



### Non-Certified Industry Events - Non-Certified Educational Events Session #4505

New TAVR Frontiers – Asymptomatic Severe Aortic Stenosis  
Sunday, March 11, 2018, 5:30 a.m.-7:45 a.m.  
Location TBD  
CME Hours: 0/CNE Hours: 0

### Non-Certified Industry Events - Non-Certified Educational Events Session #4504

Gaining Access to PCSK9 Inhibitors: Unveiling of a New Mobile App  
Sunday, March 11, 2018, 6:00 a.m. - 7:45 a.m.  
Hyatt Regency Orlando, Plaza International Ballroom G  
CME Hours: 0/CNE Hours: 0

6:00 a.m.

A Town Hall Series on Gaining Access to PCSK9 Inhibitors Through Technology  
Seth J. Baum  
Boca Raton, FL

6:00 a.m.

A Town Hall Series on Gaining Access to PCSK9 Inhibitors Through Technology  
Martha Gulati  
Phoenix, AZ

6:00 a.m.

A Town Hall Series on Gaining Access to PCSK9 Inhibitors Through Technology  
Michael D. Shapiro  
Portland, OR

### Special - Events and Meetings

#### Session #5024

##### Early Career Lounge

Sunday, March 11, 2018, 6:30 a.m. - 6:00 p.m.  
Early Career Lounge - Lounge & Learn, Hall C  
CME Hours: /CNE Hours:

3:30 p.m.

Navigating Transitions: Early Career and Beyond

### Special - Events and Meetings

#### Session #5027

##### FIT Lounge

Sunday, March 11, 2018, 6:30 a.m. - 6:00 p.m.  
FIT Lounge - Lounge & Learn, Hall C  
CME Hours: /CNE Hours:

12:30 p.m.

Successful Mentorship: Preparing Tomorrow's Leaders Today

3:30 p.m.

Unity in Diversity; HE for SHE & SHE for SHE

4:30 p.m.

Preventing Burnout and Promoting Wellbeing

### Special - Events and Meetings

#### Session #5013

##### Training Program Administrators, Day 3

Sunday, March 11, 2018, 7:00 a.m. - 12:30 p.m.  
Hyatt Regency Orlando, Plaza International Ballroom D  
CME Hours: /CNE Hours:

7:00 a.m.

Training Program Administrators, Day 3

### Acute and Stable Ischemic Heart Disease - Scientific Session #650

#### Myocardial Ischemia and Non Obstructive Coronary Artery Disease (MINOCA)

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.  
Room 206 A  
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Margo B. Minissian

Co-Chair: Jacqueline E. Tamis-Holland

Panelist: Puja K. Mehta

Panelist: Harmony R. Reynolds

8:00 a.m.

The Syndromes of MINOCA and TINOCA: One Diagnosis Does Not Fit All!  
John F. Beltrame  
Adelaide, Australia

8:15 a.m.

Panel Discussion With ARS

8:27 a.m.

Mechanisms of Infarction: Atherosclerotic vs Non-Atherosclerotic  
C. Noel Bairey Merz  
Los Angeles, CA

8:41 a.m.

Panel Discussion With ARS

8:53 a.m.

FIT Case Presentation Real World Dilemma's in MINOCA  
Christine Pacheco  
Los Angeles, CA

9:01 a.m.

Real World Dilemmas: Diagnosis in a Smaller Hospital Setting.  
Jamieson M. Bourque  
Charlottesville, VA

9:11 a.m.

FIT Case Presentation in Medical Management  
May Bakir  
New York, NY

9:19 a.m.

Real World in Dilemmas in Medical Management  
Eileen M. Handberg  
Gainesville, FL

### Acute and Stable Ischemic Heart Disease - Scientific Session #651

#### The Mad Hatter's Approach to Refractory Angina Management: Debates on Out-of-the Box Therapies

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.  
Room 205 A  
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Marc E. Jolicœur

Co-Chair: Adam Skolnick

8:00 a.m.

Introduction to Format by Co-Chairs

8:02 a.m.

Audience ARS Question: Debate Pre- Poll #1  
Adam Skolnick  
New York, NY



8:04 a.m.

PRO: Coronary Sinus Occlusion Reduces Angina Frequency

Marc E. Jolicœur  
Montreal, Canada

8:13 a.m.

CON: Coronary Sinus Occlusion Is Not Ready for Prime Time

Alice K. Jacobs  
Boston, MA

8:22 a.m.

Audience ARS Question: Debate #1 Post-Poll

Adam Skolnick  
New York, NY

8:24 a.m.

Audience ARS Question: Debate #2 Pre-Poll

Adam Skolnick  
New York, NY

8:26 a.m.

PRO: EECF Reduces Refractory Angina

Rohit R. Arora  
North Chicago, IL

8:35 a.m.

CON: EECF Does Not Significantly Reduce Angina

Sripal Bangalore  
New York, NY

8:44 a.m.

Audience ARS Question: Debate #2 Post-Poll

Adam Skolnick  
New York, NY

8:46 a.m.

Audience ARS Question: Debate #3 Pre-Poll

Adam Skolnick  
New York, NY

8:48 a.m.

Pro: Transmyocardial Laser Myocardial Revascularization Reduces Angina

Adam Skolnick  
New York, NY

8:57 a.m.

CON: Transmyocardial Laser Myocardial Revascularization Is Not Useful for Angina Reduction

Frederick Feit  
New York, NY

9:06 a.m.

Audience ARS Question: Debate #3 Post-Poll

Adam Skolnick  
New York, NY

Audience ARS Question: Debate #4 Pre-Poll

Adam Skolnick  
New York, NY

9:08 a.m.

Pro: Sham Control Trials Are Necessary to Assess the Effectiveness of PCI for Angina Relief

William E. Boden  
Boston, MA

9:17 a.m.

Con: Sham Control Trials Are Necessary to Assess the Effectiveness of PCI for Angina Relief

Sorin J. Brener  
Brooklyn, NY

### Arrhythmias and Clinical EP - Oral Contributions

#### Session #900

#### Highlighted Original Research: Arrhythmias and Clinical EP and the Year in Review

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 314 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jeanne E. Poole

Co-Chair: Jagmeet P. Singh

8:00 a.m.

Year in Review Speaker

David J. Wilber  
Maywood, IL

8:12 a.m.

Non-Invasive Detection of Hyperkalemia With a Smartphone  
Electrocardiogram and Artificial Intelligence

Conner D. Galloway, Alexander V. Valys, Frank L. Petterson, Vivek P. Gundotra, Daniel L. Treiman, David E. Albert, John J. Dillon, Zach I. Attia, Paul A. Friedman, AliveCor Inc., Mountain View, CA, USA, Mayo Clinic, Rochester, MN, USA

8:22 a.m.

Discussion

8:25 a.m.

Incidence of Cancer Treatment-Induced Arrhythmia Associated With Novel Targeted Chemotherapeutic Agents

Andrew Nickel, Mikhael El-Chami, Nabil F. Saba, Angel Leon, Faisal Merchant, Emory University School of Medicine, Atlanta, GA, USA

8:35 a.m.

Discussion

8:38 a.m.

A Comparison of Atrial Fibrillation Monitoring Strategies in Patients at High Risk For Atrial Fibrillation and Stroke: Results From the REVEAL AF Study

James A. Reiffel, Atul Verma, Peter Kowey, Jonathan Halperin, Bernard Gersh, Mitchell S. V. Elkind, Paul Ziegler, Lou Sherfese, Rolf Wachter, Medtronic, Mounds View, MN, USA

8:48 a.m.

Discussion

8:51 a.m.

Comparison of Effectiveness, Safety, and the Net Clinical Outcome Between Different Direct Oral Anticoagulants in 162,707 Non-Valvular Atrial Fibrillation Patients Treated in US Clinical Practice

Steve Deitelzweig, Allison Keshishian, Xiaoyan Li, Melissa Hamilton, Cristina Masseria, Kiran Gupta, Xuemei Luo, Jack Mardekian, Keith Friend, Anagha Nadkarni, Xianying Pan, Onur Baser, Gregory Y. H. Lip, Bristol-Myers Squibb Company, Lawrenceville, NJ, USA, Pfizer, Inc., New York, NY, USA

9:01 a.m.

Discussion

9:04 a.m.

Increased Risk of Cardiac Death With Recurrent Tachycardia Mediated Cardiomyopathy Due to Atrial Fibrillation/Flutter



Srikanth Vallurupalli, Aatish Garg, Anusha Shanbhag, Hakan Paydak,  
University of Arkansas for Medical Sciences, Little Rock, AR, USA

9:14 a.m.

Discussion

9:17 a.m.

Cost-Effectiveness of Extended and One-Time Screening For Atrial Fibrillation  
Versus No Screening in the United States

Gail D. Wygant, Mustafa Oguz, Tereza Lanitis, Robert Leipold, Keith Friend,  
Soeren Mattke, Daniel Singer, Andreas Nikolaou, Patrick Hlavacek, Shawn Li,  
Evidera, London, United Kingdom

9:27 a.m.

Discussion

### Arrhythmias and Clinical EP - Self-Assessment

#### Session #807

#### Test Your Knowledge: ABIM 2017-2018 Clinical Cardiac Electrophysiology

**Sunday, March 11, 2018, 8:00 a.m. - 10:30 a.m.**

**Room 304 G**

**CME Hours: 2.5 /CNE Hours: 2.5**

Chair: Peter A. Brady

8:00 a.m.

Faculty

Zachary D. Goldberger

Seattle, WA

8:00 a.m.

Faculty

Ralph J. Verdino

Philadelphia, PA

8:00 a.m.

Faculty

Julia H. Indik

Tucson, AZ

### Congenital Heart Disease - Scientific

#### Session #652

#### Controversies in the Care of Pediatric Patients With Cardiomyopathy

**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**

**Room 208 C**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Brian Feingold

Co-Chair: Elfriede Pahl

8:00 a.m.

Debate: Genetic Testing Should be Performed in All Pediatric Patients With  
Dilated Cardiomyopathy (Pro)

Wendy Chung

New York, NY

8:10 a.m.

Debate: Genetic Testing Should be Performed in All Pediatric Patients With  
Dilated Cardiomyopathy (Con)

Jeffrey Towbin

Memphis, TN

8:20 a.m.

Rebuttal: Pro

8:22 a.m.

Rebuttal: Con

8:24 a.m.

Debate 1: Audience Question and Answer

8:35 a.m.

Is Cardiac MRI Clinically Indicated in All Pediatric Patients With Hypertrophic  
Cardiomyopathy?

Kathleen Simpson

Saint Louis, MO

8:45 a.m.

Should Heart Transplant Be Performed in All Pediatric Patients With  
Restrictive Cardiomyopathy and an LVEDP > 20 MmHg

Yuk M. Law

Seattle, WA

8:55 a.m.

Debate: LV Noncompaction Is a Disease (Pro)

John L. Jefferies

Cincinnati, OH

9:05 a.m.

Debate: LV Noncompaction Is a Disease (Con)

Jacqueline Lamour

Bronx, NY

9:15 a.m.

Rebuttal: Pro

9:17 a.m.

Rebuttal: Con

9:19 a.m.

Debate 2: Audience Question and Answer

### Heart Failure and Cardiomyopathies - Scientific

#### Session #653

#### Cardiogenic Shock and Acute Mechanical Support Strategies

**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**

**Room 315 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Sean Patrick Pinney

Co-Chair: Nir Uriel

Panelist: Richard Kar-Hang Cheng

Panelist: Michael S. Kiernan

Panelist: Robb D. Kociol

Panelist: Jesus Eduardo Rame

8:00 a.m.

Defining Shock and Key Components of the Shock Team

Michael S. Kiernan

Wellesley, MA

8:15 a.m.

Case Presentation: My Patient Is in Shock--- Which Device?

Gurusher S. Panjra

Washington, DC

8:21 a.m.

Trends in Device Utilization and Outcomes in Patients With Cardiogenic  
Shock

Richard Kar-Hang Cheng

Bellevue, WA

8:36 a.m.

Case Presentation: Percutaneous VAD Support



Jason Lucas  
Roswell, GA

8:42 a.m.  
Percutaneous Support Device: When to Support the LV, RV, or Both  
Jesus Eduardo Rame  
Philadelphia, PA

8:57 a.m.  
Case Presentation: VA ECMO  
Michele Esposito  
Boston, MA

9:03 a.m.  
VA ECMO for Cardiogenic Shock: Contemporary Strategies and Outcomes  
Robb D. Kociol  
Milton, MA

9:18 a.m.  
Panel Discussion With Questions and Answer

**Heart Failure and Cardiomyopathies - Oral Contributions**  
**Session #901**  
**Highlighted Original Research: Heart Failure and Cardiomyopathies and the Year in Review**  
**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**  
**Room 312 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: David DeNofrio  
Co-Chair: Bonnie Ky

8:00 a.m.  
Year in Review Speaker  
Douglas L. Mann  
Saint Louis, MO

8:12 a.m.  
Exercise Unmasks Distinct Pathophysiologic Features of Pulmonary Vascular Disease in Heart Failure With Preserved Ejection Fraction  
Thomas Gorter, Masaru Obokata, Yogesh Reddy, Barry Borlaug, Mayo Clinic, Rochester, MN, USA, University Medical Center Groningen, Groningen, The Netherlands

8:22 a.m.  
Discussion

8:25 a.m.  
Cardiomyocyte-Specific Overexpression of the  $\beta$ 3-Adrenergic Receptor Prevents Heart Failure in a Model of Pressure Overload  
Andrés Pun, David Sanz-Rosa, Belen Prados, Jose Luis de la Pompa, Borja Ibanez, Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Madrid, Spain

8:35 a.m.  
Discussion

8:38 a.m.  
Risk of Adverse Outcomes Associated With Atrial Fibrillation Subtypes in Heart Failure With Preserved Ejection Fraction  
Sanjay Venkatesh, Wesley O'Neal, Pratik Sandesara, Elsayed Soliman, Department of Internal Medicine, Wake Forest University School of Medicine, Winston-Salem, NC, USA

8:48 a.m.  
Discussion

8:51 a.m.  
Reduction in Left Ventricular Outflow Tract Gradient With Mavacamten (MYK-461) in Symptomatic Obstructive Hypertrophic Cardiomyopathy Patients (PIONEER-HCM)  
Daniel Jacoby, Steven Lester, Anjali Owens, Andrew Wang, Don Young, Radhika Tripuraneni, Marc Semigran, Stephen Heitner, MyoKardia, Inc., South San Francisco, CA, USA

9:01 a.m.  
Discussion

9:04 a.m.  
The DNA-Based Therapeutic Agent BC 007 Completely Neutralizes Agonistic Autoantibodies Directed Against  $\beta_1$ -Adrenoceptors: Results of a Phase 1 Trial  
Johannes Mueller, Annekathrin Haberland, Niels-Peter Becker, Katrin Wenzel, Gerd Wallukat, Peter Goettel, Sarah Schulze-Rothe, Ingolf Schimke, Georg Golor, Matthias Grossmann, Angela Sinn, Martina Steiper, Tuba Yilmaz, Anne Wallukat, Hanna Davideit, Susanne Becker, Berlin Cures, Berlin, Germany, Parexel, Berlin, Germany

9:14 a.m.  
Discussion

9:17 a.m.  
Continuous Wearable Monitoring Analytics Predict Heart Failure Decompensation: The LINK-HF Multi-Center Study  
Josef Stehlik, Carsten Schmalfuss, Biykem Bozkurt, Jose Nativi-Nicolau, Stephan Wegerich, Kevin Rose, Ranjan Ray, Richard Schofield, Anita Deswal, Jadranka Sekaric, Sebastian Anand, Dylan Richards, Heather Hanson, Matthew Pipke, Michael Pham, Veterans Health Administration, Salt Lake City, UT, USA, PhysiQ Inc., Chicago, IL, USA

9:27 a.m.  
Discussion

**Interventional Cardiology - Scientific**  
**Session #656**  
**PFO Closure: State of the Data**  
**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**  
**Room 203 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: John D. Carroll  
Co-Chair: Lars Sondergaard  
Panelist: Barry A. Love  
Panelist: Sanjay Kaul  
Panelist: Lisa Tindell  
Panelist: Brian K. Whisenant

8:00 a.m.  
Long-Term Results of the RESPECT Clinical Trial: Deep Dive  
Richard W. Smalling  
Houston, TX

8:10 a.m.  
Panel Discussion With Audience Question and Answer

8:15 a.m.  
Results of the REDUCE Trial: Deep Dive  
Lars Sondergaard  
Copenhagen, Denmark

8:25 a.m.  
Panel Discussion With Audience Question and Answer

8:30 a.m.



Results of PFO Closure in the CLOSE Trial: Deep Dive  
Brian K. Whisenant  
Salt Lake City, UT

8:40 a.m.  
Panel Discussion With Audience Question and Answer

8:45 a.m.  
Synthesizing the Results of the RCTs of PFO Closure for Cryptogenic Stroke  
Sanjay Kaul  
Los Angeles, CA

8:55 a.m.  
Panel Discussion With Audience Question and Answer

9:00 a.m.  
Case Presentation: An Appropriate Patient for PFO Closure  
Gagan Deep Singh  
Sacramento, CA

9:05 a.m.  
Cardiac Imaging Work up of PFO: TTE, TEE, and TCD  
Thomas Smith  
Sacramento, CA

9:10 a.m.  
Panel Discussion With Audience Question and Answer

9:15 a.m.  
When a "Stroke" Is Not a Stroke- An Inappropriate Case for PFO Closure  
David Thaler  
Boston, MA

9:25 a.m.  
Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #657

#### Left Atrial Appendage Closure: Challenging Cases and Complications

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 202 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jason H. Rogers  
Co-Chair: Horst Sievert  
Panelist: Matthew James Daniels  
Panelist: Marvin Eng  
Panelist: Saibal Kar  
Panelist: Vivek Yerrapu Reddy

8:00 a.m.  
Technical Approach to Closing a Chicken Wing LAA  
Ashish Pershad  
Phoenix, AZ

8:08 a.m.  
Panel Discussion With Audience Question and Answer

8:13 a.m.  
Interventional Management of a Residual Leak Post-LAA Closure  
Srinivas Dukkipati  
New York, NY

8:21 a.m.  
Panel Discussion With Audience Question and Answer

8:26 a.m.

Pericardial Effusion and Tamponade After LAA Closure  
Jason H. Rogers  
Sacramento, CA

8:34 a.m.  
Panel Discussion With Audience Question and Answer

8:39 a.m.  
Management of an Embolized Device  
Zaher Fanari  
Springfield, IL

8:47 a.m.  
Panel Discussion With Audience Question and Answer

8:52 a.m.  
Cardiac Fistula After LAA Closure  
Joseph R. Aragon  
Santa Barbara, CA

9:00 a.m.  
Panel Discussion With Audience Question and Answer

9:05 a.m.  
Evaluation of the Posterior Shoulder After WATCHMAN Implantation: How Much Is Too Much?  
Saibal Kar  
Los Angeles, CA

9:13 a.m.  
Panel Discussion With Audience Question and Answer

9:18 a.m.  
LAA Closure in the Presence of Thrombus  
Marvin H. Eng  
Detroit, MI

9:26 a.m.  
Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Oral Contributions

#### Session #903

#### Highlighted Original Research: Interventional Cardiology and the Year in Review

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 204 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Stefan D. Anker  
Co-Chair: David J. Cohen

8:00 a.m.  
Year in Review Speaker  
David J. Moliterno  
Lexington, KY

8:12 a.m.  
Cardiovascular Magnetic Resonance or Computed Tomography Angiography First Versus a Routine Invasive Strategy in High-Sensitive Troponin-Positive Suspected Non-ST-Elevation Myocardial Infarction: Randomized Controlled Trial  
Martijn Smulders, Bas Kietselaer, Joachim Wildberger, Pieter Dagnelie, Hans-Peter Brunner-La Rocca, Alma Mingels, Yvonne van Cauteren, Ralph Theunissen, Mark Post, Simon Schalla, Sander van Kuijk, Marco Das, Raymond Kim, Harry Crijns, Sebastiaan Bekkers, Maastricht UMC+, Maastricht, The Netherlands



8:22 a.m.  
Discussion

8:25 a.m.  
Accuracy of Quantitative Flow Ratio Obtained From 3D Computational Quantitative Coronary Angiography in Comparison With Invasive Fractional Flow Reserve as a Reference  
Yoshinori Kanno, Taishi Yonetsu, Yoshihisa Kanaji, Eisuke Usui, Masahiro Hoshino, Masahiro Hada, Yohei Sumino, Tadashi Fukuda, Rikuta Hamaya, Tsunekazu Kakuta, Tsuchiura Kyodo Hospital, Tsuchiura City, Japan

8:35 a.m.  
Discussion

8:38 a.m.  
Uptake and Utilization of Drug-Eluting Bioresorbable Vascular Scaffolds: A CathPCI Registry Study  
Ajay J. Kirtane, Kevin Kennedy, John Messenger, Kirk Garratt, Thomas M. Maddox, Robert Yeh, Columbia University and New York-Presbyterian Hospital, New York, NY, USA

8:48 a.m.  
Discussion

8:51 a.m.  
Outcomes After Transthoracic, Peripheral Vascular and Transfemoral Transcatheter Aortic Valve Implantation: A Propensity Analysis From FRANCE TAVI Registry  
Sylvain Beurtheret, Nicole Karam, Noemie Resseguier, Remi Houel, Olivier Com, Richard Gelisse, Jacques Bille, Patrick Joly, Nicolas Barra, Philippe Commeau, Sebastien Armero, Mathieu Pankert, Julien Seitz, Helene Eltchaninoff, Pascal Leprince, Herve Le Breton, Saint Joseph Hospital, Marseille, France

9:01 a.m.  
Discussion

9:04 a.m.  
Frailty and Cardiovascular Surgery, Deep Neural Network Versus Support Vector Machine to Predict Death  
Rashmee Shah, Yijun Shao, Kristina Doing-Harris, Charlene Weir, Yan Cheng, Bruce Bray, Qing Zeng, George Washington University, Washington, DC, USA, University of Utah School of Medicine, Salt Lake City, UT, USA

9:14 a.m.  
Discussion

9:17 a.m.  
Trend, Etiologies and the Predictors of 90-Day Re-Admissions After the Use of Percutaneous Ventricular Assist Device (PVAD): A National Population-Based Cohort Study  
Fnu Hafeez Hassan, Byomesh Tripathi, Sameer Ahmed, Saurav Chatterjee, Sandeep Dayanand, Chayakrit Krittanawong, Suchita Gupta, Shilpkumar Arora, Mohammad Nour Zabad, Parasuram Krishnamoorthi, Sanjog Karla, Gregg Pressman, Jon George, Aman Amanullah, Vincent Figueredo, Einstein Medical Center, Philadelphia, PA, USA

9:27 a.m.  
Discussion

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)**  
**Scientific - Session #654**  
**Controversies in Echocardiography**  
**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**  
**Room 311 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Vera H. Rigolin  
Co-Chair: Neil J. Weissman  
Panelist: Sondra M. DePalma

8:00 a.m.  
Controversies in Echocardiography  
Vera H. Rigolin  
Chicago, IL

8:00 a.m.  
3D Echo: Don't Make Me Read an Echo Without It  
Roberto M. Lang  
Chicago, IL

8:15 a.m.  
3D Echo: I Bought It and Still Never Use It  
Natesa G. Pandian  
Boston, MA

8:30 a.m.  
Rebuttal  
Roberto M. Lang  
Chicago, IL

8:32 a.m.  
Rebuttal  
Natesa G. Pandian  
Boston, MA

8:34 a.m.  
Interactive Panel Discussion

8:45 a.m.  
Embracing POCUS: I Want My Doctor in the Emergency Room Using POCUS  
Susan E. Wiegers  
Philadelphia, PA

9:00 a.m.  
HOCUS POCUS: If You Want a Quality Echo Then Come to the Echo Lab  
Kirk Spencer  
Chicago, IL

9:15 a.m.  
Rebuttal  
Susan E. Wiegers  
Philadelphia, PA

9:17 a.m.  
Rebuttal  
Kirk Spencer  
Chicago, IL

9:19 a.m.  
Interactive Panel Discussion





### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)

#### Scientific - Session #655

#### Cardiovascular Molecular Imaging: Bench to Bedside

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 308 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Albert J. Sinusas

Co-Chair: Flordeliza Villanueva

8:00 a.m.

