBER 11 – SUNDAY, DECEMBER 12, 2021**

## SATURDAY, DECEMBER 11, 2021

**7:50 a.m.** New York Cardiovascular Symposium 2021 Welcome Video

### Cardiovascular & Coronary Artery Disease – Challenges in 2021

#### Session I: Evolving New Frontiers of Imaging Ready for Practice

Chair: *Dipti Itchhaporia, MD, FACC*

**7:55 a.m. –** Introduction of Faculty

**8:00 a.m.** *Dipti Itchhaporia, MD, FACC*

**8:00 a.m. –** New Non-Invasive Imaging & Cumulative Risk Exposure from Age 18 to 55 Predicting Subclinical CVD, CV Events & Cognitive Dysfunction

**8:25 a.m.** *Valentin Fuster, MD, PhD, MACC  
New York, NY*

**8:25 a.m. –** New CTA Imaging Approach for a Full Assessment of Coronary Disease  
**8:45 a.m.** Plaque Anatomy, Characteristics & Ischemia – SYNTAX II Risk Score

*Patrick W. Serruys, MD, FACC  
Rotterdam, Netherlands*

**8:45 a.m. –** New Non-Invasive Imaging in Coronary Disease  
**9:05 a.m.** PET as Predicting Activity and Outcomes

*Marc Dweck MB ChB, PhD, FACC  
Edinburgh, UK*

**9:05 a.m. –** New 3-Dimensional Ultrafast Cardiac MRI in < 1 Minute Acquisition Time  
**9:20 a.m.** From Experimental to Clinical Validation

*Borja Ibanez, MD  
Madrid, Spain*

**9:20 a.m. –** Panel Discussion

**9:45 a.m.** *Drs. Dweck, Fuster, Ibanez and Serruys*

**9:45 a.m. –**

**10:05 a.m.** Break

### Session II: Acute Coronary Syndrome Advances

Chair: *Roxana Mehran, MD, FACC*

**10:05 a.m. –** Introduction of Faculty

**10:08 a.m.** *Roxana Mehran, MD, FACC*

**10:08 a.m. –** STEMI – Pathophysiological & Clinical Advances in 2021  
**10:33 a.m.** European vs. American Guidelines 2020

*Borja Ibanez, MD  
Madrid, Spain*

**10:33 a.m. –** NON-STEMI – Pathophysiological & Clinical Advances in 2021  
**10:58 a.m.** European vs. American Guidelines 2020

*Jean-Phillippe Collet, MD, PhD  
Paris, France*

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Saturday, December 11, 2021 (continued)	
10:58 a.m. – 11:23 a.m.	<b>The Two Evolving Strategies of Antithrombotics in Coronary Disease: Early Post PCI Monotherapy &amp; Native Disease Dual-Therapy</b> <i>Roxana Mehran, MD, FACC</i> New York, NY
11:23 a.m. – 11:48 a.m.	<b>Findings from the North American COVID-19 of STEMI Registry Risk Stratification, Demographics &amp; Clinical Characteristics</b> <i>Santiago Garcia, MD, FACC</i> Minneapolis, MN
11:48 a.m. – 12:13 p.m.	<b>Panel Discussion</b> <i>Drs. Collet, Garcia, Ibanez, Mehran</i>
12.15 p.m. – 1:00 p.m.	<b>Break</b>
Session III: Chronic Coronary Disease, Stroke and Pulmonary Embolism	
Chair: <i>Judith S. Hochman, MD, FACC</i>	
1:00 p.m. – 1:03 p.m.	<b>Introduction of Faculty</b> <i>Judith S. Hochman, MD, FACC</i>
1:03 p.m. – 1:33 p.m.	<b>New Advances in the Evaluation of Stable Coronary Multivessel Disease Five Variables – Clinical, Anatomy, LVEF, Ischemia, Microcirculation Three Approaches of Managements – PCI vs. CABG vs. OMT</b> <i>Valentin Fuster, MD, PhD, MACC</i> New York, NY
1:33 p.m. – 1:57 p.m.	<b>New Evolving Challenges as A Result of the ISCHEMIA Trial Approaches to the Sizable Excluded Patients? Predictions at 10 Years?</b> <i>Judith S. Hochman, MD, FACC</i> New York, NY
1:57 p.m. – 2:23 p.m.	<b>New Approaches to Angina Associated with Non-Obstructive Coronary Disease: Epicardial Spasm, INOCA &amp; the Microcirculation</b> <i>Filippo Crea, MD, PhD</i> Rome, Italy
2:23 p.m. – 2:48 p.m.	<b>New Guidelines on Ischemic Strokes &amp; Cerebral Hemorrhage Acute Management vs. Primary &amp; Secondary Prevention</b> <i>Hugo Aparicio, MD, MPH</i> Boston, MA
2:48 p.m. – 3:13 p.m.	<b>New Developments in DVT &amp; Pulmonary Emboli Evaluation, Prevention &amp; Management</b> <i>Samuel Z. Goldhaber, MD, FACC</i> Boston, MA
3:13 p.m. – 3:38 p.m.	<b>Panel Discussion</b> <i>Drs. Aparicio, Crea, Fuster, Goldhaber, and Hochman</i>
3:38 p.m. – 3:57 p.m.	<b>Break</b>

