
Thursday, December 7

2:30 p.m. - 6:30 p.m. **Registration – Rhineland (2nd Floor)**

Friday, December 8

6:00 a.m. **Registration – Rhineland (2nd Floor)**
Continental Breakfast – America's Hall

Introductions

7:15 a.m. **Shalom Jacobovitz**
Chief Executive Officer
American College of Cardiology

Mary Norine Walsh, MD, FACC
President
American College of Cardiology

Timothy Malins, MD, FACC
Governor, New York Chapter, American College of Cardiology
President, New York Cardiological Society

Cardiovascular and Coronary Artery Disease — Challenges in 2017

Session I: New Frontiers

Dr. Bhatt, Presiding

7:30 a.m. **Vascular 3D-Ultrasound in Subclinical Systemic Disease: 12,000 Subjects**
Feasible, Predictable, Preventable, Futurable
Dr. Fuster

8:00 a.m. **Intravascular Optical Coherence Tomography in Clinical CAD: 1,400 Patients**
Feasibility, Predictability, Preventability, Futurability
Dr. Jang

8:25 a.m. **Genomics in Myocardial and Structural Heart Disease**
From Generic to a Personalized Cardiovascular Approach
Dr. Seidman

8:50 a.m. **Panel Discussion**
Drs. Fuster, Jang and Seidman

9:20 a.m. **Coffee Break – America's Hall**

Session II: Acute Coronary Syndromes

Dr. Levine, Presiding

- 9:40 a.m.** **STEMI 1: Timing, Mechanical Type and Pharmacology of Reperfusion**
The Three Main Challenges to Decrease Infarct Size and Increase Viability
Dr. Ibáñez
- 10:05 a.m.** **STEMI 2: PCI of Culprit Lesion Alone vs. FFR Guided Complete Revascularization**
Effects on Hard End Points, MACE and Cost Effectiveness
Dr. Bhatt
- 10:30 a.m.** **STEMI vs. NSTEMI vs. STABLE CAD: Post PCI Optimal DAPT Duration**
Scoring the Complexity of Stenting and Disease
Dr. Yeh
- 10:55 a.m.** **STEMI vs. NSTEMI vs. STABLE CAD: Five Challenging Cases**
Five Challenging Antithrombotic Approaches
Dr. Levine
- 11:20 a.m.** **Panel Discussion**
Drs. Bhatt, Ibanez, Levine and Yeh
- 12:00 p.m.** **Lunch – America’s Hall**

Session III: Systemic Arterial Disease – Chronic Coronary Disease, Stroke and Pulmonary Embolism

Dr. Douglas, Presiding

- 1:00 p.m.** **Chest Pain Evaluation: Possible vs. Probable CAD**
No Test, Stress Test or CT Angio?
Dr. Douglas
- 1:20 p.m.** **Complex Stable CAD: Evolving Evaluation and Management Strategies**
Evaluate: Anatomy (SYNTAX), Ischemia (IFR), Microcirculation (CT, MRI)
Manage: Optimal Medical Therapy (OMT), PCI (Stents), CABG (IMA)
Dr. Fuster
- 1:45 p.m.** **Acute Ischemic Stroke and Chronic Carotid Artery Stenosis**
Two Entities with Novel Approaches
Dr. Brott
- 2:05 p.m.** **Pulmonary Emboli: Diagnosis Based on Suspicion and Management in 2017**
Based on the Acute Severity and Degree of Chronic PH
Dr. Piazza
- 2:25 p.m.** **Panel Discussion**
Drs. Brott, Douglas, Fuster and Piazza
- 2:55 p.m.** **Coffee Break – America’s Hall**