Imaging Inflammation Post Myocardial Infarction

Albert J. Sinusas

New Haven, CT

8:18 a.m.

Molecular Imaging in Heart Failure

Stephanie L. Thorn

New Haven, CT

8:36 a.m.

Microbubbles: Ultrasound Goes Molecular

Jonathan R. Lindner

Portland, OR

8:54 a.m.

Imaging Atherosclerosis

Ahmed A. Tawakol

Wayland, MA

9:12 a.m.

Panel Discussion

#### Prevention - International

#### Session #515

#### The Magnitude of the Problem: Dyslipidemia in the Emerging World:

#### International Perspectives from the ACC Bangladesh Chapter,

#### Philippine Heart Association, and American College of Cardiology

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 304 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Frederick A. Masoudi

Co-Chair: A.K.M. Mohibullah

Co-Chair: Jorge Sison

8:00 a.m.

Introduction to Session

Frederick A. Masoudi

Aurora, CO

8:05 a.m.

Going Back to Basics: Using Diet & Exercise to Prevent CVD

Andrew M. Freeman

Denver, CO

8:20 a.m.

Dyslipidemia in Southeast Asia: The Magnitude of the Problem

Abdullah A. S. Majumder

Dhaka, Bangladesh

8:35 a.m.

Guideline Based Management of Dyslipidemia for Southeast Asians: All Feet

Tread Not in One Shoe?

Afzalur Rahman

Dhaka, Bangladesh

8:50 a.m.

Ethnic Differences in Response to Medications for ASCVD Risk Reduction:

Insights from Pharmacogenomics

Rody Sy

Mandaluyong City, Philippines

9:05 a.m.

ASCVD Risk in SE Asia: Does Pharmacogenomic Data Provide the Answers?

Eva Cutiongco-dela Paz

Manila, Philippines

9:20 a.m.

Discussion

#### Prevention - Scientific

#### Session #658

#### Disruptive Medicine: Multi-Level Innovative Approaches to Improve Cardiovascular Health in Minority Populations: Joint Symposium of the Association of Black Cardiologists and the American College of Cardiology

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 308 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Michelle Albert

Co-Chair: Eldrin F. Lewis

Panelist: Michelle Albert

Panelist: Nakela L. Cook

Panelist: Ted W. Love

Panelist: Clyde W. Yancy

8:00 a.m.

Discovery and Technology: Transforming Heart and Vascular Care for Sickle

Cell Disease - Challenges and Potential Solutions

Ted W. Love

South San Francisco, CA

8:18 a.m.

Policy/Social Determinants: Social Determinants of Health and Cardiovascular

Risk in Minorities: Challenges and Opportunities for Incorporation into

Cardiovascular Care and Funding Opportunities

Nakela L. Cook

Bethesda, MD

8:36 a.m.

Workforce: Ethnicity and Unraveling Workforce Promotion in Cardiovascular

Science Leadership, Academia and Clinical Practice

Michelle Albert

Burlingame, CA

8:54 a.m.

CVD Care: Alphabet Soup of Cardiovascular Therapies: LVADs, TAVRs, CRT-Ds

and Equitable Utilization Across Heterogeneous Populations

Clyde W. Yancy

Chicago, IL

9:12 a.m.

Panel Discussion With Audience Question and Answer

#### Prevention - Core Curriculum

#### Session #806

#### Lipid Management Beyond the Basics

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 207 A

CME Hours: 1.5 /CNE Hours: 1.5

Chair: Laxmi S. Mehta



8:00 a.m.

Lipid Subparticles Testing: When to Use and What do the Results Mean?

Peter H. Jones

Houston, TX

8:20 a.m.

Role of Lp(a) Testing in Women: Added Benefit or Cost?

Gina Price Lundberg

Marietta, GA

8:40 a.m.

Familial Hyperlipidemia: Advances in Care

James Underberg

New York, NY

9:01 a.m.

Panel Discussion Moderator

Laxmi S. Mehta

Powell, OH

9:01 a.m.

Panel Discussion With Question and Answer

### **Pulmonary Hypertension and Venous Thrombo-embolic Disease - Oral Contributions**

#### **Session #902**

#### **Highlighted Original Research: Pulmonary Hypertension and Venous Thrombo-Embolic Disease and the Year in Review**

**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**

**Room 304 E**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Raymond L. Benza

Co-Chair: Ryan James Tedford

8:00 a.m.

Year in Review Speaker

Victor F. Tapson

Beverly Hills, CA

8:12 a.m.

ECG-Derived Ventricular Gradient Outperforms Echo in the Early Detection of Pulmonary Hypertension in Patients With Systemic Sclerosis

Fleur Meijer, P. Kies, Monique Jongbloed, Cees Swenne, Suzanne van Wijngaarden, Jeska de Vries, Hubert Vliegen, Leiden University Medical Centre, Leiden, The Netherlands

8:22 a.m.

Discussion

8:25 a.m.

The Obesity Paradox in Women With Pulmonary Hypertension Using Right Ventricular Echocardiographic Strain Imaging

Hiten R. Patel, Upamanyu Rampal, Suchit Bhutani, Priyank Shah, Rahul Vasudev, Hartaj Virk, Faye Shamoan, Mahesh Bikkina, Irvin Goldfarb, Saint Michael's Medical Center, Newark, NJ, USA, Saint Joseph's Regional Medical Center, Paterson, NJ, USA

8:35 a.m.

Discussion

8:38 a.m.

First in Human: The Effects of Biventricular Pacing on Cardiac Output in Severe Pulmonary Hypertension

Daniel P. Morin, Stacy Mandras, Sangeeta B. Shah, Omar Shams, Krishna Kancharla, Ahmet Oktay, Ochsner Medical Center, New Orleans, LA, USA

8:48 a.m.

Discussion

8:51 a.m.

Outcome Prediction by Novel Echocardiographic Measure of Right Ventricular Myocardial Stiffness in Patients With Pulmonary Hypertension  
Orawan Anupraiwat, Ioana Petrescu, Anusith Tunhasiriwet, Filip Ionescu, Sorin Pislaru, Patricia Pellikka, Garvan Kane, Cristina Pislaru, Mayo Clinic, Rochester, MN, USA

9:01 a.m.

Discussion

9:04 a.m.

Gas Exchange Score With Rest Etco2 and Ve/vco2 Predicts Pulmonary Vascular Disease at Rest and Exercise in Patients With Dyspnea of Unclear Etiology  
Farhan Raza, Anjali Vaidya, Paul Forfia, Temple University Hospital, Philadelphia, PA, USA, Weill Cornell Medical Center-New York Presbyterian, New York, NY, USA

9:14 a.m.

Discussion

9:17 a.m.

Right Atrial Strain by Speckle-Tracking Echocardiography Predicts Mortality in Patients With Pulmonary Arterial Hypertension  
Nina E. Hasselberg, Masataka Sugahara, Nobuyuki Kagiya, Akiko Goda, Marc Simon, John Gorcsan III, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

9:27 a.m.

Discussion

### **Special - Late-Breaking Clinical Trials**

#### **Session #404**

#### **Joint American College of Cardiology/Journal of the American Medical Association Late-Breaking Clinical Trials**

**Sunday, March 11, 2018, 8:00 a.m. - 9:15 a.m.**

**Main Tent, Hall C**

**CME Hours: /CNE Hours:**

Chair: Richard A. Chazal

Co-Chair: Robert O. Bonow

Panelist: J. Dawn Abbott

Panelist: Pamela S. Douglas

Panelist: Glenn N. Levine

Panelist: Laura Mauri

Panelist: Neil J. Stone

8:00 a.m.

A Prospective, Randomised, Multicentre Study Of A Pharmacogenomic Approach To The Selection Of Antiplatelet Therapy In Acute Coronary Syndromes

Diego Ardisino, Giuseppe Maglietta, Paola Bevilacqua, Marco Cereda, Piera Merlini, Giovanni Villani, Paolo Moruzzi, Giampiero Patrizi, Laura Dall'Oglio, Guidantonio Malagoli Tagliazucchi, Antonio Crocamo, Angela Guidorossi, Chiara Manzalini, Vittoria Caporale, Lucia Coppini, Maria Antonietta Demola, Rossella Giacalone, Giancarlo Mangè, Filippo Pigazzani, Federica Del Giudice, Francesca Boffetti, Marco Bianchessi, Mario Angelo Comelli, Maria Francesca Notarangelo, Azienda Ospedaliero-Universitaria di Parma, Parma, Italy

8:10 a.m.

Panel Discussion

8:15 a.m.





Impact of Patient Copayment Reduction on P2Y12 Inhibitor Persistence and Clinical Outcomes after Myocardial Infarction: The Affordability and Real-world Antiplatelet Treatment Effectiveness after Myocardial Infarction Study (ARTEMIS) Randomized Trial

Tracy Wang, Lisa Kaltenbach, Christopher P. Cannon, Gregg Fonarow, Nitesh Choudhry, Timothy Henry, David J. Cohen, Durgesh Bhandary, Naeem D. Khan, Kevin Anstrom, Eric D. Peterson, Duke Clinical Research Institute, Durham, NC, USA

8:25 a.m.

Panel Discussion

8:30 a.m.

A Phase III, Randomized, International, Multicenter, Open label, with Blinded Adjudication of Outcomes, Non-Inferiority Clinical Trial to Explore the Safety and Efficacy of Ticagrelor Compared with Clopidogrel in Patients with Acute Coronary Syndrome with ST Elevation Treated with Thrombolysis. The TREAT Trial.

Otávio Berwanger, Renato Lopes, Jose Nicolau, Pedro De Barros E Silva, Helio Guimaraes, Antonio C. Carvalho, Lixin Jiang, Shaun Goodman, Stephen Nicholls, Alexander Parkhomenko, Carlos Tajer, German Malaga, Jose Francisco Kerr Saraiva, Diogo D F Moia, Antonio F. Fonseca, Lucas Petri Damiani, Denise Paisani, Nanci Valeis, Camila Lasagno, Carolina Trovarelli Candido, Oleg Averkov, Harvey White, Christopher Granger, Leopoldo Piegas, Research Institute HCor, Sao Paulo, Brazil

8:40 a.m.

Panel Discussion

8:45 a.m.

The Effect of Dabigatran in Patients Suffering Myocardial Injury After Noncardiac Surgery

P.J. Devereaux, Emmanuelle Duceppe, Vikas Tandon, Bruce M. Biccand, Reitze Rodseth, Denis Xavier, Wojciech Szczeklik, Christian S. Meyhoff, Maria Grazia Franzosi, Jessica Vincent, Sadeesh S. Srinathan, Joel Parlow, Miriam de Nadal, Pilar Paniagua Iglesias, Juan Carlos Villar, Fernando Botto, Otávio Berwanger, Shirley Pettit, Daniel Sessler, Gordon Guyatt, John Eikelboom, Clive Kearon, Mike Sharma, Shrikant I. Bangdiwala, Salim Yusuf, Population Health Research Institute, Hamilton, Canada

8:55 a.m.

Panel Discussion

9:00 a.m.

Loading Doses of Atorvastatin versus Placebo in Patients with Acute Coronary Syndromes and Planned Revascularization: The SECURE-PCI Trial

Otávio Berwanger, Pedro Gabriel Melo de Barros e Silva, Isabella de Andrade Jesuino, Eliana Vieira Santucci, Ligia Laranjeira, Juliana Borges de Oliveira, Lucas Petri Damiani, John Alexander, Christopher Granger, Renato Lopes, Research Institute HCor, Sao Paulo, Brazil, Brazilian Clinical Research Institute (BCRI), Sao Paulo, Brazil

9:10 a.m.

Panel Discussion

### Special - Symposium Session #106

**Cardiovascular Update for the Clinician I: Atherogenesis, Acute Coronary Syndromes and Stroke (A Symposium by Valentin Fuster)**  
**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**

**Room 311 E**

**CME Hours: 1.5 /CNE Hours: 1.5**

Chair: Valentin Fuster

Panelist: Valentin Fuster

Panelist: William Fuller Fearon

Panelist: Gilles Montalescot

Panelist: Dileep R. Yavagal

8:00 a.m.

Vascular 3D Ultrasound in Subclinical Systemic Disease - 12,000 Subjects Feasible, Predictable, Preventable and "Inflammatory"  
Valentin Fuster  
New York, NY

8:20 a.m.

STEMI 2 -Culprit Lesion Only Versus Complete Revascularization: Is FFR/iFR of Non-culprit Lesions, Early or Later, A Part of the Deal?  
William Fuller Fearon  
Stanford, CA

8:40 a.m.

STEMI Verses NSTEMI Versus STABLE CAD - Post PCI  
Antithrombotic Spontaneous Duration Versus Approach with Elective Surgery  
Gilles Montalescot  
Paris, France

9:00 a.m.

Acute Ischemic Stroke and Carotid Artery Stenosis Two Entities with Novel Approaches  
Dileep R. Yavagal  
Miami, FL

9:15 a.m.

Panel Discussion

### Special - Special Session #659

**Critical Care Cardiology: The Why, the Where, and the How**  
**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**

**Room 312 C**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: David A. Morrow

Co-Chair: Michael A. Solomon

Panel Discussion: Why Train in Critical Care Cardiology?

8:00 a.m.

Audience ARS Questions  
David A. Morrow  
Boston, MA

8:00 a.m.

Moderator: Why Train in Critical Care Cardiology?  
David A. Morrow  
Boston, MA

Panelist: Steven M. Hollenberg

Panelist: Erin Ann Bohula

Panelist: Christopher Barnett

Panelist: Patrick R. Lawler

8:15 a.m.

Panel Discussion: Where and How to Train in Critical Care Cardiology?

8:15 a.m.

Audience ARS Question  
Michael A. Solomon  
Bethesda, MD

8:15 a.m.

Moderator: Where and How to Train in Critical Care Cardiology?



Michael A. Solomon  
Bethesda, MD

Panelist: Jason Neil Katz  
Panelist: P. Elliott Miller  
Panelist: Jeffrey Soble  
Panelist: Sean Van Diepen

8:30 a.m.  
Round Table Discussion

8:50 a.m.  
Report-out: Why Train in Critical Care Cardiology? And Audience Question and Answer

9:10 a.m.  
Report-out: Where and How to Train in Critical Care Cardiology? And Audience Question and Answer

### Special - Oral Contributions

#### Session #904

#### FIT Forum: Stump the Professor

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 307 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Akhil Narang  
Co-Chair: Poonam Velagapudi

8:00 a.m.  
Stump the Professor Judge  
Blase A. Carabello  
Greenville, NC

8:00 a.m.  
Stump the Professor Judge  
Patrick T. O'Gara  
Boston, MA

8:00 a.m.  
Stump the Professor Judge  
Carole A. Warnes  
Rochester, MN

8:00 a.m.  
Pulmonary Hypertension in a Young Woman: Is There More to the Story?  
Margaret Fuchs, Heidi Connolly, Mayo Clinic, Rochester, MN, USA

8:20 a.m.  
Question and Answer

8:30 a.m.  
The Great Masquerader: Cardiac Sarcoidosis Mimicking Arrhythmogenic Right Ventricular Dysplasia  
Alexander Evan Aldrich, Andrew Bradley, Jonathan Konopinski, Andrew Choi, Gurusher S. Panjra, The George Washington University, Washington, DC, USA

8:50 a.m.  
Question and Answer

9:00 a.m.  
Use of a Bidirectional Glenn Shunt to Enable Closure of an Atrial Septal Defect in the Setting of Right Ventricular Hypoplasia  
Jason Costa, Rachel Smaldone, Michael Argilla, Ralph Mosca, Dan Halpern, New York University, New York, NY, USA

9:20 a.m.  
Question and Answer

### Valvular Heart Disease - Scientific

#### Session #660

#### Pitfalls in Assessing Valvular Heart Disease

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 307 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Patric N. Biaggi  
Co-Chair: William A. Zoghbi  
Panelist: Patric N. Biaggi  
Panelist: Victoria Delgado  
Panelist: Judy W. Hung

8:00 a.m.  
On the Bucket List: Accurately Interpreting the Aortic Valve (or Pitfalls in Acquisition and Interpretation of Aortic Valve Disease)  
Amr E. Abbas  
Birmingham, MI

8:10 a.m.  
Tinker, Tailor, Soldier, Valve: Pitfalls in Acquisition and Interpretation of Mitral Valve Disease  
Judy W. Hung  
Boston, MA

8:20 a.m.  
Panel Discussion

8:30 a.m.  
The Force Awakens: Stress Echo and Filling Interpretation Gaps For Native and Prosthetic Valves  
Patric N. Biaggi  
Zurich, Switzerland

8:40 a.m.  
Analyze This: New Imaging Modalities for Assessing Valvular Heart Disease  
Victoria Delgado  
Leiden, Netherlands

8:50 a.m.  
The New ASE Native Valve Regurgitation Guideline: Is Everyone on the Same Page?  
William A. Zoghbi  
Houston, TX

9:00 a.m.  
Panel Discussion

9:10 a.m.  
The Gathering Storm: The Multi-Valvular Disease Conundrum  
Linda D. Gillam  
Morristown, NJ

9:20 a.m.  
Panel Discussion and Q & A



### Valvular Heart Disease - Scientific

#### Session #661

#### Infectious Endocarditis: Getting the Bugs Out

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 209 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: David S. Bach

Co-Chair: John P. Erwin, III

Panelist: Gosta Pettersson

Panelist: Arun Kanmanthareddy

8:00 a.m.

Case: Imaging in Endocarditis

Emily Ruden

Noblesville, IN

8:05 a.m.

Beyond the Echocardiogram: Multimodality Imaging in Suspected

Endocarditis

Sharmila Dorbala

Boston, MA

8:17 a.m.

Questions, Case Discussion

Sharmila Dorbala

Boston, MA

8:22 a.m.

Case: Early Surgery in Endocarditis

Fenton McCarthy

Philadelphia, PA

8:27 a.m.

When Early Surgery "Wins" in Infectious Endocarditis

Gosta Pettersson

Cleveland, OH

8:39 a.m.

Questions, Case Discussion

Gosta Pettersson

Cleveland, OH

8:44 a.m.

Native or Prosthetic Valve Endocarditis? Diagnostic and Therapeutic

Implications

John P. Erwin, III

Temple, TX

8:54 a.m.

Discussion With Question and Answer

9:00 a.m.

Ramifications of Antibiotic Prophylaxis Guidelines for Endocarditis

Prophylaxis

Douglas L. Jennings

New York, NY

9:10 a.m.

The Endocarditis Team

Lori Blauwet

Rochester, MN

9:20 a.m.

Discussion With Question and Answer

### Arrhythmias and Clinical EP - Hands-on Skills Learning

#### Session #1519

#### Hands-On Simulation Skills Training: Clinical Judgement Challenge

#### Station . . . Body Interact Simulation Platform

Sunday, March 11, 2018, 8:30 a.m. - 9:30 a.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: /CNE Hours:

8:30 a.m.

Faculty

Zorana Mrsic

Bethesda, MD

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1520

#### Hands-On Simulation Skills Training: Immersive Simulation Station .

#### . . . Guideline-directed Heart Failure Care Utilizing Full-body Manikin

Sunday, March 11, 2018, 8:30 a.m. - 9:30 a.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: /CNE Hours:

8:30 a.m.

Faculty

Michael T. Spooner

Norfolk, VA

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1521

#### Hands-On Simulation Skills Training: Procedural Skill Station . . .

#### Including Echocardiography and Right Heart Catheterization

Sunday, March 11, 2018, 8:30 a.m. - 9:30 a.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: /CNE Hours:

8:30 a.m.