\* All times are Eastern Standard Time

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<b>Saturday, December 11, 2021 (continued)</b>	
<b>Session IV: Trends and Challenges of Approaching Prevention – Health Factors</b> Chair: <i>Neil J. Stone, MD, FACC</i>	
<b>3:57 p.m. – 4:00 p.m.</b>	<b>Introduction of Faculty</b> <i>by Neil J. Stone, MD, FACC</i>
<b>4:00 p.m. – 4:25 p.m.</b>	<b>Obesity – From Genetics &amp; Behavior to Pharmacotherapy &amp; Bariatric Surgery</b> <i>W. Timothy Garvey, MD Birmingham, AL</i>
<b>4:25 p.m. – 4:50 p.m.</b>	<b>Lipid-Modifying Agents – From Statins to PCSK9 Inhibitors &amp; Beyond</b> <i>Neil J. Stone, MD, FACC Chicago, IL</i>
<b>4:50 p.m. – 5:15 p.m.</b>	<b>Diabetic Agents – From Metformin to SGLT2 Inhibitors &amp; GLP1 Receptor Agonists</b> <i>David Preiss, MD, ChB, PhD Oxford, UK</i>
<b>5:15 p.m. – 5:40 p.m.</b>	<b>Hypertension / Early HF – From B-Blockers to RAASi &amp; ARNI &amp; Beyond</b> <i>Michael E. Hall, MD, FACC Madison, MS</i>
<b>5:40 p.m. – 6:05 p.m.</b>	<b>Challenges on Prevention – From the Individual / Patient to Global Health</b> <i>Valentin Fuster, MD, PhD, MACC New York, NY</i>
<b>6:05 p.m.</b>	<b>Adjournment</b>
<b>SUNDAY, DECEMBER 12, 2021</b>	
<b>Cardio-Pulmonary and Electrical Failure 2021</b> <b>Session V: Myocardial Disease and Heart Failure; Basis for Management</b> Chair: <i>Clyde Yancy, MD, MACC</i>	
<b>8:00 a.m. – 8:03 a.m.</b>	<b>Introduction of Faculty</b> <i>Clyde Yancy, MD, MACC</i>
<b>8:03 a.m. – 8:23 a.m.</b>	<b>Evolving Imaging (MRI, PET) for 7 Myocardial Diseases: Myocarditis, DCM, HCM, NCLV, Amyloid CM, Sarcoid &amp; Takotsubo Diagnostic &amp; Prognostic Tools</b> <i>Y. S. Chandrashekar, MD, FACC Minneapolis, MN</i>
<b>8:23 a.m. – 8:43 a.m.</b>	<b>Evolving Clinical Genetics &amp; Omics in 7 Myocardial Diseases Which Subgroup or When Should Be Gene Tested</b> <i>Amy Kontorovich, MD, FACC New York, NY</i>