Session IV: Trends and Challenges of Approaching Prevention

Dr. Rader, Presiding

- 3:15 p.m.** **Aspirin in Primary and Secondary Cardiovascular Disease Prevention:
Still Four Questions**
About Enteric Coated, Indicated Doses, Use in Diabetes, Use in PVD
Dr. Patrono
- 3:35 p.m.** **Lipid Evaluation and Management: Four Evolving “Advances”**
Familial LDL-C, ApoB, HDL Efflux Capacity and PCSK9 Inhibitors
Dr. Rader
- 4:00 p.m.** **Hypertension (HBP) Evaluation and Management: Three Challenges**
Identify Those with HBP, Reduce Salt (Amount?) and Personalize BP Target
Dr. Spatz
- 4:25 p.m.** **Diabetes and Obesity: The Four “Hot Spots”**
Mechanisms of Diabetes, New Agents for Macrovascular Diabetes
Weight vs. Obesity in AF, Bariatric Surgery
Dr. Fuster
- 4:50 p.m.** **Panel Discussion**
Drs. Fuster, Patrono, Rader and Spatz
- 5:30 p.m.** **Adjournment**

Saturday, December 9

- 6:15 a.m.** **Registration – Rhinelander (2nd Floor)**
Continental Breakfast – America’s Hall

Cardio-Pulmonary and Electrical Failure 2017

Session V: Systolic Heart Failure and Basis for Management

Dr. Mann, Presiding

- 7:00 a.m.** **Imaging (Echo, MRI, PET) as Diagnostic and Prognostic Tools**
For Seven Cardiomyopathies: Myocarditis, Dilated CM, Hypertrophic CM,
Noncompaction LV, Amyloid CM, Sarcoid and Takotsubo
Dr. Bonow
- 7:25 a.m.** **Therapeutic Approaches to Three Specific Cardiomyopathies**
Acute/Subacute Myocarditis, AL/TTR Amyloid, Non-compaction LV
Dr. Dec
- 7:50 a.m.** **Systolic and Diastolic Dysfunction:**
Three Upcoming Challenges Promoting Early Detection
HFrEF: Beyond Nephilysin/Enalapril
HFmrEF: What Is It and How Does One Manage It?
HFpEF: Etiopathogenetic Role and Impact of Comorbidities
Dr. Mann

- 8:20 a.m.** **Advanced Heart Failure – The Three Upcoming Challenges**
Acute Heart Failure: Is It a Disease that Can Be Treated?
Comorbidities in Heart Failure: Emerging Positive Signals
End Stage Heart Failure: Are We Doing Better?
Dr. O'Connor
- 8:45 a.m.** **State-of-the-Art Management of Pulmonary Hypertension**
Monitoring and Approach of the Three Main Etiopathogenesis
L-Sided Failure, Pulmonary Arterial Hypertension, Thromboembolic
Dr. Gomberg-Maitland
- 9:10 a.m.** **Panel Discussion**
Drs. Bonow, Dec, Gomberg-Maitland, Mann and O'Connor
- 9:40 a.m.** **Coffee Break – America's Hall**

Session VI: Rhythm Disorders, Contemporary and Future Topics of Focus

Dr. Reddy, Presiding

- 10:00 a.m.** **Innovations in Device Therapies: Three Approaches**
CRTs, the Right Indications, Subcutaneous ICDs, Leadless Pacemakers
Dr. Wilber
- 10:25 a.m.** **Ventricular Tachycardia: Catheter Ablation – Four Questions**
Who? When? How? Results?
Dr. Reddy
- 10:50 a.m.** **Atrial Fibrillation: Catheter Ablation – Four Questions**
Who? When? How? Results?
Dr. Marchlinski
- 11:15 a.m.** **Left Atrial Appendage Closure: Four Questions**
Who? When? How? Results?
Dr. Holmes
- 11:40 a.m.** **Atrial Fibrillation 2017: The Fourteen Non-ablation Clinical Challenges**
Quality of Life and Preventing Stroke
Dr. Fuster
- 12:00 p.m.** **Panel Discussion**
Drs. Fuster, Holmes, Marchlinski, Reddy and Wilber
- 12:30 p.m.** **Lunch – America's Hall**

Session VII: Valvular Heart Disease and Aorta – Challenges in 2017

Management of Aortic Valve Disease and Aorta

Dr. O'Gara, Presiding

- 1:30 p.m.** **Aortic Valvular Stenosis: How to Assess the Four Variables for Management**