Faculty

Ankur Kalra

Cleveland, OH

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1522

#### Hands-On Simulation Skills Training: Shared Decision-making

#### Simulation Station . . . Improve Your Patient Communication

#### Techniques

Sunday, March 11, 2018, 8:30 a.m. - 9:30 a.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: /CNE Hours:

8:30 a.m.

Faculty

Erica Sarah Spatz

New Haven, CT

### Special - Hands-on Skills Learning

#### Session #1501

#### Personalized Skills Center: Drill and Practice (Heart Songs, ECG,

#### Hand-Held Echo)

Sunday, March 11, 2018, 9:00 a.m. - 5:00 p.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: 4 /CNE Hours: 4

9:00 a.m.

Heart Songs Moderator

Michael J. Barrett

Blue Bell, PA

9:00 a.m.

Heart Songs Moderator



Garima Sharma  
Philadelphia, PA

12:00 p.m.  
Heart Songs Moderator  
Courtney Bennett  
Rochester, MN

12:00 p.m.  
Heart Songs Moderator  
Sarah Luther  
Center Valley, PA

3:00 p.m.  
Heart Songs Moderator  
Larry E. Jacobs  
Allentown, PA

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1213

#### Microvascular Disease, Endothelial Dysfunction, Vasospasm and Other Clinical Conundrums

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

435 - Coronary and Peripheral Vasomotor Responses to Mental Stress  
Muhammad Hammadah, Ibhar Al Mheid, Jeong Hwan Kim, Kobina Wilmot, Frank Corrigan, Ayman Samman Tahhan, Wesley O'Neal, Heval Mohamed Kelli, Ronnie Ramadan, Mouwafak Mouwafak Moureiden, Pratik Sandesara, Girum Mekonnen, Ayman Alkhoder, Belal Kaseer, Fahad Choudhary, Mohamed Khayata, Yasir Bouchi, Amit Shah, Laura Ward, David Sheps, Habib Samady, Kretton Mavromatis, Viola Vaccarino, Arshed Quyyumi, Emory, Atlanta, GA, USA

437 - Subclinical Left Ventricular Dysfunction in Women With Angina in the Absence of Obstructive Coronary Artery Disease: A Comprehensive Invasive and Echocardiographic Study  
Sara Bouajila, Vedant Pargaonkar, Yukari Kobayashi, Yuhei Kobayashi, Francois Haddad, Jennifer Tremmel, Division of Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA, USA

438 - Peripheral Endothelial Function Predicts 1-Year Adverse Clinical Outcome in Patients With Chest Pain Hospitalized in the Emergency Department  
Michael Shechter, Shlomi Matetzky, Megha Prasad, Nira Koren-Morag, Amir Lerman, Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel, Mayo Clinic, Rochester, MN, USA

439 - The Course of Patients With Chest Pain and No Evidence of Heart Disease: A 20 Year Follow-Up Study  
Abel E. Moreyra, Waseem Shami, Stavros Zinonos, Nora M. Cosgrove, Alex Gold, John B. Kostis, Javier Cabrera, Mihir Trivedi, William J. Kostis, for the MIDAS Study Group, Cardiovascular Institute, New Brunswick, NJ, USA, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

440 - Left Ventricular Wall Motion Findings in Myocardial Infarction With Nonobstructive Coronary Artery Disease (MINOCA)  
Anais Hausvater, Nathaniel Smilowitz, Dalisa Espinosa, Ellen Hada, Harmony Reynolds, NYU School of Medicine, New York, NY, USA

441 - Myocardial Bridging Is Associated With Coronary Endothelial Dysfunction in Patients With Chest Pain and Non-Obstructive Coronary Artery Disease  
Jaskanwal Sara, Michel Corban, Lilach Lerman, Amir Lerman, Mayo Clinic, Rochester, MN, USA

442 - Positive Dynamics of Endothelial Function in Patients With ST Segment Elevation MI Is Associated With LDL Cholesterol Target Level Achievement  
Oleksandr Shumakov, Alexander Parkhomenko, Anton Stepura, Oleg Irkin, Yaroslav Lutay, Dmitry Bilyi, Sergey Kushnir, National Scientific Center, M.D. Strazhesko Institute of Cardiology, SI, Kiev, Ukraine

443 - Usefulness and Safety of Acetylcholine Provocation Test in Patients With No Culprit Lesions in Emergency Coronary Angiography  
Kazuya Tateishi, Hideki Kitahara, Yuichi Saitoh, Tadayuki Kadihira, Takashi Nakayama, Yoshihide Fujimoto, Yoshio Kobayashi, Chiba University Hospital, Chiba, Japan

444 - Coronary Flow Reserve in Patients With Prior Spontaneous Coronary Artery Dissection and Recurrent Angina  
Tara Sedlak, Andrew Starovoytov, Karin Humphries, Jacqueline W. L. Saw, Vancouver General Hospital, Vancouver, Canada

445 - The Role of Beta Blocker Therapy For Ischemic Heart Disease Prevention in Undiagnosed Obstructive Sleep Apnea and Hypertension  
Peter Farjo, Kinjan Patel, Rohan Shah, Varun Badami, Sean Regner, Robert Stansbury, Stanley Schmidt, West Virginia University, Morgantown, WV, USA

446 - Coronary Artery Disease and the Impact of Rheumatoid Arthritis on the Severity, Type of Presentation and Prevalence  
Hassan Alkhawam, Elsayed Abo-Salem, Fadi Ghrair, Rahil Rafeedheen, Tarek Helmy, Saint Louis University School of Medicine, St. Louis, MO, USA, Icahn School of Medicine at Mount Sinai (Elmhurst), Elmhurst, NY, USA

447 - Predictors of In-Stent Yellow Plaques After 2<sup>nd</sup>-Generation Drug-Eluting Stent: The MICASA Study  
Kazuoki Dai, Hiroshi Matsuoka, Hideo Kawakami, Tetsuya Sato, Kouki Watanabe, Yasuharu Nakama, Masaharu Ishihara, Hiroshima City Hiroshima Citizens Hospital, Hiroshima, Japan, Hyogo College of Cardiology, Nishinomiya, Japan

448 - Same Day Discharge Following Inpatient Percutaneous Coronary Intervention: A Population Based Analysis  
Ahmed N. Mahmoud, Ahmad Masri, University of Florida, Gainesville, FL, USA, University of Pittsburgh, Pittsburgh, PA, USA

449 - Outcomes of Post-Operative Atrial Fibrillation After Coronary Artery Bypass Graft Surgery: A Meta-Analysis  
Toufik Mahfood Haddad, Jai Parekh, Aravdeep Jhand, Amjad Kabach, Muhammad Soubhi Azzouz, Michael White, Venkata Alla, Michael Del Core, Creighton University School of Medicine, Omaha, NE, USA

450 - Impact of Chronic Hepatitis C on Patients With Myocardial Infarction Undergoing Percutaneous Coronary Intervention: A 5-Year Nationwide Analysis  
Basera Sabharwal, Di Pan, Mario Rodriguez, Mariam Khandaker, Xin Wei, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA

451 - Implications of Left Ventricular Aneurysm in Patients With Acute Myocardial Infarction: An Analysis From National Inpatient Sample Database  
Bhaskar Bhardwaj, Varun Kumar, Nileshekumar Patel, Obai Abdullah, Sudarshan Balla, Martin Alpert, Albert Chan, Arun Kumar, University of Missouri Columbia School of Medicine, Columbia, MO, USA, University of Miami Miller School of Medicine, Miami, FL, USA

452 - Low Eicosapentaenoic Acid to Arachidonic Acid Ratio May Be Associated With Vulnerable Plaques Assessed by Intravascular Ultrasound in Younger Patients With Acute Coronary Syndrome  
Yumi Katsume, Kazunori Horie, Yukiko Mizutani, Akiko Tanaka, Norichika Osai, Takashi Matsumoto, Tsuyoshi Isawa, Norio Tada, Mie Sakurai, Masato



Munehisa, Taku Honda, Tatsushi Ootomo, Naoto Inoue, Sendai Kousei Hospital, Sendai, Japan

453 - Prognostic Impact of Coronary Vasospasm Related Type 2 Myocardial Infarction in Japanese: Results From J-MINUET Sub-Study  
Kenji Sakamoto, Kenichi Tsujita, Koichi Kaikita, Koichi Nakao, Yukio Ozaki, Kazuo Kimura, Junya Ako, Teruo Noguchi, Satoshi Yasuda, Satoru Suwa, Kazuteru Fujimoto, Yasuharu Nakama, Takashi Morita, Wataru Shimizu, Yoshihiko Saito, Atsushi Hirohata, Yasuhiro Morita, Teruo Inoue, Atsunori Okamura, Toshiaki Mano, Kunihiro Nishimura, Yoshihiro Miyamoto, Hisao Ogawa, Masaharu Ishihara, Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan, Division of Coronary Artery Disease, Hyogo College Medicine, Nishinomiya, Japan

454 - Growth Differentiation Factor-15 in Black Patients With Atrial Fibrillation and Acute Coronary Syndrome Is Associated With Left Ventricular Remodeling  
Judith E. Mitchell, Daniel Fung, Roseann Chesler, Haroon Kamran, Erdal Cavusoglu, State University of NY Downstate Medical Center, Brooklyn, NY, USA

455 - Differences in Clinical Profile and Prognosis Between Takotsubo Syndrome and the Rest of Myocardial Infarction With Non-Obstructive Coronary Arteries  
Javier Lopez Pais, Barbara Izquierdo Coronel, Maria Jesus Espinosa Pascual, David Galan Gil, Juan Gorritz Magana, Rebeca Mata Caballero, Carlos Gustavo Martínez Peredo, Paula Awamleh, Joaquin Alonso Martin, University Hospital of Getafe, Getafe, Spain

456 - Epinephrine Is Associated With Adverse Outcomes in the Cardiac Intensive Care Unit  
Jacob Colin Jentzer, Brandon Wiley, Courtney Bennett, Bradley Ternus, Kianoush Kashani, Scott Wright, Gregory Barsness, Mayo Clinic, Rochester, MN, USA

457 - Association Between the Number of Cardiologists Per 50 Cardiology Beds and 30-Day Mortality in Patients With Acute Myocardial Infarction  
Koshiro Kanaoka, Satoshi Okayama, Yoshihiko Saito, Nara City Hospital, Nara, Japan

458 - ST-Elevation Myocardial Infarction-Derived Coronary Microvascular Obstruction Is NOT Thrombus Dependent: Results in a Porcine Coronary Model  
Giovanni Pellegrini, Nikola Cesarovic, Mareika Gastl, Jon Hoem, Martin Rothman, Oliver Bludau, Blathnaid Feldman, Sho Torii, Renu Virmani, Robert Schwartz, Minneapolis Heart Institute Foundation at Abbott Northwestern Hospital, Minneapolis, MN, USA

459 - Internet Search Habits Reflect Prevalence of and Mortality From Heart Disease  
Morgan Kellogg, Samip Vasaiwala, Maine Medical Center, Portland, ME, USA

460 - Exercise and Pharmacologic Stress-Induced T-Wave Heterogeneity For Detection of Clinically Significant Coronary Artery Stenosis  
Anderson Carlos Silva, Victor Zandona De Antonio, Jakub Sroubek, Ernest Gervino, Kalon Ho, Fernando G. Stocco, Bruce D. Nearing, Richard L. Verrier, Beth Israel Deaconess Medical Center, Boston, MA, USA, Faculdade de Medicina da Universidade de Sao Paulo, Sao Paulo, Brazil

463 - Can We Predict the Angiographic Severity of Coronary Artery Disease in Patients With Acute Coronary Syndrome Using Nt-probnp ?  
Khanh P. N. Pham, Hoang H. N. Duong, Van N. Truong, Tam M. N. Ngo, Ha T. Ngo, Quynh T. Dinh, Sang T. Tran, Tram B. Nguyen, Huy D. Dinh, Thien M. Thai, Dat V. Nguyen, Nhut L. Nguyen, Wojciech Mazur, Eugene Chung, Thach

Nguyen, Vinh N. Pham, Vien T. Truong, Pham Ngoc Thach University of Medicine, Ho Chi Minh City, Viet Nam

464 - Monocyte and Macrophage Subtypes as Paired Cell Biomarkers For Coronary Artery Disease  
Kathryn Arnold, John Blair, Jonathan Paul, Atman Shah, Sandeep Nathan, Francis Alenghat, University of Chicago Pritzker School of Medicine, Chicago, IL, USA, University of Chicago Medicine, Chicago, IL, USA

465 - Temporal Trends, Determinants and Impact of High-Intensity Lipid Lowering Therapy in Patients With Stable Coronary Artery Disease Undergoing Percutaneous Coronary Intervention  
Roxana Mehran, Serdar Farhan, Usman Baber, Michela Faggioni, Melissa Aquino, Jaya Chandrasekhar, Sabato Sorrentino, Birgit Vogel, George Dangas, Annaporna Kini, Samin K. Sharma, Mount Sinai, New York, NY, USA

466 - Myocardial Bridge Muscle Index (MMI): A Marker of Disease Severity and Its Relationship With Endothelial Dysfunction and Symptomatic Outcome in Patients With Angina and a Hemodynamically Significant Myocardial Bridge  
Vedant Pargaonkar, Ingela Schnittger, Ian Rogers, Shigemitsu Tanaka, Ryotaro Yamada, Takumi Kimura, Jack Boyd, Jennifer Tremmel, Stanford University School of Medicine, Stanford, CA, USA

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1214

**Assessing Benefit With Novel and Established Medical Interventions  
Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

467 - Effect of Ranolazine on Symptoms and Quality of Life in Patients With Angina in the Absence of Obstructive Coronary Artery Disease: A Retrospective Cohort Study  
Vedant Pargaonkar, Jennifer Tremmel, Ingela Schnittger, Abha Khandelwal, Stanford University School of Medicine, Stanford, CA, USA

468 - Temporal Changes in Statin Prescription and Intensity at Discharge After an Atherosclerotic Cardiovascular Disease (ASCVD) Event: Real-World Experience in a Large Integrated Healthcare System - The IMPRES Study  
Jeffrey L. Anderson, Kirk U. Knowlton, Heidi May, Tami Bair, Donald Lappe, J. Muhlestein, Intermountain Medical Center, Salt Lake City, UT, USA, University of Utah, Salt Lake City, UT, USA

469 - Adult Bone Marrow Cell Therapy Improves Left Ventricular Function in Patients With Ischemic Heart Disease: A Meta-Analysis of Randomized Controlled Trials Utilizing Cardiac Magnetic Resonance Imaging  
Anweshan Samanta, Muhammad Afzal, Amy Cantilena, Ipsita Samanta, Siva Sagar Taduru, Shubha D. Roy, Buddhadeb Dawn, University of Missouri - Kansas City, Kansas City, MO, USA, University of Kansas Medical Center, Kansas City, KS, USA

470 - Impact of the Presence of Cardiovascular Disease on CV Benefit of Antidiabetic Agents  
Jassim M. S. Al Suwaidi, Rajvir Singh, Ralph DeFronzo, Mohammed Ali, Amin Jayyousi, Nidal Asaad, Muhammad Abdul-Ghani, Hamad Medical Corporation, Doha, Qatar, UTHSCSA, San Antonio, TX, USA

471 - The Safety and Tolerability of Multiple Dose Administration of CSL112, an Intravenous Formulation of Plasma-Derived ApoA-I, Among Subjects With Moderate Renal Impairment After Acute Myocardial Infarction  
C. Michael Gibson, Megan Yee, Yazan Daaboul, Serge Korjian, Ali Poyan Mehr, Mathieu Kerneis, Pierluigi Tricoci, John Alexander, John Kastelein, Roxana Mehran, Christoph Bode, Basil Lewis, Ravindra Mehta, Danielle Duffy, John Feaster, Majdi Halabi, Dominick Angiolillo, Daniel Duerschmied, Ton





Oude Ophius, Bela Merkely, Beth Israel Deaconess Medical Center, PERFUSE Study Group, Boston, MA, USA

472 - Sex Differences in Cardiovascular Disease Outcomes in Response to Fenofibrate Therapy in Type 2 Diabetic Patients in the ACCORD Lipid Study  
Avantika Banerjee, Tejas Patel, Gyorgy Csako, Andrew Dodge, Eileen Navarro, Colin O. Wu, Tesfaldet Bereket, Md Shamsuzzaman, Jerome Fleg, Charu Gandotra, George Sopko, Helena Sviglin, Gauri Dandi, Sean Coady, Nashwan Farooque, Lawton Cooper, Iffat Chowdhury, Ana Szarfman, Karim Calis, Keith Burkhart, Carlos Cure, Frank Pucino, Yves Rosenberg, Ahmed Hasan, Meta-Analytical Interagency Group (MATIG), National Heart, Lung, and Blood Institute, Bethesda, MD, USA

473 - Comparative Cardiovascular Safety and Effectiveness of Linagliptin in Routine Care: An Interim Analysis From a Monitoring Program  
Elisabetta Paterno, Chandrasekar Gopalakrishnan, Dorothee B. Bartels, Kimberly G. Brodovicz, Andrea Meyers, Julie Barberio, Jun Liu, Sebastian Schneeweiss, Division of Pharmacoepidemiology, Brigham & Women's Hospital, Harvard Medical School, Boston, MA, USA, Corporate Department Global Epidemiology, Boehringer Ingelheim GmbH, Ingelheim, Germany

474 - Long-Term Safety and Efficacy of Lomitapide in Patients With Homozygous Familial Hypercholesterolemia: Three-Year Data From the Lomitapide Observational Worldwide Evaluation Registry (LOWER)  
James Underberg, Christopher Cannon, Dominique Larrey, Lukas Makris, Agnieszka Jurecka, Dirk Blom, Aegerion Pharmaceuticals, Cambridge, MA, USA

475 - Results From the Microvascular Assessment of Ranolazine in Non-Obstructive Atherosclerosis (MARINA): A Double-Blinded Randomized Controlled Trial  
Arnav Kumar, Rani Rabah, Olivia Hung, Parham Eshtehardi, Hossein Hosseini, Nabil Sabbak, Zakaria Almuwaqqat, Chang Liu, Puja Mehta, Bill Gogas, Habib Samady, Section of Interventional Cardiology, Division of Cardiology, Emory University School of Medicine, Atlanta, GA, USA

476 - Efficacy and Safety of Pre-Procedural Prasugrel in Asians Undergoing Percutaneous Coronary Intervention For Acute Coronary Syndrome: A Report From a Japanese Multicenter Registry  
Satoshi Shoji, Mitsuaki Sawano, Yasuyuki Shiraishi, Nobuhiro Ikemura, Ikuko Ueda, Yohei Numasawa, Shigetaka Noma, Masahiro Suzuki, Kentaro Hayashida, Shinsuke Yuasa, Keiichi Fukuda, Shun Kohsaka, Department of Cardiology, Keio University School of Medicine, Tokyo, Japan

477 - Oxygen Therapy For Acute Myocardial Infarction: An Updated Meta-Analysis  
Abel Casso Dominguez, Yasmin Herrera, Georges El Hayek, Alejandro Lemor, Bing Yue, Pedro Moreno, Mount Sinai St. Luke's, New York, NY, USA

478 - Effect of Chronic Kidney Disease on Different Intensity Statin Utilization in Patients With Coronary Artery Disease: A Single Tertiary Center Experience  
Efstathios Koutroumpakis, Heather Stahura, Elvira Gosmanova, Stephanie Jou, Edward Philbin, William Boden, Radmila Lyubarova, Albany Medical College, Albany, NY, USA

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1215

#### Lost in Translation? Part 1

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

479 - The Receptor For Complement Component C3a Mediates Protection From the Development of Atherosclerosis in Apolipoprotein E Deficient (apoe<sup>-/-</sup>) Mice

Linlin Wei, Ning Ma, YaFeng Gao, JiaXing Wang, Liang Bai, DaXin Chen, Ke Li, The Second Affiliated Hospital, Xi'an Jiaotong University, Xi'an, People's Republic of China

480 - Inhibition of miR-128-3p by Tongxinluo Protects Human Cardiomyocytes From Ischemia/reperfusion Injury Via Upregulation of p70s6k1/p-p70s6k1

Guihao Chen, Chuansheng Xu, Yuejin Yang, Jie Zhang, Qing Li, Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, People's Republic of China

481 - Sympathetic Renal Denervation After Acute Myocardial Infarction Blunts Adrenergic Activation and Increased Myocardial Salvage in Pigs  
Luigi Emilio Pastormerlo, Vincenzo Castiglione, Burchielli Silvia, Chrisantos Grigoratos, Giovanni Donato Aquaro, Assuero Giorgetti, Paolo Marzullo, Eleonora Benelli, Fabio Bernini, Maria Franzini, Angela Pucci, Silvia Masotti, Veronica Musetti, Claudio Passino, Michele Emdin, Fondazione Toscana Gabriele Monasterio, Pisa, Italy, Scuola Superiore Sant'Anna, Pisa, Italy

482 - CLOCK Overexpression in Peripheral Blood Mononuclear Cells by Targeting PAI-1 in ST-Segment Elevation Myocardial Infarction  
Qixia Jiang, Hua Liu, Shengyun Wang, Feng Wu, Chun Liang, Department of Cardiology, Shanghai Changzheng Hospital, Naval Medical University, Shanghai, People's Republic of China

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1182

#### What's New in Sports Arrhythmia and Exercise Capacity

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

001 - Under-Recognized Causes of Sudden Death in Young Athletes: Myocarditis and Mitral Valve Prolapse  
Kevin M. Harris, Darlington Nwaudu, Mosi Bennett, Tammy Haas, Barry J. Maron, Minneapolis Heart Institute Foundation, Minneapolis, MN, USA, Tufts University School of Medicine, Boston, MA, USA

003 - Prevalence of ECG Abnormalities in Adolescents Undergoing Community Based Health Screening  
Amr Abdelbaky, Renee Langstaff, David Shipon, Thomas Jefferson University, Philadelphia, PA, USA, Lankenau Medical Center, Wynnewood, PA, USA