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<b>Sunday, December 12, 2021 (continued)</b>	
<b>8:43 a.m. – 9:03 a.m.</b>	<b>Evolving Understanding of HF<sub>r</sub>EF vs. HF<sub>i</sub>EF vs. HF<sub>p</sub>EF Phenotypes Therapeutic Role of ARNIs &amp; SGLT2 Inhibitors in the 3 Entities</b> <i>Clyde W. Yancy, MD, MACC Chicago, IL</i>
<b>9:03 a.m. – 9:23 a.m.</b>	<b>Evolving Therapeutic Approaches to 4 Challenging Cardiomyopathies: Myocarditis &amp; COVID 19, Takotsubo, AL/TTR Amyloid and NCLV</b> <i>Mathew S. Maurer, MD, FACC New York, NY</i>
<b>9:23 a.m. – 9:43 a.m.</b>	<b>Assist Devices in Cardiac Decompensation – The 2 Challenges:</b> <b>1. LVAD Indications: Not too Early Since Risks are High, but Not too Late, 2. Assist Devices in the Acute Decompensation – Impella vs. ECMO</b> <i>Sean P. Pinney, MD, FACC Chicago, IL</i>
<b>9:43 a.m. – 10:08 a.m.</b>	<b>Panel Discussion</b> <i>Drs. Chandrashekhar, Kontorovich, Maurer, Pinney and Yancy</i>
<b>10:08 a.m. – 10:30 a.m.</b>	<b>Break</b>
<b>Session VI: Rhythm Disorders, Contemporary and Future Topics of Focus</b>	
<i>Chair: Anne B. Curtis, MD, FACC</i>	
<b>10:30 a.m. – 10:34 a.m.</b>	<b>Introduction of Faculty</b> <i>Anne B. Curtis, MD, FACC</i>
<b>10:35 a.m. – 11:00 a.m.</b>	<b>Atrial Fibrillation 2021 – 14 Clinical Challenges: Quality of Life &amp; Preventing Stroke</b> <i>Valentin Fuster, MD, PhD, MACC New York, NY</i>
<b>11:00 a.m. – 11:25 a.m.</b>	<b>Atrial Fibrillation – Catheter Ablation: Who?, When ?, How?, Results? (CABANA, EAST &amp; Others).</b> <i>Vivek Y. Reddy, MD New York, NY</i>
<b>11:25 a.m. – 11:45 a.m.</b>	<b>Atrial Fibrillation – Left Atrial Appendage Closure: Who?, When?, How?, Results?</b> <i>Horst Sievert, MD Frankfurt, Germany</i>
<b>11:45 a.m. – 12:10 p.m.</b>	<b>Ventricular Tachycardia – Catheter Ablation: Who?, When ?, How?, Results?</b> <i>Karl-Heinz Kuck, MD, FACC Hamburg, Germany</i>
<b>12:10 p.m. – 12:35 p.m.</b>	<b>Three Device Therapeutic Approaches: CRTs Strict Indications, Subcutaneous ICDs, Leadless Pacemakers, Follow-up Observations</b> <i>Anne B. Curtis, MD, FACC Buffalo, NY</i>