Low Flow / Low Gradient / Normal EF / Low EF

Dr. O’Gara

1:50 p.m. Severe Aortic Valvular Disease: TAVR in Four Ages and Four Etiologies
Age 25 y/o Congenital, 50 y/o Bicuspid, 75 y/o Rheumatic, 100 y/o Degenerative
Drs. Adams, Nishimura and Sharma

2:20 p.m. The Dilated Thoracic and Abdominal Aorta and Complicating Dissection
Evolving Understanding of the Basic Biology and Management
Dr. Fuster

2:45 p.m. Panel Discussion
Drs. Adams, Fuster, O’Gara, Nishimura and Sharma

3:15 p.m. Coffee Break – America’s Hall

Session VIII: Management of Mitral Regurgitation and Hypertrophic Cardiomyopathy

Dr. Adams, Presiding

3:35 p.m. Significant Mitral Regurgitation (EF, LVEdD, PH or AF): Five Challenges
Two Etiologies (Primary, Secondary), Three Approaches (Medical, Clipping, Surgical)
Drs. Adams, Bonow and Sharma

4:05 p.m. Transcatheter Replacement for Mitral and Tricuspid Regurgitation
Evolving Approaches Under Investigation
Dr. Rodés-Cabau

4:30 p.m. Hypertrophic Cardiomyopathy: Four Challenging Questions
Genetics/Acquired, Myectomy/Three Types, Natural Hx/ICD, Apical/Aneurysm
Dr. Nishimura

4:55 p.m. Panel Discussion
Drs. Adams, Bonow, Nishimura, Rodes-Cabau and Sharma

5:30 p.m. Adjournment

Sunday, December 10

6:45 a.m. Registration – Rhinelander (2nd Floor)
Continental Breakfast – America’s Hall

Year in Review: The Nine Highlights of Progress in 2017

Dr. Fuster, Presiding

Session IX: Novelties on Genetics, Molecular Signaling and Cell Regeneration

7:30 a.m. Part 1: Progress in Genetic Medicine – Genome Editing
A New Understanding of Cardiovascular Physiology, Pathology and Future Therapies
Dr. Musunuru

- 7:55 a.m.** **Part 2: Progress in Molecular Cardiovascular Medicine – MicroRNAs, Proteomics and Metabolomics**
A New Understanding of Cardiovascular Physiology, Pathology and Future Therapies
Dr. Mayr
- 8:20 a.m.** **Part 3: Progress in Myocardial Regeneration – Exosomes and iPCs**
A New Understanding of Cardiovascular Physiology, Pathology and Future Therapies
Dr. Janssens

Section X: Novelties on Diagnostic and Therapeutic Strategies

- 8:45 a.m.** **Part 1: Evolving Progress of Cardiovascular Imaging**
Redefining Its Role in Biomedical Research and Clinical Practice
Dr. Di Carli
- 9:10 a.m.** **Part 2: Evolving Progress of Coronary Interventional Stents**
Bioresorbable Scaffolds – Moving Forward or Backwards?
Dr. Dangas
- 9:35 a.m.** **HENRY RUSSEK LECTURE 2017**
Part 3: The Known and Unknown of Transcatheter Aortic Valve Thrombosis
Dr. Bax
- 10:00 a.m.** **Coffee Break – America's Hall**

Section XI: Aiming at the Future of Medicine

- 10:20 a.m.** **Part 1: The Future of Promoting Health**
Should Children's Education Be the Priority Focus?
Dr. Fuster
- 10:45 a.m.** **Part 2: Evolving Progress of Atherothrombotic Therapies**
Reducing Inflammation to Reduce Cardiovascular Risk: The CANTOS Trial
Dr. Ridker
- 11:15 a.m.** **PAUL DUDLEY WHITE LECTURE 2017**
Part 3: The Future of Personalized Cardiovascular Medicine
A Practical Reality or a Dream Not Economical Feasible?
Dr. Califf
- 11:45 a.m.** **Course Adjournment**