004 - Exercise Ventilatory Inefficiency in Heart Failure and Chronic Obstructive Pulmonary Disease  
Joshua Smith, Erik H. Van Iterson, Bruce Johnson, Barry Borlaug, Thomas Olson, Mayo Clinic, Rochester, MN, USA

005 - Exercise Ventilatory Efficiency in Older and Younger Heart Failure Patients With Preserved Ejection Fraction  
Joshua Smith, Erik H. Van Iterson, Barry Borlaug, Thomas Olson, Mayo Clinic, Rochester, MN, USA

006 - Does Music Impact Exercise Capacity During Cardiac Stress Test? A Single Blinded Pilot Randomized Controlled Study  
Karan Sarode, Waseem Shami, Sucheta Gosavi, Indika Mallawaarachchi, Alok Kumar Dwivedi, Debabrata Mukherjee, Texas Tech University Health Sciences, El Paso, TX, USA





### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1183

#### AF-Related Stroke Prevention: Screening and Approaching the Appendage

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

007 - All-Cause Mortality Analysis of the PROTECT-AF and PREVAIL Studies of Left Atrial Appendage Closure

William Whang, David R. Holmes, Marc Miller, Marie-Noelle Langan, Subbarao Choudry, Aamir Sofi, Jacob Koruth, Srinivas Dukupati, Vivek Yerrapu Reddy, Icahn School of Medicine at Mount Sinai, New York, NY, USA, Mayo Clinic, Rochester, MN, USA

008 - Left Atrial Appendage Occlusion Device Embolization (LAAODE): Understanding the Timing, Mechanism and Outcomes

Tawseef Dar, Bharath Yarlagadda, Apostolos Tzikas, Vaishnavi Veerapaneni, Valay Parikh, Madhu Reddy, Seth Sheldon, Bernhard Meier, Steffen Gloekler, Kim Jung-Sun, James Gabriels, Dhanunjaya R. Lakkireddy, Cardiovascular Research Institute, University of Kansas Medical Center, Kansas City, KS, USA

009 - Surgical Left Atrial Appendage Occlusion Using The Atriclip® Increases Early Postoperative Atrial Fibrillation

Ricarda M. White, Anne Kroman, Janice Steinhoff, Gail Davenport, Foster Curtis Bryan, Michael DeFrain, Barry Winton, Robert C. Sheppard, Northside Hospital, St. Petersburg, FL, USA, The Heart Institute, St. Petersburg, FL, USA

010 - Bleeding Outcomes of the WATCHMAN™ Device in Octogenarians and Nonagenarians With Nonvalvular Atrial Fibrillation

Fergie Ramos Tuarez, Abdulah Alrifai, Jesus Pino, Oswald Ramos, Elie Donath, Robert Chait, University of Miami Miller School of Medicine, Miami, FL, USA, JFK Medical Center Palm Beach Regional GME Consortium, Atlantis, FL, USA

011 - Left Atrial Appendage Occlusion Following Left Atrial Appendage Isolation

Varuna Gadiyaram, Carola Gianni, Chintan Trivedi, Sanghamitra Mohanty, Domenico Della Rocca, Amin Al-Ahmad, John Burkhardt, G. Gallinhouse, Patrick Hranitzky, Javier Sanchez, Luigi Di Biase, Rodney Horton, Matthew Price, Douglas Gibson, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

012 - A Preliminary Study of Predicting Occluder Size by the Parameters of Left Atrial Appendage Orifice Based on Ultrasound 3D DICOM Data

Qing Zhou, Dan Jia, Hong-Ning Song, Dan-E Mei, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

013 - Anesthesiology Involvement in Cardiac Rhythm Device Implantation in the US: Primary Results of a Nationwide Survey

Scott Koerber, Eric Nelson, Jeffrey Winterfield, Michael Gold, Medical University of South Carolina, Charleston, SC, USA

014 - Clopidogrel Resistance in Patients Undergoing Left Atrial Appendage Closure With the Watchman Device

Carola Gianni, Rodney Horton, Carolyn O' Grady, Sanghamitra Mohanty, Chintan Trivedi, Domenico Della Rocca, Amin Al-Ahmad, John Burkhardt, G. Gallinhouse, Patrick Hranitzky, Javier Sanchez, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

015 - Different Left Atrial Appendage Occlusion Devices For Stroke Prevention in Chinese Patients With Non-Valvular Atrial Fibrillation: A Single-Center Eight-Year Experience With Amplatzer Cardiac Plug/Amulet and Watchman Devices

Chak Yu So, Gary S. H. Cheung, Christy K. Y. Chan, Kelvin K. H. Kam, Anna K. Y. Chan, Sylvia S. W. Au, Simon K. C. Chan, Y. Y. Lam, Alex P. W. Lee, Bryan P. Y.

Yan, Chinese University of Hong Kong, Hong Kong, Hong Kong, Prince of Wales Hospital, Hong Kong, Hong Kong

017 - Mobile Phone Detection of Atrial Fibrillation: The MODE-AF Study  
Jussi Jaakkola, Samuli Jaakkola, Olli Lahdenoja, Tero Hurnanen, Tero Koivisto, Mikko Pankaala, Timo Knuutila, Tuomas Kiviniemi, Tuija Vasankari, Juhani Airaksinen, Turku University Hospital, Turku, Finland, University of Turku, Turku, Finland

018 - Assessing the Accuracy of an Automated Atrial Fibrillation Detection Algorithm Using Novel Smartwatch Technology Among Patients Presenting For Elective Cardioversion

Joseph Bumgarner, Cameron Lambert, Daniel Cantillon, Bryan Baranowski, Kathy Wolski, Ayman Hussein, Oussama Wazni, Bruce Lindsay, Khaldoun Tarakji, Cleveland Clinic, Cleveland, OH, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1184

#### Advances in Pathophysiology and Pharmacology of Arrhythmias

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

019 - Inflammatory Cytokine Interleukin-6 Has a Larger Impact on Calcium-Mediated Arrhythmia Substrates Compared to Interleukin-1β

Sunil Vasireddi, Prasongchai Sattayaprasert, Kenneth Laurita, MetroHealth Campus of Case Western Reserve University, Cleveland, OH, USA

020 - Novel Role of Sarcolipin in Mediating Ventricular Arrhythmias in Diabetic Model

Zhongwei Liu, Shuo Pan, Junkui Wang, Gongchang Guan, Shaanxi Provincial People's Hospital, Xi'an, People's Republic of China

021 - Low-Intensity Pulsed Ultrasound Stimulation on Atrial Ganglion Plexus Protects the Heart From Acute Myocardial Ischemia/Reperfusion in a Canine Model

Mingxian Chen, The Second Xiangya Hospital of Central South University, Changsha, People's Republic of China

022 - The Impact of Baseline Left Ventricular Hypertrophy on Clinical Outcomes in the PRECISION Trial

Jonathan Hansen, A. Lincoff, Steven Nissen, Jeffrey Borer, Thomas F. Luscher, Kimberly Brown, Danielle Brennan, Venu Menon, Cleveland Clinic Coordinating Center for Clinical Research, Cleveland, OH, USA

023 - Mast Cells Modulate the Pathogenesis of Leptin-Induced Ventricular Arrhythmias in Canine

Yuhong Wang, Lilei Yu, Hao Xia, Hong Jiang, Department of Cardiology, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

024 - The Impact of Diabetes Mellitus on Mortality, Length of Stay, and Cost Associated With Atrial Fibrillation Ablation

Quoc Tran, Kyle Yuquimpo, Sean Lacy, Christopher Buckley, Barth Wright, Kansas City University of Medicine and Biosciences, Kansas City, MO, USA, University of Kansas Medical Center, Kansas City, KS, USA

025 - Platelet Toll Like Receptor and Its Ligand High Mobility Group Box 1 Expression Is Increased in the Left Atrium of AF Patients

Kadri M. Gurses, Duygu Kocyigit, Muhammed Ulvi Yalcin, Hande Canpinar, Banu Evranos, Ugur Canpolat, Hikmet Yorgun, Mehmet Levent Sahiner, Dicle Guc, Kudret Aytemir, Hacettepe University, Ankara, Turkey

026 - Diabetes Mellitus Modulates the Risk of Arrhythmogenic Events in Patients With Severely Prolonged JTC Interval



Mohsin Khan, Susan Olet, M. Fuad Jan, Khawaja Afzal Ammar, Suhail Allaqaband, Indrajit Choudhuri, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

027 - Gender Differences in Presentation and Outcome of Vasovagal Syncope: A Post-Hoc Analysis of the Prevention of Syncope Trials (POST) I and II

Adam Deveau, Robert Sheldon, Connor Maxey, Debbie Ritchie, Ratika Parkash, Dalhousie University, Halifax, Canada

028 - Down-Regulation of Parvalbumin-Positive Neurons Contributes to Left Stellate Ganglion Remodeling After Myocardial Infarction  
Lilei Yu, Bing Huang, Hong Jiang, Department of Cardiology, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

029 - Using a 1:1:1 Propensity Score Matched Cohort to Analyze the Comparative Effectiveness of New Oral Anticoagulant Therapy Used For Stroke Prophylaxis in Non-Valvular Atrial Fibrillation  
Patrick Racsa, Brad Sutton, Daniel Cornett, Jeffrey Ellis, Humana Inc., Louisville, KY, USA, University of Louisville School of Medicine, Louisville, KY, USA

030 - Intracardiac Echocardiogram Eliminates the Need For Routine Transthoracic Echocardiography to Assess For Pericardial Effusion After Atrial Fibrillation Catheter Ablation  
Yekaterina Kim, Akiva A. Dym, Jorge Romero, Navid Ahmed, Joshua Josephs, Nils Guttenplan, Soo Gyum Kim, Andrea Natale, Eugene Palma, Andrew Krumerman, Kevin Ferrick, Daniel Sims, Luigi Di Biase, Montefiore Medical Center, Bronx, NY, USA

031 - Antiarrhythmic Effect of Artemisinin in Brugada Syndrome Model  
Namsik Yoon, Seo Na Hong, Ki Hong Lee, Hyung Wook Park, Youngkeun Ahn, Myung Ho Jeong, Jeong Gwan Cho, Jong Chun Park, Chonnam National University Hospital, Gwangju, South Korea

### Arrhythmias and Clinical EP - Poster Contributions Session #1185

**Management of Ventricular Arrhythmias**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

033 - Electrocardiographic Variables Associated With Atrial Arrhythmias in Patients With Left Ventricular Noncompaction  
Vaibhav Vaidya, Melissa Lyle, Abhinav Nadipalli, Hector Michelena, Samuel Asirvatham, Heidi Connolly, Rowlen Melduni, Suraj Kapa, Mayo Clinic, Rochester, MN, USA, Rosalind Franklin University, Chicago, IL, USA

034 - Idiopathic Ventricular Arrhythmias May Be Associated With a Subclinical Cardiomyopathy as Assessed by Cardiac MRI T1 Mapping and Strain  
Adam Chee-Hey Lee, Wendy Strugnell, Christian Hamilton-Craig, Haris Haqqani, The Prince Charles Hospital, Brisbane, Queensland, Australia, The University of Queensland, Brisbane, Queensland, Australia

035 - Shifting Prevalence of Sites of Origin of Idiopathic Ventricular Arrhythmias  
Amole Ojo, Prakash Hari Krishnan, Daniel Frenkel, Rhadames Rojas, Sei Iwai, Jason Jacobson, Westchester Medical Center/New York Medical College, Valhalla, NY, USA

036 - Single Center Clinical Experience Using Isochronal Late Activation Mapping For Ablation of Ventricular Tachycardia  
Zaid Aziz, Andrew Beaser, Gaurav Upadhyay, Hemal Nayak, Roderick Tung, University of Chicago, Chicago, IL, USA

037 - Correlation of EKG Based Site of Origin of Ventricular Arrhythmias With Site of Inflammation on FDG-PET Scan in Patients With Arrhythmogenic Inflammatory Cardiomyopathy

Bharath Yarlagadda, Madhav Lavu, Tawseef Dar, Venkat Lakshmi Kishan Vuddanda, Ali Jazayeri, Mohit Turagam, Valay Parikh, Seth Sheldon, Rhea Pimentel, Martin Emert, Loren Berenbom, Raghuveer Dendi, Madhu Reddy, Kalyanam Shivkumar, Roderick Tung, Luigi Di Biase, Andrea Natale, Dhanunjaya R. Lakkireddy, Cardiovascular Research Institute, University of Kansas Medical Center, Kansas City, KS, USA

038 - Long QT Syndrome in the Hispanic Population: A Comparative Study  
Keila N. Lopez, Flora Nunez-Gallegos, Yunfei Wang, Bryan Cannon, Jeffrey Kim, Santiago Valdes, Baylor College of Medicine, Houston, TX, USA

039 - Rare Genetic Variants in *FLNC*-Encoded Filamin C May Serve as a Pathogenic Substrate For Arrhythmogenic Bi-Leaflet Mitral Valve Prolapse Syndrome With Concomitant Left Ventricular Enlargement  
John Giudicessi, Johan Bos, David Tester, Samuel Asirvatham, Suraj Kapa, Peter Noseworthy, Michael Ackerman, Mayo Clinic, Rochester, MN, USA

040 - Identifying High-Risk Patients Post Myocardial Infarction With Reduced Left Ventricular Function Using External Loop Recorders (INSPIRE-ELR study)  
Balbir Singh, Hygriv Rao, Ulhas Pandurang, C. Nanjappa Manjunath, Gautam Sharma, Ajay Naik, Ajit Thachil, Sharad Chandra, Vinayakrishnan Rajan, Bart Gerritse, Upendra Kaul, Nakul Sinha, Calambur Narasimhan, Premchand Kumar, Anil Saxena, Medanta Hospital, Gurgaon, India

042 - Single Center Experience of Ventricular Arrhythmias in Left Ventricular Assist Device Patients  
Aswini Kumar, Poojita Shivamurthy, Jason Gluck, Jeffrey Kluger, Hartford Hospital, Hartford, CT, USA

043 - Utility of Inferior Lead Q-Waves in Predicting Ventricular Tachycardia  
Swathi Subramany, Ajoy Kattoor, Naga Venkata Pothineni, Srikanth Vallurupalli, Hakan Paydak, University of Arkansas for Medical Sciences, Little Rock, AR, USA

044 - Prognostic Significance of Non-Ischaemic Myocardial Fibrosis in Patients With Normal LV Size and Function: A Large CMR Registry Study  
Amrit Lota, Adam Tsao, Amer Al-Balah, Akhil Patel, Simon Newsome, Florence Mouy, Brian Halliday, John Cleland, James Ware, Stuart Cook, Dudley Pennell, Sanjay Prasad, National Heart & Lung Institute, Imperial College London, London, United Kingdom, Cardiovascular Research Centre, Royal Brompton Hospital, London, United Kingdom

045 - Substrate Modification For the Management of Symptomatic Brugada Syndrome: A Systematic Review  
Gilson Costa Fernandes Filho, Amanda Dantas Ferreira Fernandes, Manuel Rivera, Guilherme Nasi, Rhanderson Cardoso, Jeffrey Goldberger, Raul Mitran, University of Miami, Miami, FL, USA

046 - Costs and Clinical Factors Associated With 30- and 60-Day Hospital Readmission After Ventricular Tachycardia Ablation  
Kristin Nosova, Brad Sutton, University of Louisville School of Medicine, Louisville, KY, USA

### Congenital Heart Disease - Poster Contributions Session #1207

**Being on the Right Side**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

357 - Excellent Durability of Homograft's in Pulmonary Position Analyzed in a Predefined Adult Group With Tetralogy of Fallot



Fleur Meijer, Philippine Kies, Monique Jongbloed, Mark Hazekamp, David Koolbergen, Nico Blom, Albert De Roos, Hubert Vliegen, Leiden University Medical Centre, Leiden, The Netherlands

358 - The Effect of Pulmonary Valve Replacement on QRS Duration in Tetralogy of Fallot

Yeabsra Alelign, Vaughn A. Eyvazian, Leigh Reardon, Jeremy Moore, Gentian Lluri, UCLA, Los Angeles, CA, USA

359 - Correlation Between Transthoracic Echocardiography and Cardiac Magnetic Resonance Imaging in the Assessment of Left Ventricular Function in Patients With Repaired Tetralogy of Fallot

Tam Doan, Shailendra Upadhyay, Ji Hyun Lee, Brooke Davey, Olga Toro-Salazar, Connecticut Children's Medical Center, Hartford, CT, USA

360 - Appropriate Use of Cardiac Magnetic Resonance Imaging For Monitoring Right Ventricle Enlargement in Pulmonary Regurgitation  
Majid El-Harasis, Nandini Sharma, Alexander Egbe, Mayo Clinic, Rochester, MN, USA

361 - Root and Leaflet Stret in Pulmonary Homograft in Ross Procedure: New Semi-Resorbable Device to Prevent Pulmonary Autograft Expansion?  
Francesco Nappi, Mario Fittipaldi, Centro Cardiac du Nord, Paris, France

362 - Functional Tricuspid Regurgitation After Transcatheter Closure of Atrial Septal Defect in Adult Patients  
Yoichi Takaya, Okayama University, Okayama, Japan

363 - Impact of Pulmonary Hypertension on Survival Following Device Closure of Atrial Septal Defect Is Limited by Age  
Lauren Sharan, Jordan Awerbach, Abraham Abernethy, Wael El Mallah, Richard Krasuski, Duke University Medical Center, Durham, NC, USA

364 - Resolution of Migraine With Aura After Transcatheter Patent Foramen Ovale Closure: Prospective Evaluation in Japanese Population  
Teiji Akagi, Yoichi Takaya, Hiroshi Ito, Koji Nakagawa, Sho Takahashi, Okayama University, Okayama, Japan

### Congenital Heart Disease - Poster Contributions Session #1208

**Caring For Patients In and Out of the Hospital**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

365 - Comparing Resource Utilization Among Pediatric Heart Transplant Indications Using a Novel, Merged Data Set From the United Network For Organ Sharing and the Pediatric Health Information Systems (UNOS-PHIS) Databases  
Danielle Burstein, Yimei Li, Kelly D. Getz, Yuan-Shung Huang, Joseph William Rossano, Matthew O'Connor, Kimberly Lin, Richard Aplenc, Children's Hospital of Philadelphia, Philadelphia, PA, USA

366 - Measuring Pediatric Cardiac Intensive Care Unit Quality in Medical Admissions  
Michael Gaies, Nancy Ghanayem, Jeffrey Alten, John Costello, Javier Lasa, Nikhil Chanani, Andrew Shin, Lauren Retzlaff, Wenying Zhang, Sara Pasquali, Mousumi Banerjee, Sarah Tabbutt, University of Michigan, Ann Arbor, MI, USA

367 - Factors Influencing Readmission Burden After Congenital Heart Surgery  
Alisha Floyd, Jacob Wilkes, Minkyung Yoo, Richard Nelson, James VanDerslice, L. LuAnn Minich, Nelangi Pinto, University of Utah, Salt Lake City, UT, USA

368 - Emergency Department Visits Among Children With Congenital Heart Disease in the United States From 2006 to 2014

Jonathan Edelson, Joseph William Rossano, Heather Griffis, Dingwei Dai, Jennifer Faerber, Chitra Ravishankar, Christopher Mascio, Laura Mercer-Rosa, Andrew Glatz, Kimberly Lin, Children's Hospital of Philadelphia, Philadelphia, PA, USA

369 - Causes of Late Mortality of Children Surviving Initial Congenital Heart Surgery: A Report From the Pediatric Cardiac Care Consortium  
Courtney McCracken, Logan Spector, Jessica Knight, Jeremiah Menk, James Moller, Lazaros Kochilas, Emory University School of Medicine, Atlanta, GA, USA, University of Minnesota, Minneapolis, MN, USA

370 - Congenital Heart Disease Survival in Low and Middle Income Countries: Linking Investment and Outcomes  
Sarah Rahman, K. M. Cherian, Jan Christensen, Kaitlin Doherty, David de Ferranti, Kimberlee Gauvreau, Patricia Hickey, Krishna Kumar, Jennifer Kupiec, William Novick, Nestor Sandoval, Bistra Zheleva, Kathy Jenkins, Boston Children's Hospital, Boston, MA, USA

371 - Social Risk Factors Impact Hospital Readmission For Children With Congenital Heart Disease  
Abby Demianczyk, Shashank Behere, Christian Pizarro, Deepika Thacker, Emily Delaplane, Erica Sood, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE, USA

372 - Quality of INR Control in a Centralized Pharmacist-Led Pediatric Cardiology Warfarin Management Program  
Joanne Lee, Jenna Murray, Sarah Wilkens, Yulin Zhang, Fred Nishioka, David Rosenthal, Stephen Roth, Daniel Murphy, Doff McElhinney, Christopher Almond, Stanford University, Palo Alto, CA, USA, Lucile Packard Children's Hospital Stanford, Palo Alto, CA, USA

**Heart Failure and Cardiomyopathies - Poster Contributions**  
**Session #1186**  
**New Frontiers in Metabolism and Fibrosis in Cardiomyopathy**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

047 - 12-Month Kinetics of Galectin-3 and Its Relationships With Extracellular Matrix Fibrosis and Cardiovascular Outcomes in Dilated Cardiomyopathy  
Pawel Rubis, Sylwia Wiśniowska-Smiałek, Ewa Dziewięcka, Lusine Khachatryan, Aleksandra Karabinowska, Maria Szymonowicz, Ewa Wypasek, Piotr Podolec, Department of Cardiac and Vascular Diseases, John Paul II Hospital, Krakow, Poland, Department of Molecular Biology, John Paul II Hospital, Krakow, Poland

048 - Associations Between Long Chain Ceramide Levels and Heart Failure Phenotypes in Stable Cardiac Patients  
Chonyang Albert, Ina Nemet, Hai Hoang Bui, Mingshan Kuo, Yuping Wu, Marian Moser, Stanley Hazen, Wai Hong Tang, Cleveland Clinic, Cleveland, OH, USA