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<b>12:35 p.m. – 1:00 pm</b>	<b>Panel Discussion</b> <i>Drs. Curtis, Dukkipati, Fuster, Kuck and Sievert</i>
<b>1:00 p.m. – 1: 55 p.m.</b>	<b>Break</b>
<b>Valvular Heart Disease and Aorta – Challenges in 2021</b> <b>Session VII: Management of Aortic Valve Disease and Aorta</b> <i>Chair: Rick A. Nishimura, MD, MACC</i>	
<b>1:55 p.m. – 2:00 p.m.</b>	<b>Introduction of Faculty</b> <i>Rick A. Nishimura, MD, MACC</i>
<b>2:00 p.m. – 2:20 p.m.</b>	<b>The Ten Major Advances in Structural Heart Disease in 2021</b> <i>Samin K. Sharma, MBBS, FACC</i> <i>New York, NY</i>
<b>2:20 p.m. – 2:50 p.m.</b>	<b>Aortic Valvular Stenosis: 3 Diagnostic and Management Challenges</b> <ul style="list-style-type: none"> <li>• Congenital Bicuspid vs. Senile,</li> <li>• Asymptomatic vs. Symptomatic,</li> <li>• Low Flow/Low Gradient: CM 2ary to AS vs. Dilated or Restrictive</li> </ul> <i>Robert O. Bonow, MD, MACC</i> <i>Chicago, IL</i> <b>Critical Commentary (15 minutes)</b> <i>Drs. David H. Adams, Josep Rodes-Cabau, Samin K. Sharma and Gregg W. Stone</i>
<b>2:50 p.m. – 3:20 p.m.</b>	<b>Aortic Regurgitation: 3 Diagnostic and Management Challenges</b> <ul style="list-style-type: none"> <li>• Associated or Not Dilatation of the Aorta</li> <li>• Asymptomatic vs. Symptomatic</li> <li>• EF Low/Intermediate vs. Normal</li> </ul> <i>Rick A. Nishimura, MD, MACC</i> <i>Rochester, MN</i> <b>Critical Commentary: (15 minutes)</b> <i>Drs. David H. Adams, Robert O. Bonow, Josep Rodes-Cabau, Samin K. Sharma, and Gregg W. Stone</i>
<b>3:20 p.m. – 3:50 p.m.</b>	<b>The Dilated Thoracic &amp; Abdominal Aorta and Complicating Dissection</b> <b>Evolving Understanding of the Basic Biology &amp; Management</b> <i>Valentin Fuster, MD, PhD, MACC</i> <i>New York, NY</i> <b>Critical Commentary: (15 minutes)</b> <i>Ismail El-Hamamsy, MD, PhD</i> <i>New York, NY</i>
<b>3:50 p.m. – 3:58 p.m.</b>	<b>Break</b>

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Sunday, December 12, 2021 (continued)	
Session VIII: Management of Mitral Regurgitation, Tricuspid Regurgitation and Hypertrophic Cardiomyopathy	
Chair: David H. Adams, MD, FACC	
3:58 p.m. – 4:00 p.m.	<b>Introduction of Faculty</b> <i>David H. Adams, MD, FACC</i>
4:00 p.m. – 4:30 p.m.	<b>Mitral Regurgitation: 3 Diagnostic and Management Challenges</b> <ul style="list-style-type: none"> <li>• Primary vs. Secondary</li> <li>• Asymptomatic vs. Symptomatic</li> <li>• EF Low/Intermediate vs. Normal</li> </ul> <p><i>Gregg W. Stone, MD, FACC</i> <i>New York, NY</i></p> <p><b>Critical Commentary: (15 minutes)</b> <i>Drs. Robert O. Bonow, Rick A. Nishimura, Josep Rodes-Cabau, Samin K. Sharma</i></p>
4:30 p.m. – 5:00 p.m.	<b>Tricuspid Regurgitation: 3 Diagnostic and Management Challenges</b> <ul style="list-style-type: none"> <li>• Primary vs Secondary to Pulmonary Hypertension</li> <li>• Residual from Previous Left Sided Valvular Surgery or Not</li> <li>• Symptomatic with RVEF Low/Intermediate vs. Normal</li> </ul> <p><i>Josep Rodes-Cabau, MD</i> <i>Quebec, Canada</i></p> <p><b>Critical Commentary (15 minutes)</b> <i>Drs. Robert O. Bonow, Rick A. Nishimura, Samin K. Sharma and Gregg W. Stone</i></p>
5:00 p.m. – 5:30 p.m.	<b>Hypertrophic Cardiomyopathy – 5 Challenging Questions</b> <b>Genetics/Acquired, Myectomy Types, CD, Apical/Aneurysm</b> <i>Rick A. Nishimura, MD, MACC</i> <i>Rochester, MN</i>
5:30 p.m. – 5:42 p.m.	<b>Characterization of Arrhythmic Mitral Valve Prolapse</b> <i>Marc A. Miller, MD</i> <i>New York, NY</i>
5:42 p.m. – 5:54 p.m.	<b>Surgical Strategies to Reduce the Risk of Sudden Death</b> <i>David H. Adams, MD, FACC</i> <i>New York, NY</i>
5:54 p.m. – 6:00 p.m.	<b>Panel Discussion</b> <i>Drs. Adams, Bonow, Miller, Nishimura, Rodes-Cabau, Sharma and Stone</i>
6:00 p.m.	<b>Adjournment</b>