049 - Novel Cardiac Fibroblast-Derived Extracellular Matrix Educates Monocytes Into Alternatively Activated Macrophages With Low Inflammatory Marker Expression  
Keith Spinalli, Eric Schmuck, Sydney Walker, Anisa Dhillon, John Kink, Debra Bloom, Peiman Hematti, Amish Raval, University of Wisconsin Madison, Madison, WI, USA

050 - Curcumin Inhibits Endothelial Mesenchymal Transition by Suppressing Toll-Like Receptor 4 Pathways  
Yunzhao Hu, Gaifeng Hu, Yuli Huang, Meijun Li, Shunde Hospital, Southern Medical University, Foshan, People's Republic of China



051 - The Warburg Effect in the Heart: Increased Glucose Metabolism Drives Cardiomyocyte Hypertrophy in Response to Adrenergic Stimulation  
Giovanni Davogustto, William Dillon, Rebecca Salazar, Hernan Vasquez, Heinrich Taegtmeier, Vanderbilt University Medical Center, Nashville, TN, USA, The University of Texas Health Science Center at Houston, Houston, TX, USA

052 - Metabolomics Profiling of Left Ventricular Diastolic Dysfunction in Women With, or at Risk For HIV Infection: The Women's Interagency HIV Study  
Claudio Bravo, Simin Hua, Clary B. Clish, Justin Scott, Amy Deik, Robert C. Kaplan, Jason Lazar, Kathryn Anastos, Octavio A. Robles, Jorge Kizer, Qibin Qi, Albert Einstein College of Medicine, Bronx, NY, USA

053 - Reduction in Myocyte Autophagy Contributes to Left Ventricular Remodeling After Myocardial Infarction in Rabbits: Normalization by Antioxidants  
Rui-Fang Chi, Jia-Pu Wang, Ke Wang, Xiao-Li Zhang, Yue-An Zhang, Fu-Zhong Qin, Xue-Bin Han, The Affiliated Cardiovascular Hospital of Shanxi Medical University, Taiyuan, People's Republic of China, Shanxi Medical University, Taiyuan, People's Republic of China

054 - Anti-Fibrotic Effects of Neuregulin-1 $\beta$  Via Suppression of Endothelial to Mesenchymal Transition in Diabetic Cardiomyopathy  
Yuli Huang, Yu Wu, Yunzhao Hu, Gaifeng Hu, Weijun Huang, Shunde Hospital, Southern Medical University, Foshan, People's Republic of China

### Heart Failure and Cardiomyopathies - Poster Contributions Session #1187

#### Shocking News About Shock and Heart Failure

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

055 - Continuous Home Intravenous Inotropic Therapy Decreases Symptom Severity and May Reduce Hospitalizations in Patients With Advanced Heart Failure  
Allyson Checkley, Samantha Kile, Loretta Kristofek, Danielle Brunjes, William Bolgar, Vinay Thohan, MaryJane Farr, Jonathan Rich, Coram CVS Specialty Infusion Services, Denver, CO, USA

056 - Outcomes in Patients With Mechanical and Bio-Prosthetic Valves Undergoing Left Ventricular Assist Device Implantation  
Fatima Khan, Farhan Raza, Donald C. Haas, Soundarapandian Vijayakumar, Rene Alvarez, Danbury Hospital, Danbury, CT, USA, Temple University, Philadelphia, PA, USA

057 - Incidence of Stroke Increases With Prolonged Use of Impella Percutaneous Left Ventricular Assist Device  
Italo Novo, Gabriel Hernandez, Rajiv Parmar, Jonatan Nunez Breton, Vanessa Blumer, Sandra Chaparro, Jackson Memorial Hospital, Miami, FL, USA, University of Miami Hospital, Miami, FL, USA

058 - Mechanical Circulatory Support For Acute Myocardial Infarction Beyond Cardiogenic Shock: Role of Impella Versus Intraaortic Balloon Pump in Mid-Term Myocardial Recovery  
Federico Pappalardo, Tania Sorrentino, Marina Pieri, Michele Oppizzi, Giulio Melisurgo, Rosalba Lembo, Alberto Zangrillo, IRCCS San Raffaele Scientific Institute, Milan, Italy

059 - White Blood Cell Count to Platelet Ratio: A Novel Biomarker For Predicting Outcomes in Patients on Circulatory Support Devices  
Basma Abdulhadi, Mario Naranjo, Parasuram Krishnamoorthy, Janani Rangaswami, Einstein Medical Center, Philadelphia, PA, USA

060 - Prolonged Use of Levitronix Right Ventricular Assist Device (RVAD) in Patients With Long Term Left Ventricular Assist Device (LVAD)  
Syed Mohiyaddin, Adnan Yousaf, Ahmed Hailan, Mohammed Aldweik, Morriston Cardiac Centre, Swansea, United Kingdom

061 - Evaluation of a Thromboelastography and Platelet Function-Guided Protocol For Management of Ventricular Assist Devices  
Avesha Ather, Sandeep Devabhakthuni, Vijay Ivaturi, Khue Ton, Brent Reed, University of Maryland School of Pharmacy, Baltimore, MD, USA, University of Kentucky HealthCare, Lexington, KY, USA

062 - Comparison of Pulmonary Artery Catheter Use in Cardiogenic Shock Versus Septic Shock  
Gbolahan Ogunbayo, Patricia Santos, Naoki Misumida, Le Dung Ha, Suartcha Prueksaritanond, Karam Ayoub, Meera Marji, Andrew Kolodziej, Ahmed Abdel-Latif, Maya Guglin, University of Kentucky, Lexington, KY, USA

063 - Vasoactive Inotropic Score as a Predictor of Mortality in Adult Patients With Cardiogenic Shock  
Soo Jin Na, Chi Ryang Chung, Yang Hyun Cho, Kyeongman Jeon, Gee Young Suh, Joong Hyun Ahn, Keumhee C. Carriere, Taek Kyu Park, Ga Yeon Lee, Joo Myung Lee, Young Bin Song, Joo-Yong Hahn, Jin-Ho Choi, Seung-Hyuk Choi, Hyeon-Cheol Gwon, Jeong Hoon Yang, Department of Critical Care Medicine, Samsung Medical Center, Seoul, South Korea, Sungkyunkwan University School of Medicine, Seoul, South Korea

064 - Impella Support For Cardiogenic Shock Secondary to Acute Myocarditis  
Marinos Charalambous, Perwaiz Meraj, Rajiv Jauhar, Joseph Donnelly, Andrea Mignatti, Avneet Singh, North Shore University Hospital, Manhasset, USA

065 - LVAD ECG Artifact Reflecting HeartWare Pump Speed  
Sarah Schettle, Mahwash Kassi, Rabea Asleh, Naveen Pereira, Simon Maltais, John Stulak, Barry Boilson, Mayo Clinic, Rochester, MN, USA

066 - Improvement of Hemodynamics After Left Ventricular Assist Device Placement Is Independent of Right Ventricular Outflow Tract Notching  
Maria Pabon, Farhan Raza, Irina Sobol, Udhay Krishnan, Evelyn M. Horn, Maria Karas, Weill Cornell Medical College, New York, NY, USA, New York Presbyterian Hospital, New York, NY, USA

067 - Coronary Artery Disease and Right Ventricular Function Predict Outcomes After Ventricular Assist Device Placement  
Stephanie Wu, Peter Xu, Andy Lee, Michael Fong, University of Southern California Internal Medicine, Los Angeles, CA, USA, University of Southern California Cardiology, Los Angeles, CA, USA

068 - Effects of Carperitide Depending on Degree of Pulmonary Congestion  
Yuichi Kawase, Reo Hata, Takeshi Tada, Kazushige Kadota, Kurashiki Central Hospital, Kurashiki, Japan

069 - Assessment of Sleep in Patients With Chronic Heart Failure Using Peripheral Arterial Tone Measurement  
Thomas Bitter, Florian Schindhelm, Henrik Fox, Dieter Horstkotte, Olaf Oldenburg, Clinic for Cardiology, Herz- und Diabeteszentrum NRW, Ruhr-Universität Bochum, Bad Oeynhausen, Germany

070 - Long-Term Follow Up of Acute Heart Failure Patients Underwent Levosimendan Infusion: Identification of Responders and Non-Responders by Using HLM Classification  
Maria Alfarano, Paolo Severino, Ilaria Mancini, Mariateresa Pucci, Elisa Pagliaroli, Martina Straito, Ilaria Ferrari, Stefano Peroni, Simone Calcagno, Antonio Fusto, Massimo Mancone, Francesco Fedele, Sapienza University of Rome, Rome, Italy





### Heart Failure and Cardiomyopathies - Poster Contributions Session #1188

#### Defining Risk, Prognosis and Stratification Tools

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

#### 071 - A TNM-Like Staging System For Risk Stratification in Heart Failure Patients

Maria Alfarano, Paolo Severino, Mariateresa Pucci, Ilaria Mancini, Ilaria Ferrari, Stefano Peroni, Simone Calcagno, Antonio Fusto, Danilo Alunni Fegatelli, Susanna Sciommer, Annarita Vestri, Massimo Mancone, Francesco Fedele, Sapienza University of Rome, Policlinico Umberto I, Rome, Italy, Sapienza University of Rome, Department of Public Health and Infectious Diseases, Rome, Italy

#### 072 - Medicare-Validated Readmission Score Maintains Prognostic Value in Real-World Heart Failure

Connie Lewis, Pikki Lai, Zachary Cox, Vanderbilt University Medical Center, Nashville, TN, USA, Lipscomb University College of Pharmacy, Nashville, TN, USA

#### 073 - The Prognostic Value of Left Atrial Function by Speckle Tracking Strain Imaging in Patients With Peripartum Cardiomyopathy

Yuko Soyama, Dennis McNamara, Masataka Sugahara, Joan Briller, Leslie Cooper, Julie Damp, Mark Drazner, James Fett, Eileen Hsich, Navin Rajagopalan, Nobuyuki Kagiya, John Gorcsan III, Washington University in St. Louis, Saint Louis, MO, USA, University of Pittsburgh, Pittsburgh, PA, USA

#### 074 - Usefulness of Combined Right Ventricular Ejection Fraction and the Mode of End-Stage Liver Disease Score For Worsening Heart Failure in Chronic Heart Failure

Eiji Fukuhara, Takahisa Yamada, Takahisa Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Jun Nakamura, Makoto Abe, Kiyomi Kayama, Masatsugu Kawahira, Kazuya Tanabe, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

#### 075 - Prediction of Mode of Death by Diuretic Resistance in Patients Admitted For Acute Decompensated Heart Failure With Reduced and Preserved Left Ventricular Ejection Fraction: A Prospective Study

Eiji Fukuhara, Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Makoto Abe, Jun Nakamura, Kiyomi Kayama, Masatsugu Kawahira, Kazuya Tanabe, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

#### 076 - Reduced Resting Oxygen Consumption Index Is Associated With Worse Short-Term Outcomes in Advanced Heart Failure Patients

Thomas Cascino, Daniel Perry, Gillian Grafton, Todd M. Koelling, University of Michigan, Ann Arbor, MI, USA

#### 077 - Get With the Guidelines-Heart Failure Risk Score Is Useful For the Prediction of Mode of Death in Patients Admitted For Acute Decompensated Heart Failure

Shunsuke Tamaki, Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Makoto Abe, Kiyomi Kayama, Masatsugu Kawahira, Kazuya Tanabe, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

#### 078 - Prognostic Value of Charlson Comorbidity Index in Patients Admitted For Acute Decompensated Heart Failure With Reduced or Preserved Left Ventricular Ejection Fraction: A Prospective Study

Shunsuke Tamaki, Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Makoto Abe, Jun Nakamura, Kiyomi Kayama, Kazuya Tanabe, Masatsugu Kawahira, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

#### 079 - N-Terminal Pro-B-Type Natriuretic Peptide Versus Clinical Risk Scores For Prognostic Stratification in Heart Failure Patients

Chiara Arzilli, Alberto Aimò, Giuseppe Vergaro, Alessandra Gabutti, Andrea Ripoli, Michele Senni, Michele Emdin, Claudio Passino, Fondazione Toscana Gabriele Monasterio, Pisa, Italy

#### 080 - Increased Left Atrial Volume Index Is Associated With Worse Outcomes in Heart Failure With Preserved Ejection Fraction

Alex Michael Parker, Kenneth Bilchick, Hunter Mwansa, Anthony Peters, Khadijah Breathlet, Mwenya Mubanga, Jamie Kennedy, Mohammed Abuannadi, James Bergin, Sula Mazimba, University of Virginia, Charlottesville, VA, USA

#### 081 - Right Atrial Pressure to Stroke Volume Ratio Predicts Adverse Outcomes in Advanced Heart Failure

Jigna Solanki, Kenneth Bilchick, Jose Tallaj, Sula Mazimba, University of Virginia, Charlottesville, VA, USA

#### 082 - Prognostic Value of Biomarker of Collagen Turnover (C-Terminal Telopeptide) in Patients With Non-ST-Elevation Acute Coronary Syndromes: Insights From MERLIN-TIMI 36

Thomas Zelinker, Petr Jarolim, Benjamin Scirica, Eugene Braunwald, Jeong-Gun Park, Saumya Das, Marc Sabatine, David A. Morrow, TIMI Study Group, Division of Cardiovascular Medicine, Brigham and Women's Hospital & HMS, Boston, MA, USA

#### 083 - Long-Term Outcome of Medical Treatment For Chronic Ischemic Mitral Regurgitation

Duk-Hyun Kang, Ran Heo, Seung-Ah Lee, Sahmin Lee, Dae-Hee Kim, Jong-Min Song, Kee-Joon Choi, Jae-Kwan Song, Joo-Hee Zo, Asan Medical Center, Seoul, South Korea, Boramae Hospital, Seoul, South Korea

#### 084 - Frailty Independently Predicts Hospitalization Burden in Heart Failure With Preserved Ejection Fraction

Mohamed-Ali Sareini, Whitney Hornsby, Fadi Alreefi, Matthew Konerman, Scott L. Hummel, University of Michigan, Ann Arbor, MI, USA

#### 085 - Outcomes of Weekend Versus Weekday Admission For Acute Decompensated Heart Failure in Patients With Reduced Ejection Fraction: The Atherosclerosis Risk in Communities Surveillance Study

Louisa Mounsey, Patricia Chang, Carla Sueta, Kunihiro Matsushita, Stuart Russell, Edgar Miller, Melissa Caughey, University of North Carolina, Chapel Hill, NC, USA

#### 086 - Integrating Correlation Based Networks Into Risk Prognostication of Cardiomyopathy

Kegan James Moneghetti, Juyong Kim, Yukari Kobayashi, Kalyani Boralkar, Matthew Wheeler, Euan Ashley, Francois Haddad, Stanford University, Stanford, CA, USA

#### 087 - Low Heart Rate in Combination With Low Blood Pressure in Patients With Acute Decompensated Heart Failure Associates With Increased Risk of Cardiovascular Mortality

Masaru Hiki, Hiroshi Iwata, Kiyoshi Takasu, Go Ishikawa, Yuichi Chikata, Takatoshi Kasai, Tetsuro Miyazaki, Kenji Inoue, Yasumasa Fujiwara, Masataka Sumiyoshi, Hiroyuki Daida, Juntendo University Graduate School of Medicine, Tokyo, Japan



088 - The Complementary Value of the Get With the Guidelines: Heart Failure Risk Score and Laboratory Markers at Discharge in Predicting Mortality in Patients Hospitalized With Heart Failure With Preserved Ejection Fraction  
Kalyani Boralkar, Yukari Kobayashi, Vedant Pargaonkar, Kegan Moneghetti, Mirela Tuzovic, Gomathi Krishnan, Myriam Amsellem, Tatiana Kouznetsova, Benjamin Horne, Kirk Knowlton, Paul Heidenreich, Francois Haddad, Stanford School of Medicine, Stanford, CA, USA, Intermountain Medical Center Heart Institute, Salt Lake City, UT, USA

089 - Co-Morbidities and Ethnicity/Race Predict Morbidity and Mortality in High Risk Heart Failure Patients With Systolic Dysfunction: The GUIDE-IT Predictive Risk Model  
Christopher M. O'Connor, Mona Fiazat, Adrian Coles, Hillary Mulder, Kevin Anstrom, Tariq Ahmad, Kirkwood Adams, Ileana L. Pina, Lawton Cooper, Patrice Nickens, Daniel Mark, Justin Ezekowitz, James Januzzi, Eric Leifer, G. Michael Felker, Inova Heart & Vascular Institute, Falls Church, VA, USA, Duke Clinical Research Institute, NC, USA

090 - Use of a Risk Model to Identify Heart Failure Patients at High Risk For In-Hospital Mortality and Readmission  
Mohamed Mohamed, Larissa Stanberry, Ross Garberich, Mosi Bennett, Minneapolis Heart Institute Foundation, Minneapolis, MN, USA

091 - Hyperlipidemia Paradox: Hyperlipidemia Lowers the Risk of Death and Attenuates the Mortality Risk of Other Comorbid Conditions After Hospitalization For Acute Myocardial Infarction and Heart Failure  
Mohammed Yousufuddin, Jessica Shultz, Lawrence Keenan, Taylor Doyle, Ahmmad Eimad, Tammy Olson, Paul Takahashi, M. Hassan Murad, Mayo Clinic Health System, Austin, MN, USA, Mayo Clinic, Rochester, MN, USA

092 - Prediction of Mode of Death by Model of End-Stage Liver Disease Excluding INR (MELD-XI) Scoring System in Patients Admitted For Acute Decompensated Heart Failure With Preserved and Reduced Ejection Fraction: A Comparison With Non-Invasive Liver Fibrosis Markers  
Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Makoto Abe, Kazuya Tanabe, Kiyomi Kayama, Masatsugu Kawahira, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

093 - Prognostic Value of the Combination of Cardiac Power Index and Model of End-Stage Liver Disease Excluding INR (MELD-XI) Score in Patients Admitted For Acute Decompensated Heart Failure  
Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Kazuya Tanabe, Kiyomi Kayama, Masatsugu Kawahira, Makoto Abe, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

094 - Long-Term Prognostic Value of Systemic Arterial Pulsatility Index in Patients Admitted With Acute Decompensated Heart Failure  
Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Makoto Abe, Kazuya Tanabe, Kiyomi Kayama, Masatsugu Kawahira, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

095 - Prognostic Impact of Malnutrition and Fat Volume in Men Versus Women With Acute Decompensated Heart Failure  
Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Makoto Abe, Kazuya Tanabe, Kiyomi Kayama, Masatsugu Kawahira, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

096 - Prognostic Value of the Combination of Simple Risk Index and Moderate to Severe Acute Kidney Injury in Patients Admitted For Acute Decompensated Heart Failure  
Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Makoto Abe, Kazuya Tanabe, Kiyomi Kayama, Masatsugu Kawahira, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

097 - Geriatric Nutritional Risk Index Provides the Additional Long-Term Prognostic Information to ADHERE Risk Level in Patients Admitted For Acute Decompensated Heart Failure  
Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Makoto Abe, Kazuya Tanabe, Kiyomi Kayama, Masatsugu Kawahira, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

098 - Long-Term Prognostic Value of the Combination of the Get With the Guidelines-Heart Failure Risk Score and Acute Kidney Injury in Patients With Admitted For Acute Decompensated Heart Failure  
Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Jun Nakamura, Makoto Abe, Kazuya Tanabe, Kiyomi Kayama, Masatsugu Kawahira, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

099 - Medicare or Medicaid Enrollment Increases Risk of 30 Day Readmissions For Heart Failure Patients  
Brian Allen, Clay Cauthen, University of Texas at Austin Dell Medical School, Austin, TX, USA

100 - Cognitive Impairment Is Not Associated With Asymptomatic Left Ventricular Dysfunction as Assessed by Global Longitudinal Strain in Elderly Patients at Risk of Heart Failure  
Liz Potter, Nimna Perera, Thomas H. Marwick, Baker Heart and Diabetes Institute, Melbourne, Australia

101 - Use of LACE Index to Predict the Risk of Readmission in Patients With Acute Decompensated Heart Failure in a Predominant Hispanic Population  
Eder Hans Cativo Calderon, Tuoyo Mene-Afejuku, Diana P. Cativo, Persio Lopez, Hans Reyes Garay, Marco Ruiz, Ferdinand Visco, New York Medical College, Metropolitan Hospital, New York, NY, USA

102 - Soluble ST2 Levels Show Promising Trend With Increasing Left Ventricular Mass in Ambulatory Heart Failure Cohort  
Jennifer M. McLeod, Jeffrey Tran, Luanda Grazette, University of Southern California Keck School of Medicine, Los Angeles, CA, USA

103 - Prospective Association of Heart Rate Variability and Heart Failure, Heart Failure With Preserved Ejection Fraction, Heart Failure With Reduced Ejection Fraction in Postmenopausal Women  
Reema Qureshi, Ahmed S. Mohamed, Mary Roberts, Lisa W. Martin, Matthew A. Allison, Michael J. LaMonte, Simin Liu, Zhan-Peng Huang, JoAnn Manson, Charles Eaton, Brown University, Providence, RI, USA

104 - Predictors of Readmission or Death Among Patients Who Were Discharged Alive With a First Diagnosis of Heart Failure in a Statewide Database  
William J. Kostis, Handing Xie, Davit Sargsyan, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

105 - Predictors of 6-Month Heart Failure Readmission and Death in Older Patients With Heart Failure With Preserved Versus Reduced Ejection Fraction





Cherinne Arundel, Helen Sheriff, Fahad K. Lodhi, Charity Morgan, Steven Singh, [Phillip H. Lam](#), Selma Mohammed, Charles Faselis, Gregg C. Fonarow, Ali Ahmed, Washington DC Veterans Affairs Medical Center, Washington, DC, USA, George Washington University, Washington, DC, USA

106 - Prognostic Significance of Serum Cholinesterase in Patients Admitted For Acute Decompensated Heart Failure  
[Masahiro Seo](#), Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Eiji Fukuhara, Iyo Ikeda, Jun Nakamura, Makoto Abe, Kiyomi Kayama, Masatsugu Kawahira, Kazuya Tanabe, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

107 - Prognostic Value of Right Ventricular Systolic Dysfunction in Heart Failure With Reduced Ejection Fraction  
[Anne-Catherine Pouleur](#), Marie-Bénédicte Bénats, Sylvie A. Ahn, Christophe de Meester, Mihaela Amzulescu, David Vancraeynest, Agnès Pasquet, Jean-Louis Vanoverschelde, Bernhard Gerber, Michel Rousseau, Cliniques Universitaires St. Luc, Brussels, Belgium

108 - Baseline Fragmented QRS Is Associated With Increased Overall Mortality in Heart Failure With Reduced Ejection Fraction: A Systematic Review and Meta-Analysis  
[Chanavuth Kanitsoraphan](#), Pattara Rattanawong, Poemlarp Mekraksakit, Pakawat Chongsathidkiet, Tanawan Riangwiwat, Napatt Kanjanahattakij, Wasawat Vutthikraivit, Saranapoom Klomjit, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

109 - Which Objective Nutritional Index Is the Most Useful For the Prediction of One-Year Heart Failure Readmission in Elderly Patients With Acute Decompensated Heart Failure?  
[Yoshihiro Sato](#), Masahiro Kumada, Takuma Iida, Yukinori Okazaki, Tsutomu Nakagawa, Toyonaka Municipal Hospital, Osaka, Japan

110 - Prediction of All Cause Death in Patients With Acute Decompensated Heart Failure Using the Combination of the Fibrosis-4 Index and Geriatric Nutritional Risk Index  
[Yoshihiro Sato](#), Masahiro Kumada, Takuma Iida, Yukinori Okazaki, Tsutomu Nakagawa, Toyonaka Municipal Hospital, Toyonaka, Japan

### Interventional Cardiology - Poster Contributions

#### Session #1194

#### Switching Antithrombotic Therapies and Genetic and Platelet Function Testing

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

223 - Thirty Day Clinical Outcomes Following Implementation of CYP2C19 Genotype-Guided Dual Antiplatelet Therapy  
[Melissa Klein](#), Vindhya B. Sriramoju, Alexandra Cervantes, Nicholas Varunok, Shivanshu Madan, Karen Weck, Craig Lee, George Stouffer, University of North Carolina School of Medicine, Chapel Hill, NC, USA

224 - Outcomes of Switching P2Y12 Inhibitors in Patients Who Underwent Percutaneous Coronary Intervention: A Retrospective Cohort Study  
[Angel Yi Nam Fu](#), Dylan Perry-Nguyen, Uyen Tran, Trevor Simard, Michel Le May, Marino Labinaz, Alexander Dick, Chris Glover, Michael Froeschl, Benjamin Hibbert, Aun-Yeong Chong, Derek So, University of Ottawa Heart Institute, Ottawa, Canada

225 - The Impact of P2Y12 Inhibitors Switch in Patients With Acute Coronary Syndrome Treated With Drug-Eluting Stents Prior to Discharge  
Ron Waksman, [M. Chadi Alraies](#), Kyle Buchanan, Deepakraj Gajana, Micaela Iantorno, Toby Rogers, Rebecca Torguson, Linzhi Xu, Itsik Ben-Dor,

Lowell Satler, William Suddath, William S. Weintraub, MedStar Washington Hospital Center, Washington, DC, USA

226 - Clinical Outcomes Associated With De-Escalation From Ticagrelor to Clopidogrel in Patients With Acute Coronary Syndrome  
[Dominick Angiolillo](#), Roshan Shah, Dara Paek, Toby Sayre, Alicia Clausel, Shalini Girotra, Doctor Evidence, Santa Monica, CA, USA, Sanofi-Aventis, Singapore, Singapore

227 - Prevalence and Timing of De-Escalation Therapy From Ticagrelor to Clopidogrel in Acute Coronary Syndrome Patients: Results of a Meta-Analysis  
[Dominick Angiolillo](#), Dara Paek, Roshan Shah, Mir Fazeli, Shalini Girotra, Doctor Evidence, Santa Monica, CA, USA, Sanofi, Singapore, Singapore

228 - Pharmacodynamic Effects of Switching From Ticagrelor to Clopidogrel in Patients With Coronary Artery Disease: Results of the Prospective, Randomized SWAP (Switching Antiplatelet Therapy)-4 Study  
[Francesco Franchi](#), Fabiana Rollini, Jose Rivas, Andrea Rivas, Malhar Agarwal, Megha Kureti, Deepa Nagaraju, Mustafa Wali, Zuber Shaikh, Maryuri Maldonado, Latonya Been, Siva Suryadevara, Daniel Soffer, Martin Zenni, Theodore Bass, Dominick Angiolillo, University of Florida College of Medicine - Jacksonville, Jacksonville, FL, USA

229 - Bedside Testing of CYP2C19 Genotype to Guide Antiplatelet Therapy: Implementation in the Catheterization Laboratory  
[Paul A. Gurbel](#), Rachel Bell, Kevin Bliden, Shahram Yazdani, Hamid Taheri, Marjaneh Akbari, Behnam Tehrani, Heather Russell, Ramaswamy Iyer, Udaya Tantry, Inova Heart and Vascular Institute, Falls Church, VA, USA

230 - Age and Outcomes Following Guided De-Escalation of Antiplatelet Treatment in Acute Coronary Syndrome Patients Undergoing Percutaneous Coronary Intervention: Results of a Randomized Multicentre Trial  
[Dirk Sibbing](#), Lisa Gross, Dietmar Trenk, Claudius Jacobshagen, Tobias Geisler, Martin Hadamitzky, Bela Merkely, Robert Kiss, András Komócsi, Radoslaw Parma, Tommaso Gori, Stephan Felix, Robert Schwinger, Franz-Josef Neumann, Joerg Hausleiter, Monika Baylacher, Lukasz Koltowski, Julinda Mehilli, Kurt Huber, Zenon Huczek, Daniel Aradi, Steffen Massberg, Department of Cardiology, LMU University Munich, Munich, Germany

231 - Genotype-Phenotype Association and Impact on Outcomes Following Guided De-Escalation of Antiplatelet Therapy in Acute Coronary Syndrome Patients  
[Tobias Geisler](#), Lisa Gross, Fabian Stimpfle, Anne Krieg, Martin Hadamitzky, Meinrad Gawaz, Steffen Massberg, Daniel Aradi, Claudius Jacobshagen, Dietmar Trenk, Dirk Sibbing, University Hospital Tuebingen, Tuebingen, Germany, LMU University Munich, Munich, Germany

232 - Novel CYP2C19 Genetic Variants Associated With Stent Thrombosis: A Next Generation Sequencing Study  
[Kashish Goel](#), Saurabh Baheti, Axel Åkerblom, Niclas Eriksson, Lars Wallentin, Shaun Goodman, Greg Jenkins, Suzette Bielinski, Veronique Roger, Charanjit Rihal, Naveen Pereira, Mayo Clinic, Rochester, MN, USA, Uppsala Clinical Research Center, Uppsala, Sweden

233 - Is It Safe to Switch OAC in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention? Results From a RE-DUAL PCI Subanalysis

[Jurrien Ten Berg](#), Anne de Veer, Jonas Oldgren, Philippe Steg, Dmitry Aleksandrovich Zateyshchikov, Petr Janský, Ki-Bae Seung, Stefan Hohnloser, Gregory Lip, Matias Nordaby, Eva Kleine, Deepak Bhatt, Christopher Cannon, St. Antonius Ziekenhuis, Nieuwegein, The Netherlands

234 - CYP2C19 Genotype Ethnic and Gender Distribution For a Treatment-Based Cohort Receiving Clopidogrel After PCI in the Upper Midwest



Maheedhar Gedela, Filip Oleszak, Shenjing Li, Udit Bhatnagar, Jeffrey Wilson, Chirag Desai, Paul Thompson, Russell Wilke, Adam Stys, Tomasz Stys, Sanford Cardiovascular Institute, Sioux Falls, SD, USA

### Interventional Cardiology - Poster Contributions

#### Session #1195

#### Complex Patients and Comorbidities: Chest Pain and Acute Coronary Syndromes

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

235 - Treatment Bias and Outcomes of Patients With Human Immunodeficiency Virus Infection Admitted For Acute Myocardial Infarction  
Gbolahan Ogunbayo, Le Dung Ha, Qamar Ahmad, Naoki Misumida, Ayman Elbadawi, Odunayo Olorunfemi, Suartcha Prueksaritanond, Patricia Santos, Adrian Messerli, University of Kentucky, Lexington, KY, USA, Rochester General Hospital, Rochester, NY, USA

236 - PCI in Patients on Long Term Anticoagulation Presenting With STEMI  
Prashant Patel, Suneel Kumar, Steven Deutsch, Ashis Mukherjee, Prabhdeep Sethi, St. Bernardine Medical Center/UCR School of Medicine, San Bernardino, CA, USA

237 - Incidence, Patterns and Associations Between Dual Antiplatelet Therapy Cessation and Risk For Adverse Events in High-Risk Patients: Insights From the PARIS Registry  
Sabato Sorrentino, Usman Baber, Gennaro Giustino, Samantha Sartori, Jaya Chandrasekhar, Clayton Snyder, Serdar Farhan, Birgit Vogel, Ge Zhen, Ariti Cono, C. Michael Gibson, Mitchell Krucoff, David J. Moliterno, Alaide Chieffo, Timothy Henry, Giora Weisz, Ioannis Iakovou, Antonio Colombo, Thomas Stuckey, Annapoorna Subhash Kini, Bernhard Witzensbichler, Philippe G. Steg, George Dangas, Stuart Pocock, Roxana Mehran, Mount Sinai, New York, NY, USA

238 - Contemporary Trends in the Utilization and Outcomes of Invasive Strategy in Elderly Patients Hospitalized With an NSTEMI: Analysis From the National Inpatient Sample (NIS)  
Gursukhmandeep Sidhu, Samir Pancholy, The Wright Center for Graduate Medical Education, Scranton, PA, USA

239 - Ticagrelor Monotherapy in Aspirin-Allergic Patients Post-Coronary Stenting After Acute Coronary Syndrome: A Case Series  
Grace Shu-Wen Chang, Syed Saqib Imran, Khang Leng Leow, Doreen Tan, Khoo Teck Puat Hospital, Singapore, Singapore

240 - Long-Term Outcomes of a Ranolazine Refractory Angina Registry: 3 Years Results  
Ross Garberich, Jay Traverse, Theresa Arndt, Noel Bennett, Timothy Henry, Minneapolis Heart Institute Foundation at Abbott Northwestern Hospital, Minneapolis, MN, USA

241 - Spontaneous Coronary Artery Dissection: Gender Influence on Age of Onset, and Drivers For Revascularization Within the Alberta Provincial Project For Outcome Assessment in Coronary Heart Disease Registry  
Ravi Ramlal, Umair Iftikhar, Ashim Verma, Lisa Bilston, Bryan Har, Jacqueline W. L. Saw, University of Calgary, Cumming School of Medicine, Calgary, Canada, Libin Cardiovascular Institute of Alberta, Calgary, Canada

242 - Percutaneous Ventricular Assist Device Versus Intra-Aortic Balloon Pump For Hemodynamic Support in Patients With Cardiogenic Shock: Insights From Nationwide Inpatient Sample  
Elena Dolmatova, Kasra Moazzami, Pallavi Solanki, James Maher, Marc Klapholz, Alfonso Waller, Rutgers New Jersey Medical School, Newark, NJ, USA

### Interventional Cardiology - Poster Contributions

#### Session #1196

#### Aortic Valve Disease: Optimizing TAVR

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

243 - Effect of Aortic Valve Anatomy and Operator Experience in Transcatheter Aortic Valve Implantation Procedure Duration  
Udit Bhatnagar, Julia Stys, Filip Oleszak, Maheedhar Gedela, Chirag Desai, Tomasz Stys, Adam Stys, University of South Dakota and Sanford School of Medicine, Sioux Falls, SD, USA

244 - Clinical Outcomes and Safety of Transcatheter Aortic Valve Replacement With and Without Routine Use of Transesophageal Echocardiography  
Udit Bhatnagar, Terezia Petraskova, Maheedhar Gedela, Chirag Desai, Tomasz Stys, Adam Stys, University of South Dakota and Sanford School of Medicine, Sioux Falls, SD, USA

245 - 90-Day Cost and Clinical Outcomes Comparing TAVR to SAVR: Do the Economics Work?  
April W. Simon, Aaron Kugelmass, Phillip Brown, Matthew Reynolds, David Cohen, Marc Katz, Steven Culler, Healthtrust, Nashville, TN, USA

246 - Reducing Cost of TAVR Program Through Applying Lean Processes  
Zaher Fanari, Tim Zinselmeier, Jennifer Nicholson, Heil Kurt, Shailesh Nandish, John Gill, Nilesh Goswami, Jeffrey Goldstein, Gregory Mishkel, Prairie Heart Institute, Springfield, IL, USA, Heartland Cardiology and Wesley Medical Center, Wichita, KS, USA

247 - Routine Early Discharge After Transcatheter Aortic Valve Replacement: A Propensity Score Analysis From the PARTNER 2 SAPIEN 3 Study  
Chandan M. Devireddy, Vasilis C. Babaliaros, Robert A. Guyton, James Stewart, Yangbo Liu, Raj Makkar, Michael J. Mack, Brian Whisenant, Stephen Ramee, Paul Teirstein, Thomas McAndrew, Aaron Crowley, Susheel K. Kodali, Suzanne Baron, David Cohen, Martin B. Leon, Vinod H. Thourani, Emory University, Atlanta, GA, USA

248 - Substantial Improvement in Quality of Life After Transcatheter Aortic Valve Replacement: Single Center Experience  
Jose Benuzillo, Donald Lappe, Kent Jones, Lynn Harris, Colleen Roberts, Edward Miner, Brian Whisenant, Intermountain Healthcare, Salt Lake City, UT, USA

249 - Predictors of Non-Home Discharge After Transcatheter Aortic Valve Replacement: A Single Center's Experience  
Alexis Okoh, Dhaval Chauhan, Christopher Pettit, Ahmed Javed, Bruce Haik, Marc Cohen, Chunguang Chen, Mark Russo, RWJBarnabas Health/Newark Beth Israel Medical Center, Newark, NJ, USA

250 - Comparison of Monitored Anesthesia Care and General Anesthesia For Transcatheter Aortic Valve Replacement (TAVR)  
Olga Kisliitsina, Danielle Smith, Duc Pham, Andrei Churyla, Mark Ricciardi, Ranya Sweis, Charles Davidson, James Flaherty, Jane Kruse, Patrick McCarthy, S. Chris Malaisrie, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

251 - Implementation of a Post-Transcatheter Valve Replacement (TAVR) Fast-Track Care Protocol With a Focus on Next-Day Discharge  
Benjamin Zev Galper, John Golden, John Rhee, John Garrett, Robyn Mosely, Virginia Seay, Ameya Kulkarni, Mid-Atlantic Permanente Medical Group, Mclean, VA, USA, Virginia Hospital Center, Arlington, VA, USA

252 - Implementation of the First Reported Routine One-Day Transcatheter Aortic Valve Replacement (TAVR) Patient Evaluation



**Benjamin Zev Galper**, Ameya Kulkarni, John Rhee, Sudip Saha, John Garrett, Robyn Moseley, Virginia Seay, John Golden, Mid-Atlantic Permanente Medical Group, Mclean, VA, USA, Virginia Hospital Center, Arlington, VA, USA

253 - "Keeping Them Awake Does It Matter?" Predictors of Prolonged Length of Stay Following Transcatheter Aortic Valve Replacement  
**Upamanyu Rampal**, Rahul Vasudev, Hiten Patel, Salvatore M. Zisa, Habib Habib, Namrata Paul, Hartaj Virk, Mahesh Bikkina, Faye Shamoan, Saint Joseph Regional Medical Center, Paterson, NJ, USA

254 - Clinical Impact of In-Hospital Conduction Blocks in Patients Undergoing Trans-Catheter Aortic Valve Replacement: Analysis From Nationwide Inpatient Sample Database (NIS)

**Mohit Pahuja**, Kinsuk Chauhan, Manmohan Singh, Achint Patel, Tomo Ando, Tushar Mishra, Luis Afonso, Detroit Medical Center/Wayne State University, Detroit, MI, USA

### **Interventional Cardiology - Poster Contributions** **Session #1197** **Endovascular Intervention and Renal Denervation** **Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.** **Poster Hall, Hall A/B** **CME Hours: /CNE Hours:**

255 - Pace-Capture of Aorticorenal Ganglia May Enable Physiological Testing of Renal Sympathetic Efferent Nerves  
**Pierre Cheng Qian**, Michael Barry, Jim Pouliopoulos, Juntang Lu, Aravinda Thiagalingam, Stuart Thomas, Department of Cardiology, Westmead Hospital, Sydney, Australia, University of Sydney, Sydney, Australia

256 - Transcatheter Microwave Ablation Can Produce Deep Circumferential Perivascular Ablation and Effective Renal Denervation Without Significant Arterial Injury  
**Pierre Cheng Qian**, Michael Barry, Juntang Lu, Ashraf Mina, Joshua Ryan, Sushil Bandodkar, Shirley Alvarez, Virginia James, John Ronquillo, Winny Varikatt, Zoe Clayton, James Chong, Sara Al Raisi, Pramesh Kovoov, Jim Pouliopoulos, Alistair McEwan, Aravinda Thiagalingam, Stuart Thomas, Department of Cardiology, Westmead Hospital, Sydney, Australia, University of Sydney, Sydney, Australia

257 - The Histological Grade of Thermal Renal Nerve Injury Is Influenced by Proximity to Heating and Cooling Sources  
**Pierre Cheng Qian**, Michael Barry, Juntang Lu, Alistair McEwan, Aravinda Thiagalingam, Stuart Thomas, Cardiology Department, Westmead Hospital, Sydney, Australia, University of Sydney, Sydney, Australia

258 - Endovascular Closure of Pulmonary Arteriovenous Malformations Presenting With Cryptogenic Stroke: A 15-Year Single Center Retrospective Cohort Analysis  
**Geoffrey Allan Rubin**, Robert Sommer, Columbia University Medical Center, New York, NY, USA

259 - Biomechanics and Drug Elution in Arterial Response to Peripheral Stents: An OCT Comparative Study of 3 Contemporary Stents in Balloon-Predilated Femoral Arteries of Familial Hypercholesterolemic Swine  
**Yanping Cheng**, Jennifer McGregor, Gerard Conditt, Miguel Montero-Baker, Greg Kaluza, Juan Granada, CRF Skirball Center for Innovation, Orangeburg, NY, USA

260 - Effect of Renal Denervation on Cardiac Function in Ischemia-Reperfusion Model in Swines  
**Bin Zhang**, Zhe He, Yongjian Wu, Fuwai Hospital, Beijing, People's Republic of China, National Center for Cardiovascular Diseases, Beijing, People's Republic of China

261 - Baseline Nutritional Status Predicts Long-Term Amputation-Free Survival in Patients Undergoing Endovascular Therapy  
**Keiko Mizobuchi**, Kentaro Jujo, Yuichiro Minami, Issei Ishida, Shintaro Haruki, Hiromu Kadowaki, Kazuki Tanaka, Madoka Akashi, Motoko Kametani, Masashi Nakao, Jyunichi Yamaguchi, Nobuhisa Hagiwara, Tokyo Women's Medical University, Tokyo, Japan

262 - Agitation in Acute Stanford Type B Aortic Dissection Patients: An Overlooked Indicator of Mortality and Adverse Prognosis  
**Yingcong Liang**, Jianfang Luo, Ruixin Fan, Yuan Liu, Wenhui Huang, Huanyu Ding, Songyuan Luo, Fan Yang, Yi Zhu, Guangdong General Hospital, Guangzhou, People's Republic of China

263 - Percutaneous Closure of Patent Foramen Ovale or Medical Therapy For Stroke Prevention: A Meta-Analysis of Randomized Trials  
**Khagendra Dahal**, Adil Yousuf, Magdy Hanna, Sharan Sharma, Jharendra Rijal, Hussam Watti, Nelson Telles Garcia, Augustine Njoku, Juyong Lee, Pavan Katikaneni, Enrique Jimenez, Kalgi Modi, Neeraj Tandon, LSUHSC, Shreveport, LA, USA

264 - In-Hospital Outcome of Peripheral Endovascular Interventions in Diabetic Patients: A Nationwide Analysis Using the National Inpatient Database of 2012-2014  
**Ahmadreza Moradi**, Xin Wei, Shuyang Fang, Eyal Herzog, Icahn School of Medicine at Mount Sinai, New York, NY, USA

265 - Closed-Loop Baroreflex Neuromodulation Markedly Augments Volume Tolerance and Instantly Resolves Pulmonary Congestion in Acute Heart Failure  
**Takeshi Tohyama**, Kazuya Hosokawa, Keita Saku, Kenji Sunagawa, Hiroyuki Tsutsui, Kyushu University, Fukuoka, Japan

266 - Are There Gender Differences in 5-Year Clinical Outcomes Following Successful Endovascular Revascularization For Peripheral Arterial Disease  
**Seung-Woon Rha**, Byoung Geol Choi, Se Yeon Choi, Jae Kyeong Byun, Ahmed Mashaly, Yoonjee Park, Won Young Jang, WooHyeon Kim, Eun Jin Park, Ja Yeon Choi, Jin Oh Na, Cheol Ung Choi, Hong Euy Lim, Eung Ju Kim, Chang Gyu Park, Hong-Seog Seo, Dong Joo Oh, Korea University Guro Hospital, Seoul, South Korea, New Korea Hospital, Gimpo, South Korea

### **Interventional Cardiology - Poster Contributions** **Session #1198** **Effect of Coronary Risk Factors on Plaque Vulnerability and Coronary Physiology** **Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.** **Poster Hall, Hall A/B** **CME Hours: /CNE Hours:**

267 - Impact of Neointimal Tissue Characteristics on Development Process of Very Late In-Stent Restenosis After Drug-Eluting Stent: A Four Serial Coronary Angiograms Study  
**Kenichi Fujii**, Satoru Otsuji, Shin Takiuchi, Wataru Yamamoto, Kasumi Ishibuchi, Hiroto Tamaru, Katsuyuki Hasegawa, Rui Ishii, Sho Nakabayashi, Motoaki Ibuki, Shinya Nagayama, Yorihiro Higashino, Higashi Takarazuka Satoh Hospital, Takarazuka, Japan

268 - Effects of Xanthine Oxidase Inhibitors on Progression of Left Anterior Descending Artery Atheroma Burden  
**Jordan Gunn**, Atta Behfar, Vasken Keleshian, Mayo Clinic, Rochester, MN, USA

269 - Features of Neointimal Morphology Observed by Optical Coherence Tomography Beyond 3 Years After Everolimus Eluting Stent Implantation  
**Taishi Yonetsu**, Rikuta Hamaya, Hiroaki Ohya, Yohei Sumino, Tadashi Fukuda, Masahiro Hada, Eisuke Usui, Masahiro Hoshino, Yoshihisa Kanaji, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan



270 - Clinical Outcomes of Fractional Flow Reserve (FFR) Based Performance or Deferral of Revascularization in Acute Coronary Syndrome (ACS) Patients  
Hussain Ibrahim, Fawad Virk, Wasif Zaidi, Mohamed Faher Almahmoud, Muhammad Choudhry, Adnan Khan, Wissam Khalife, Syed Gilani, University of Texas Medical Branch, Galveston, TX, USA

271 - Coronary Plasminogen Activator Inhibitor-1 Release Is Associated With Endothelial Dysfunction  
Michel Corban, Abhiram Prasad, Lisa Nesbitt, Darrell Loeffler, Lilach Lerman, Amir Lerman, Mayo Clinic, Rochester, MN, USA

272 - Angiographic Predictors of Lipid Rich Plaque Detected by Near-Infrared Spectroscopy: The COLOR Registry  
Mitsuaki Matsumura, Giora Weisz, Myong-Hwa Yamamoto, Jordan Andrews, Annapoorna Subhash Kini, Emmanouil Brilakis, David Gerard Rizik, Simon Dixon, Nabil Dib, Priti Shah, Aaron Crowley, Stephen Nicholls, Gregg Stone, Gary Mintz, James Muller, Akiko Maehara, Cardiovascular Research Foundation, New York, NY, USA

273 - Effect of Statin Therapy on Fibrous Cap Thickness in Coronary Plaque Using Optical Coherence Tomography: Insights From a Meta-Analysis  
Hector Manuel Garcia Garcia, Yuichi Ozaki, Solomon S. Beyene, Alexandre Kajita, Viana Azizi, Ron Waksman, MedStar Washington Hospital Center, Washington, DC, USA

274 - Impaired HDL Cholesterol Uptake Capacity Which Measure HDL Functionality Might Promote Neoatherosclerosis Formation After Stent implantation  
Yuichiro Nagano, Hiromasa Otake, Amane Harada, Katsuhiko Murakami, Toshihiko Oshita, Yasuhiro Irino, Takayoshi Toba, Koji Kuroda, Natsuko Tahara, Yuto Shinkura, Yoshiro Tsukiyama, Kenichi Yanaka, Hiroyuki Yamamoto, Akira Nagasawa, Hiroyuki Onishi, Youichirou Sugizaki, Ryo Takeshige, Hiroyuki Kawamori, Toshiro Shinke, Tatsuro Ishida, Ryuiji Toh, Ken-ichi Hirata, Kobe University Graduate School of Medicine, Kobe, Japan

275 - Impact of Aortic Pulsatility Ratio and Double Product on Indices of Functional Coronary Stenosis Severity in Patients Undergoing Coronary Intervention  
Azra Mahmud, Elenezi Amirah, Mohammad Balghith, Kamal Ayub, Basil T. Saeed, Dikra Al Dobai, Majed Alshammari, Bandar Al Haddadi, Ali Alghamdi, King Abdul Aziz Medical City, National Guard Health Affairs, Riyadh, Saudi Arabia

276 - A Tertiary Centre Experience on Ultrasound-Facilitated Thrombolysis in Patients With Pulmonary Embolism at High-Risk or Intermediate High-Risk  
Cihangir Kaymaz, Ozgur Akbal, Aykun Hakgor, Fatih Yilmaz, Hacer Tokgoz, Halil Tanboga, Seda Tanyeri, Cem Dogan, Zubeyde Bayram, Sevim Turkday, Durmus Demir, Deniz Acar, Nihal Ozdemir, Kartal Kosuyolu Heart Education and Research Hospital, Istanbul, Turkey

277 - Hyperuricemia Is Associated With Endothelial Dysfunction and Morphological Abnormalities of Neointima After 2<sup>nd</sup> Generation Drug-Eluting Stents Deployment Assessed by Optical Coherence Tomography  
Satoshi Yoshino, Hiroyuki Tabata, Masaaki Miyata, Daisuke Kanda, Kenta Ohmure, Yoshihiro Uchikado, Mitsuru Ohishi, Kagoshima University, Kagoshima, Japan

278 - Intravascular Ultrasound Mechanisms of In-Stent Restenosis in Saphenous Vein Graft Lesions  
Rafal Wolny, Gary Mintz, Mitsuaki Matsumura, Masaru Ishida, Yasir Parviz, Khady Fall, Tamim Nazif, Manish Parikh, Leroy Rabbani, Michael Collins, Philip Green, Ziad Ali, Dimitrios I. Karmpaliotis, David Brogno, Susheel K. Kodali, Torsten Vahl, Sahil Parikh, Lauren Privitera, Martin B. Leon, Gregg Stone, Ajay Kirtane, Jeffrey Moses, Akiko Maehara, Cardiovascular Research

Foundation, New York, NY, USA, Columbia University Medical Center, New York, NY, USA

### Interventional Cardiology - Poster Contributions Session #1199

**Interventional Cardiology: Mitral and Structural Heart Disease**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

279 - Continuous Left Atrial Pressure and Invasive Hemodynamic Monitoring Via Steerable Guide Catheter to Optimize Transcatheter Mitral Valve Repair With MitraClip NT System  
Gilbert Hin-Lung Tang, Lawrence Ong, Ryan Kaple, Basel Ramlawi, Tanya Dutta, Syed Zaid, Hasan Ahmad, Robert Kalimi, Cenap Udemir, Asaad Khan, Matias Yudi, Adnan Nadir, Farhan Majeed, Omar A. Ali, Jeffrey Skiles, Joanne Bennett, Chandra Bhim, Martin Cohen, Steven Lansman, Samin K. Sharma, Annapoorna Subhash Kini, Mount Sinai Health System, New York, NY, USA

280 - Changes in Mitral Annular Geometry After Transcatheter Aortic Valve Replacement: Implications on Transcatheter Mitral Valve Replacement  
Gilbert Hin-Lung Tang, Medha Biswas, Syed Zaid, Hasan Ahmad, Ryan Kaple, Cenap Udemir, Martin Cohen, Steven Lansman, Mount Sinai Health System, New York, NY, USA, Westchester Medical Center, Valhalla, NY, USA

281 - 3D Vena Contracta Area For the Quantification of Residual Mitral Regurgitation After Mitraclip Procedure  
Eleonora Avenatti, Mark Reisman, Colin Barker, G. Burkhard Mackensen, Stephen Little, Methodist DeBakey Heart & Vascular Center Houston Methodist Hospital, Houston, TX, USA, University of Washington Medical Center, Seattle, WA, USA

282 - Effect of Hospital Volume on Transcatheter Mitral Valve Repair (TMVR) Outcomes: A Nationwide Inpatient Sample Analysis  
Nikhil Nalluri, Varun Kumar, Varunsiri Atti, Shilpkumar Arora, Nileshkumar Patel, Deepak Asti, Sushruth Edla, Emad Barsoum, Mohammad Zgheib, Munir Abdallah, Boutros Karam, Sainath Gaddam, Jonathan Spagnola, Roman Royzman, Frank Tamburrino, Gregory Maniatis, Ruben Kandov, James Lafferty, Chad Kliger, Hofstra Northwell School of Medicine at Staten Island University Hospital, New York, NY, USA, Hofstra Northwell School of Medicine at Lenox Hill Hospital, New York, NY, USA

283 - Outcomes Following Transcatheter Transseptal Versus Transapical Mitral Valve-in-Valve and Valve-in-Ring Procedures  
Salik Nazir, Sammy Elmariah, Saroj Lohani, Niranjana Tachamo, Muhammad Sohail Khan, Bidhya Timilsina, Faraz Khan Luni, Anthony Donato, Reading Health System, West Reading, PA, USA

284 - Intraprocedural Direct Left Atrial and Wedge Pressure Correlation During Transcatheter Mitral Valve Repair: Results From a Single Center Registry

Lily Chen, Neha Maheshwari Mantri, Maia Eng, William Wung, Thomas Smith, Dali Fan, Douglas Boyd, Reginald Low, Jason H. Rogers, Gagan Singh, University of California Davis Medical Center, Sacramento, CA, USA

285 - In-Hospital Outcomes After MitraClip Implantation: Nationwide Inpatient Sample, 2010-2014  
Sagar Mallikethi-Reddy, Ujjwal Rastogi, Emmanuel Akintoye, Rajeev Sudhakar, Melvyn Rubenfire, Cindy Grines, Luis Afonso, The Mount Sinai Hospital, Icahn School of Medicine, New York, NY, USA

286 - Survival Benefit of Surgery in Patients With Primary Severe Mitral Regurgitation and Severe Left Ventricular Dysfunction  
Seung-Ah Lee, Ran Heo, Sahmin Lee, Dae-Hee Kim, Jong-Min Song, Jae-Kwan Song, Jae-Won Lee, Duk-Hyun Kang, Asan Medical Center, Seoul, South Korea





287 - 12-Month Progression to Severity in Non-Clinically Significant Functional Mitral Regurgitation [nsFMR] Patients With and Without Ischemia in Medicare Fee-for-Service Patients

David Patrick Cork, Emilie Kottenmeier, Patrick Verta, Sarah Mollenkopf, Teresa Green, Hirsch Mehta, Edwards Lifesciences, Irvine, CA, USA

288 - Combined Mitral and Tricuspid Versus Isolated Mitral Valve Edge-to-Edge Repair in Patients With Symptomatic Valve Regurgitation and High Surgical Risk

Philipp Lurz, Christian Besler, Stephan Blazek, Thilo Noack, Karl-Philipp Rommel, Maximilian Von Roeder, Matthias Gutberlet, Michael Borger, Joerg Ender, Holger Thiele, University of Leipzig - Heart Center, Leipzig, Germany

289 - 5-Year Durability Results of Transcatheter Mitral Valve Repair With the MitraClip® System in Patients With Severe Degenerative Mitral Regurgitation and Prohibitive Surgical Risk

D. Scott Lim, Gorav Ailawadi, Saibal Kar, Alfredo Trento, Andrew Wang, Paul Grayburn, Samir Kapadia, Michael Rinaldi, Eric Skipper, Susheel K. Kodali, Brian Whisenant, Atif Qasim, Neil Weissman, Michael J. Mack, Donald Glower, Ted Feldman, University of Virginia, Charlottesville, VA, USA

290 - Comparison of Transseptal Puncture Height For Mitraclip Between 2D and 3D Measurements

Nils Petri, Alexander Haak, Dominik Wiktor, Robert Quaife, Edward Gill, Ernesto Salcedo, Wolfram Voelker, John Carroll, University Hospital Wuerzburg, Wuerzburg, Germany, University of Colorado Denver, Aurora, CO, USA

### Interventional Cardiology - Poster Contributions

#### Session #1200

#### Advances in Transradial Access and Intervention

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

291 - AJMER ULnar Angioplasty Study (AJULAST) Study: Ulnar Access Is Non Inferior to Radial Access Angioplasty

Rajendra Kumar Gokhroo, Kailash Chandra, Shashi Kant Pandey, Ramsagar Roy, Rajesh Nandal, JLN Medical College, Ajmer, India

292 - An Initial Experience of 2,495 Cases of Ulnar Access Coronary Interventions at a Single Center

Rajendra Kumar Gokhroo, Kailash Chandra, Shashi Kant Pandey, Ramsagar Roy, Rajesh Nandal, JLN Medical College, Ajmer, India

293 - Transradial Access Is Associated With Lower Risk of Dialysis and Acute Renal Failure Than Transfemoral Access in Patients Undergoing Cardiac Catheterization or Percutaneous Coronary Intervention

Yash Rameshbhai Patel, Pedro Moreno, Chirag Bavishi, Dhaval Kolte, J. Abbott, Herbert D. Aronow, Mount Sinai St Luke's - Mount Sinai West, New York, NY, USA

294 - Routine Prospective Use of Forearm Angiography in Transradial Cardiac Catheterization: Incidence of Radial Artery Anatomic Variants and Predictors of Procedural Success

Linda Lee, Joseph Kern, John Blair, Jonathan Rosenberg, Margaret Lee, Sandeep Nathan, University of Chicago Medicine, Chicago, IL, USA

295 - AJMER Ulnar Artery Access in Elderly (AJULAR in ELDERLY): A Single Center Prospective Randomized Control Study

Kailash Chandra, Rajendra Gokhroo, JLN Medical College, Ajmer, India

296 - Optimal TR-Band Weaning Strategy While Minimizing Vascular Access Site Complications

Ryan Gindi, Sunay Shah, Akshay Khandelwal, Mohammad Alqarqaz, Mohammad Zaidan, Michele Voeltz, Gerald Koenig, Henry Kim, William W. O'Neill, Khaldoon Alaswad, Henry Ford Hospital, Detroit, MI, USA

297 - Utility of Patient Height and Indexed Aortic Root Diameter For Selection of Radial Versus Femoral Access For Coronary Angiography

Chirag Desai, Udit Bhatnagar, Terezia Petraskova, Tomasz Stys, Paul Thompson, Adam Stys, University of South Dakota Sanford School of Medicine, Sioux Falls, SD, USA

298 - Comparison of TR Band Removal Protocols in Reducing Occurrence of Radial Artery Occlusion Among Patients Undergoing Left Heart Catheterization: A Randomized Control Trial

Muhammad Rahman, Farhala Baloch, Azmina Artani, Huma Fatima, Abdus Salam, Sher Ahmed, Aga Khan University Hospital, Karachi, Pakistan

### Interventional Cardiology - Poster Contributions

#### Session #1201

#### Interventional Cardiology: Data From Large Registries in CTO PCI

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

301 - Impact of Successful Percutaneous Coronary Intervention on Chronic Total Occlusion Outcomes in Multi-Vessel Disease Patients

Seung-Woon Rha, Se Yeon Choi, Byoung Geol Choi, Jae Kyeong Byun, Ahmed Mashaly, Yoonjee Park, Won Young Jang, WooHyeun Kim, Eun Jin Park, Ja Yeon Choi, Jin Oh Na, Cheol Ung Choi, Hong Euy Lim, Eung Ju Kim, Chang Gyu Park, Hong-Seog Seo, Dong Joo Oh, Korea University Guro Hospital, Seoul, South Korea

302 - Rotational Atherectomy Versus Standard PCI in Patients With Calcified Coronary Lesions: A Systematic Review and Meta-Analysis

Mohan Babu Palla, Alexandros Briasoulis, Arshad Ali Javed, Sagar Mallikethi-Reddy, Luis Afonso, Theodore Schreiber, Cindy Grines, Wayne State University and Detroit Medical Center, Detroit, MI, USA

303 - Percutaneous Coronary Interventions For AortoOstial Chronic Total Occlusions: Insights From a Multicenter Registry

Peter Tajti, Dimitrios I. Karpaliotis, Khaldoon Alaswad, Farouc Jaffer, Robert Yeh, Mitul Patel, Ehtisham Mahmud, James Choi, M. Nicholas Burke, Anthony Doing, Catalin Toma, Barry Uretsky, Elizabeth Holper, David Kandzari, Nicholas Lembo, Santiago Garcia, Oleg Krestyaninov, Dmitrii Khelinskii, Michalis Koutouzis, Jeffrey Moses, Ajay Kirtane, Ziad Ali, Bavana Rangan, Subhash Banerjee, Emmanouil Brilakis, Minneapolis Heart Institute, Abbott Northwestern Hospital, Minneapolis, MN, USA

304 - Procedural Outcomes of Multiple CTO Intervention Carried Out in the Same Procedure: Insight From a Multicenter CTO Registry

Peter Tajti, Dimitrios I. Karpaliotis, Khaldoon Alaswad, Farouc Jaffer, Robert Yeh, Mitul Patel, Ehtisham Mahmud, James Choi, M. Nicholas Burke, Anthony Doing, Catalin Toma, Barry Uretsky, Elizabeth Holper, David Kandzari, Nicholas Lembo, Santiago Garcia, Oleg Krestyaninov, Dmitrii Khelinskii, Michalis Koutouzis, Jeffrey Moses, Ajay Kirtane, Ziad Ali, Bavana Rangan, Subhash Banerjee, Emmanouil Brilakis, Minneapolis Heart Institute, Abbott Northwestern Hospital, Minneapolis, MN, USA



### Interventional Cardiology - Poster Contributions

#### Session #1202

#### Novel Physiology Assessment

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

305 - Relationship Between Global Myocardial Blood Flow Evaluated by Phase Contrast Cine-Magnetic Resonance Imaging and Regional Pressure Wire-Derived Physiological Indices

Tadashi Fukuda, Yoshinori Kanno, Rikuta Hamaya, Hiroaki Ohya, Yohei Sumino, Masahiro Hada, Masahiro Hoshino, Eisuke Usui, Yoshihisa Kanaji, Taishi Yonetsu, Tsunekazu Kakuta, Cardiovascular Division, Tsuchiura Kyodo General Hospital, Tsuchiura-Shi, Japan

306 - Comparison of Optical Coherence Tomography Measurements With 3-Dimensional Quantitative Coronary Angiography-Derived Computed Fractional Flow Reserve

Hiroshi Okamoto, Teruyoshi Kume, Ryotaro Yamada, Yoji Neishi, Shiro Uemura, Kawasaki Medical School Hospital, Kurashiki, Japan

### Interventional Cardiology - Poster Contributions

#### Session #1203

#### Left Main, Multivessel, Bifurcation Lesions: Strategies to Manage High-Risk Patients

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

308 - In-Hospital Mortality in Percutaneous Coronary Stenting of Single Versus Multiple Vessels in Acute ST-Elevation Myocardial Infarction

Nene Ugoeke, Obiora Maludum, Hetavi Mahida, Renato Apolito, Jersey Shore University Medical Center, Neptune, NJ, USA

309 - Non-Emergent Percutaneous Coronary Intervention on an Unprotected Left Main Coronary Artery Supported With Impella® Heart Pump in Patients Ineligible For Surgical Revascularization

Perwaiz M. Meraj, Jonathan Hill, Simon Dixon, Theodore Schreiber, Jeffrey Moses, Andreas Schaefer, William W. O'Neill, Northwell Health, Manhasset, NY, USA

310 - Clinical Characteristics and Outcomes of Left Main ST-Elevation Myocardial Infarction

Ameera Ahmed, Ross Garberich, Frank Aguirre, Jenny Chambers, Yader Sandoval, John Hibbs, Timothy Henry, Cedars-Sinai Medical Center, Los Angeles, CA, USA, Minneapolis Heart Institute at Abbott Northwestern Hospital, Minneapolis, MN, USA

### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Poster Contributions - Session #1204

#### Non Invasive Imaging: Beyond the Coronary Arteries

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

311 - Reproduction of Process of LAA Occlusion With Tissue Simulated 3D Printed LA Models

Hong-Ning Song, Qing Zhou, Yi-Jia Wang, Bo Hu, Rui-Qiang Guo, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

312 - Watchman Device Sizing: Is Multi-Detector Computed Tomography Superior to Transesophageal Echocardiography?

Bo Xu, Jorge Betancor, Kimi Sato, Serge Harb, Karim Abdur Rehman, Kunal Patel, Arnab Kumar, Paul Cremer, Wael Jaber, L. Leonardo Rodriguez, Paul Schoenhagen, Oussama Wazni, Cleveland Clinic, Cleveland, OH, USA

313 - Multimodality Imaging in ICD Implantation Decision Making in Heart Failure Patients: Role of 123-Iodine Metaiodobenzylguanidine Imaging and Cardiac MRI

Paola Scarpato, Nicolo' Salvi, Lucia Ilaria Birtolo, Viviana Frantellizzi, Paolo Severino, Massimo Mancone, Viviana Maestrini, Giuseppe De Vincentis, Francesco Fedele, Sapienza, Rome, Italy

314 - Incremental Value of Spectral Detector CT Using Low-Contrast For Pre-TAVR CT Angiography

Amer Alaiti, Steven Van Hedent, Anas Fares, Sandeep M. Patel, Yasuhiro Ichibori, Rahul Thomas, Ahmad Alkhalil, Nils Grosse HoKamp, Sandeep Patel, Riki Kessner, Amar Dhanantwar, Mani Vembar, Pablo Ros, David Wilson, Mani Vembar, Robert Gilkeson, Sanjay Rajagopalan, Guilherme Attizzani, Hiram Bezerra, University Hospitals Harrington Heart and Vascular Institute, Cleveland, OH, USA, Case Western Reserve University, Cleveland, OH, USA

315 - Influence of Flow and Velocity Profile on Inconsistency in Echocardiographic Aortic Valve Stenosis Assessment: A Computed Tomography and Computational Flow Dynamics Study

Tarun Mittal, Ed Nicol, Luise Reichmuth, Manish Jain, Aigul Baltabaeva, Shelley Rahman-Haley, Tito Kabir, Vasileios Panoulas, Saeed Mirsadraee, Miles Dalby, Quan Long, Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom, Brunet University, London, United Kingdom

317 - Incidence of Lung Cancer Among Solitary Pulmonary Nodules Incidentally Detected on Cardiac Computed Tomography Angiogram in a Multiethnic Population: Do We Incorporate Fleischner Guidelines 2017 Into Local Practice?

Hong Jie Gabriel Tan, Jien Sze Ho, Yet Yen Yan, Haja Mohideen Salahudeen Mohamed, Lohendran Baskaran, Weng Kit Lye, Foong Koon Cheah, Terrance Chua, Swee Yaw Tan, National Heart Centre Singapore, Singapore, Singapore, Singapore General Hospital, Singapore, Singapore

318 - Aortic Tortuosity in Bicuspid Aortic Valve and Its Correlation With Clinical Outcomes

Bader Aldeen Alhafez, Van T. T. Truong, Sahand Sohrabi, Harleen Sandhu, Anthony L. Estrera, Hazim Safi, Daniel Ocazonez, Siddharth Prakash, The University of Texas Health Science Center at Houston, Houston, TX, USA

319 - Hybrid Continuity Equation Using Multidetector CT and Echocardiography Aids Reclassifying Severity in Patients With Paradoxical Low Flow Low Gradient Severe Aortic Stenosis

Daniel Kupsky, Waleed Al-Darzi, Gordon Jacobsen, Karthikeyan Ananthasubramaniam, Henry Ford Hospital, Detroit, MI, USA

320 - Pulmonary Vein Orientation Is Independently Associated With Outcomes Following Cryoballoon Based Atrial Fibrillation Ablation

Duygu Kocvigit, Muhammed Ulvi Yalcin, Kadri Gurses, Selin Ardali, Gamze Turk, Ugur Canpolat, Banu Evranos, Hikmet Yorgun, Mehmet Levent Sahiner, Ergun Baris Kaya, Tuncay Hazirolan, Kudret Aytemir, Hacettepe University, Ankara, Turkey

321 - Identification of Patients at High Risk For Late Pacemaker Implantation Post Transcatheter Aortic Valve Replacement

Rong Liu, Guangming Zhang, Xiao Bo Zhou, David Zhao, Sanjay Gandhi, Neal Kon, Edward H. Kincaid, Pu Min, Wake Forest Baptist Medical Center, Winston Salem, NC, USA, Department of Cardiology, Shanghai Jiao Tong University Affiliated Sixth People's Hospital, Shanghai, People's Republic of China

322 - Spectral Detector CT Assisted TAVR Planning: Initial Results From a Prospective Study

Rahul Balan Thomas, Amer Alaiti, Anas Fares, Nils Grosse HoKamp, Rivka Kessner, Sadeer Al-Kindi, Ben Ravaee, Les Ciancebello, Guilherme Attizzani,





Hiram Bezerra, Robert Gilkeson, Sanjay Rajagopalan, UH Cleveland Medical Center, Cleveland, OH, USA

323 - Predicting Mortality With Aortomitral Calcifications in 317 TAVR Patients

Martin Willemink, Eva Maret, Kegan Moneghetti, Juyong Kim, Francois Haddad, Yukari Kobayashi, Kai Higashigaito, Alan Yeung, Anson Lee, D. Craig Miller, Michael Fischbein, William Fearon, Dominik Fleischmann, Stanford University School of Medicine, Stanford, CA, USA

324 - Impact of Anatomical Features of the Left Atrial Appendage on Outcomes After Cryoablation For Atrial Fibrillation

Muhammed Ulvi Yalcin, Duygu Kocyigit, Kadri Gurses, Gamze Turk, Selin Ardali, Ugur Canpolat, Banu Evranos, Hikmet Yorgun, Mehmet Levent Sahiner, Ergun Baris Kaya, Tuncay Hazirolan, Kudret Aytemir, Hacettepe University, Ankara, Turkey

325 - Effect of 5-Lipoxygenase Inhibitor, VIA-2291, on Epicardial Fat Volume in Patients With Recent Acute Coronary Syndrome

Shone Almeida, Matthew Budhoff, Los Angeles Biomedical Research Institute, Torrance, CA, USA

326 - Impact of Knowledge-Based Iterative Model Reconstruction on the Feasibility of Coronary Computed Tomography Angiography in Obese Patients

Reza Reyaldeen, Sarushen Gounden, Colin Jeffries, Bruno Jesuthasan, Shashi Ranjan, Prasad Challa, Arun Dahiya, Logan Hospital, Brisbane, Australia

### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)

#### Poster Contributions - Session #1205

#### Non Invasive Imaging: Structural and Functional CMR Assessments in the Assessment of Cardiac and Aortic Dysfunction

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

327 - Impact of Magnetic Resonance Imaging in Non-Approved Cardiac Devices

Lina Ya'goub, Marcia Price, Gail Kendall, Tina Baker, Alan Wimmer, Shaya Ansari, Stanley Fisher, Sanjaya Gupta, Ibrahim M. Saeed, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA, Saint Luke's Marion Bloch Neuroscience Institute, Kansas City, MO, USA

328 - Improvement in Skin Disease Severity Is Associated With Reduced Progression of Aortic Wall Thickness in Patients With Psoriasis

Jacob Groenendyk, Parag Shukla, Agastya Belur, Amit Dey, Youssef Elnabawi, Justin Rodante, Aditya Goyal, Ahmed Sadek, Navya Nanda, Mark Ahlman, Aditya Joshi, Joel Gelfand, Martin Playford, Nehal Mehta, National Heart, Lung, and Blood Institute, Bethesda, MD, USA

329 - Foreign Metallic Bodies in the MRI Environment: Are They Safe? Can We Be Sure?

Robert W. W. Biederman, Loretta Gevenosky, Prabhakaran Gopalakrishnan, Ronald Williams, Richard Lombardi, Moneal Shah, Christopher Bonnet, Mark Doyle, Allegheny General Hospital, Pittsburgh, PA, USA

330 - Detection of Aneurysm of the Ascending Aorta in Hypertensive Patients

Jordan Long, Michael Burley, Daniel Morgenstern, Rohith Saikumar, J. Ronald Mikolich, Sharon Regional Health System, Sharon, PA, USA, Northeast Ohio Medical University, Rootstown, OH, USA

331 - Safety of Thoracic Magnetic Resonance Imaging in Patients With Pacemakers and Defibrillators

Deepak Padmanabhan, Danesh Kella, Niyada Naksuk, Abhishek Deshmukh, Siva Mulpuru, Suraj Kapa, Ramila Mehta, Connie Dalzell, Nora Olson, Joel

Felmlee, Mary Lou Jondal, Samuel Asirvatham, Robert Watson, Yong-Mei Cha, Paul Friedman, Mayo Clinic, Rochester, MN, USA

332 - Evaluation of HIV-Associated Dyspnea Using Cardiac Magnetic Resonance Cardiopulmonary Exercise Testing (CMR-CPET)

Sadeer G. Al-Kindi, Rahul Thomas, Amer Alaiti, Ben Ravaee, Trevor Jenkins, Steven Sawicki, Nicole Seiberlich, Wei-Ching Lo, Evelyn Watson, Christopher Longenecker, Grace McComsey, Brian Hoit, Orlando Simonetti, Sanjay Rajagopalan, University Hospitals Cleveland Medical Center, Cleveland, OH, USA

333 - The Changes in Global Coronary Blood Flow After PCI Evaluated by Cardiovascular Magnetic Resonance Imaging and Their Relationship With Physiological Indices Obtained by a Pressure Wire

Yoshihisa Kanaji, Taishi Yonetsu, Eisuke Usui, Masahiro Hoshino, Yohei Sumino, Hiroaki Ohya, Tadashi Fukuda, Rikuta Hamaya, Yoshinori Kanno, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

334 - A Novel Method For Internal Validation of Aortic Flow Using Phase-Contrast Cardiac Magnetic Resonance Imaging

Anweshan Samanta, Joseph Soltys, Harshal Patil, Ibrahim Saeed, Saint-Luke's Mid America Heart Institute, Kansas City, MO, USA, University of Missouri - Kansas City, Kansas City, MO, USA

335 - Comparison of 2D and 3D Strain Using Cardiovascular Magnetic Resonance Feature Tracking

James Nguyen, Marco Vezza, Rajasekhar Mulyala, Harsimar Singh, Jie Cao, St. Francis Hospital, The Heart Center, Roslyn, NY, USA

336 - Right Atrial Function in Heart Failure With Preserved and Reduced Ejection Fraction

Julio A. Chirinos, Vaibhav Satija, Swetha Gaddam, Rachana Miller, Khuzaima Javaid, Danny Kuriakose, Ilaina Edelstein, Yueya Ge, Pritika Manaktala, Scott Akers, University of Pennsylvania, Philadelphia, PA, USA

337 - Left Atrial Function in Heart Failure With Preserved and Reduced Ejection Fraction

Julio A. Chirinos, Zeba Hashmath, Anila Hussain, Rushik Bhuva, Swapna Varakantam, Jonathan Lee, Vaibhav Satija, Harry Oldland, Khuzaima Javaid, Scott Akers, University of Pennsylvania, Philadelphia, PA, USA

338 - Axial Sarcopenia, Subcutaneous, Abdominal Visceral and Pericardial Adiposity in Heart Failure With Preserved and Reduced Ejection Fraction

Julio A. Chirinos, Jessica Kim, Sowmya Gaddam, Jagan Vanjarapur, Dheera Tamvada, Bilal Ansari, Arpita Suri, Anique Mustafa, Scott Akers, University of Pennsylvania, Philadelphia, PA, USA

### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)

#### Poster Contributions - Session #1206

#### Echocardiography For Assessing the Various Chambers: Right Ventricle, Atria, Sorta and Pericardium

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

339 - Quantitative Modeling of LV Inflow Characterizes Impaired Left Ventricular Function, Atrial Function and LV-LA Coupling

Julio A. Chirinos, Swetha Gaddam, Zeba Hashmath, Anila Hussain, Bilal Ansari, Jonathan Lee, Yueya Ge, Jessica Kim, Rachana Miller, Rushik Bhuva, Scott Akers, University of Pennsylvania, Philadelphia, PA, USA

340 - Effect of Obesity on Left Atrial Strain in Middle Age: The Asklepios Study

Julio A. Chirinos, Marc De Buyzere, Jugal Chahwala, Vaibhav Satija, Patrick Segers, Dirk De Bacquer, Thierry Gillebert, Ernst Rietzschel, University of Pennsylvania, Philadelphia, PA, USA, Ghent University, Ghent, Belgium



341 - The Rising Prevalence of Dilated Mid Ascending Aorta: Measuring the Burden of Disease

Ji Ae Yoon, Mirza Mujadil Ahmad, Muhammad Nabeel Syed, Mirza Nubair Ahmad, Sharmeen Fatima Hussaini, Mustafa Noor Muhammad, Muhammad Harris Pir, Bijoy K. Khandheria, A. Jamil Tajik, Khawaja Afzal Ammar, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

342 - Large Increases in Blood Pressure Are Associated With Mild Increases in Mid Ascending Aorta Diameter: An Echocardiographic Study

Sachin Shah, Mirza Mujadil Ahmad, Ahad Jahangir, A. Jamil Tajik, Bijoy K. Khandheria, Khawaja Afzal Ammar, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

343 - Diagnosis and Differentiation of Acute Massive and Submassive From Subsegmental Pulmonary Embolism Using Novel Echocardiographic Methods

Aditya Sood, Mobeen Rehman, Arshad Ali Javed, Emmanuel Akintoye, Kartik Kumar, Manmohan Singh, Luis Afonso, Detroit Medical Center, Wayne State University, Detroit, MI, USA

344 - Assessment of Right Ventricular Performance: Comparison Between 2D-ECHO and Cardiac Magnetic Resonance

Wai Ling Jessica Poon, Xiaowan Tong, Kenji Shiino, Jonathan Chan, Ying Wah Andrew Li, Kit Chan, Ming-Yen Ng, Yuk Kong Lau, Ruttonjee Hospital, Hong Kong, Hong Kong

345 - Altered Right Ventricular Contractile Pattern After Cardiac Surgery: A Retrospective Study

Tin Trong Nguyen, Melissa Moey, Minh Tran, Rajasekhar Nekkanti, Kevin O'Brien, Hazaim Alwair, Alan Kypson, Assad Movahed, Brody School of Medicine at East Carolina University, Greenville, NC, USA

346 - Resolution of Left Atrial Thrombus in Nonvalvular Atrial Fibrillation With Oral Anticoagulation

Adam Niku, Takahiro Shiota, Robert J. Siegel, Florian Rader, Cedars-Sinai Medical Center, Los Angeles, CA, USA

347 - Evaluation of Global and Regional Right Ventricular Function Using Three Dimensional Speckle Tracking Echocardiography Specialized For Right Ventricle

Konomi Sakata, Yoichiro Uesugi, Aoi Isaka, Junnosuke Ito, Toshinori Minamishima, Mitsufumi Furuya, Touru Satoh, Hideaki Yoshino, Kyorin University School of Medicine, Tokyo, Japan

348 - Non-Invasive Assessment of Left Atrial Pressure Using Arterial Tonometry and Its Correlation With Tissue Doppler Echocardiography and Pulmonary Capillary Wedge Pressure

Rupesh Ranjan, Yaser Alhamshari, Sanjog Kalra, Aman Amanullah, Vincent Figueredo, Gregg Pressman, Einstein Medical Center, Philadelphia, PA, USA

349 - Right Atrial Pressure Estimates by 2D and 3D Inferior Vena Cava Measurements Are Discordant

Mohammed Essa, Peter Flueckiger, Robert McNamara, Lissa Sugeng, Jeffrey Testani, Ben Lin, Yale University School of Medicine, New Haven, CT, USA

350 - Computational Analysis of Right Ventricular Curvature by 3D Echocardiography: Implications on Pulmonary Hypertension Severity

Maria Chiara Palumbo, Francesco Bandera, Enrico Caiani, Eleonora Alfonzetti, Marco Guazzi, Politecnico di Milano, Milano, Italy

351 - Clinical Implication of Inducible Left Ventricular Outflow Tract Obstruction in Patients Undergoing Liver Transplant Evaluation

Antoine Addoumieh, Mouin Abdallah, Wael Jaber, William Carey, Allan Klein, David Majdalany, Cleveland Clinic Foundation, Cleveland, OH, USA

352 - Comparison of Commonly Used 2D Echocardiographic Measurements of Right Ventricular Size and Function to a Validated Complex 3D Model

Anjani Golive, Ayesha Salahuddin, Mohammed Algodi, Daniel Rodriguez, Daniel Spevack, Mario J. Garcia, Montefiore Medical Center, Bronx, NY, USA

353 - Echogenicity of the Atrium in Fetus Is Associated With Positive Maternal SSA/SSB Antibodies

Shuping Ge, Xiaowei Liu, Xiaoyan Gu, Jiancheng Han, Yihua He, Department 2 of Echocardiography Beijing Anzhen Hospital, Capital Medical University, Beijing, People's Republic of China, St. Christopher's Hospital for Children and Drexel University College of Medicine, Philadelphia, PA, USA

354 - Echocardiographic Assessment of Pericardial Effusion Size: Time For a Quantitative Approach

David DeMaria, Ashley Waring, David Gregg, Sheldon Litwin, Medical University of South Carolina, Charleston, SC, USA

355 - Chronic Kidney Disease Is Associated With Changes in Echocardiographic Measurements

Yaser Carcora, David Bach, Theodore Kolias, Brent Gallagher, Casey McCarter, Troy LaBounty, University of Michigan, Ann Arbor, MI, USA

356 - Right Ventricular Load Adaptability in Patients Undergoing Continuous-Flow Left Ventricular Assist Device Implantation

Myriam Amsellem, Marie Aymami, William Hiesinger, Sanford Zeigler, Kegan Moneghetti, Michael Marques, Matthew Wheeler, Jeffrey Teuteberg, Richard-Tien Ha, Dipanjan Banerjee, Francois Haddad, Stanford University, Stanford, CA, USA

### Prevention - Poster Contributions

#### Session #1212

#### The Not So Sweet Truth: Latest Insights in Insulin Resistance and Diabetes For Preventive Cardiology

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

401 - Understanding Public Awareness Regarding the Association Between Type 2 Diabetes and Cardiovascular Disease: Findings From the "For Your SweetHeart™" Survey

Leigh Perreault, Marilyn K. Boardman, Jonathan Pak, University of Colorado Anschutz Medical Center, Aurora, CO, USA, Boehringer-Ingelheim Pharmaceuticals, Inc., Ridgefield, CT, USA

402 - Plasma Proteins and Pathways Associated With Triglyceride Levels in a Diabetic Population

Stacey Knight, David Crockett, Heidi May, Viet T. Le, Jeffrey Anderson, Kirk Knowlton, J. Muhlestein, Intermountain Medical Center, Salt Lake City, UT, USA

403 - Semaphorin and Plexin Pathways Associated With Increases in Hemoglobin A1c in Individuals With Diabetes Mellitus

Stacey Knight, Heidi May, Jeffrey Anderson, Kirk Knowlton, J. Muhlestein, Intermountain Medical Center, Salt Lake City, UT, USA

404 - Impacts of Blood Glucose Control With Novel Diabetic Drugs on Major Adverse Cardiovascular Events: Meta-Regression Analysis of Randomized Controlled Trials

Weiting Wang, Hao-Min Cheng, Chern-En Chiang, Taipei Veterans General Hospital, Taipei, Taiwan, ROC

405 - Associations Between Circulating Levels of Plasma of Proprotein Convertase Subtilisin/Kexin Type 9 and Vascular Outcomes in African American Diabetic Patients

Ayobami Eluwole, Ajibola M. Adedayo, Fasika Tedla, Arye Kremer, Nicole Mastrogiovanni, Mohammed Afzal, Carl Rosenberg, Paul Dreizen, John La



Rosa, Mohamed Boutjdir, Mary Ann Banerji, Clinton Brown, Moro Salifu, Jason Lazar, Ahmed Bakillah, SUNY Downstate Medical Center, Brooklyn, NY, USA

406 - Design and Baseline Characteristics of the eValuation of ERTugliflozin efficacy and Safety Cardiovascular Outcomes Trial (VERTIS-CV)

Christopher P. Cannon, Darren McGuire, Richard Pratley, Samuel Dagogo-Jack, James Mancuso, Susan Huyck, Bernard Charbonnel, Weichung Shih, Silvina Gallo, Urszula Masiukiewicz, Gregory Golm, Cosentino Francesco, Brett Lauring, Steven Terra, Merck and Co., Inc., Kenilworth, NJ, USA, Pfizer, Inc., New York, NY, USA

407 - The Prognostic Effect of Known and Newly Detected Type 2 Diabetes in Patients With Acute Coronary Syndromes

Thorarinn Arni Bjarnason, Steinar Hafthorsson, Linda Kristinsdottir, Erna Sif Oskarsdottir, Thor Aspelund, Sigurdur Sigurdsson, Vilundur Gudnason, Karl Andersen, Landspítali, the University Hospital of Iceland, Reykjavik, Iceland, University of Iceland, Reykjavik, Iceland

408 - Identifying Gaps in Care of Diabetic Patients: A Look at Statins

Sandrine Lebrun, Michael Malekan, Rebecca Mazurkiewicz, Rachel Bond, Lenox Hill Hospital-Northwell Health, New York, NY, USA

409 - Comparing Coronary Artery Calcium and Atherosclerotic Cardiovascular Disease Risk Scores in Diabetic, Prediabetic and Nondiabetic Community Based Population Without Known Cardiovascular Disease

Theresa Rataiczak, Arpan Patel, Amy Jiang, Saagar Sanghvi, Ronald Markert, Mukul Chandra, Wright State University, Dayton, OH, USA

410 - Visceral Adiposity Is a Significantly Stronger Predictor of Diabetes Incidence in Men Than in Women

Alexander Vonbank, Christoph Saely, Christina Lins, Daniela Zanolin, Andreas Leiherer, Philipp Rein, Axel Muendlein, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

411 - Empagliflozin and Canagliflozin Attenuate Inflammatory Cytokines Interferon- $\gamma$ , Tumor Necrosis Factor- $\alpha$ , Interleukin-6: Possible Mechanism of Decreasing Cardiovascular Risk in Diabetes Mellitus

Stanley Andrew Tan, Linda Tan, Oakcrest Health Research Institute, Orlando, FL, USA, Loma Linda University, Fayetteville, NC, USA

412 - Soluble Urokinase Plasminogen Activator Receptor Compared to Coronary Artery Calcium Score and High Sensitivity C Reactive Protein in Predicting Death in African Americans With Diabetes

Mohamad Raad, Salim Hayek, Jianzhao Xu, Donald Bowden, Jochen Reiser, Barry Freedman, Emory University School of Medicine, Atlanta, GA, USA, Wake Forest School of Medicine, Winston Salem, NC, USA

413 - Population Study on Cardiovascular Risk in Young Indians Across Continent: Time For Action

Rajay Narain, Ahmed Merghani, Gherardo Finocchiaro, Harshil Dhutia, Aneil Malhotra, Michael Papadakis, Sanjay Sharma, St. George's University of London, London, United Kingdom

414 - Incremental Cost of Cardiovascular Disease, Hypertension, and Pain For Patients With Diabetes Mellitus

Deborah Taira, Santhosh Mannem, Wesley K. Sumida, James Davis, Ralph Shohet, Todd Seto, University of Hawaii, Honolulu, HI, USA

415 - Serum Uromodulin Is Significantly Associated With Both Type 2 Diabetes and Prediabetes

Andreas Leiherer, Axel Muendlein, Christoph Saely, Eva-Maria Brandtner, Peter Fraunberger, Heinz Drexel, Vorarlberg Institute for Vascular

Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

416 - Evaluation of the Association of Single Nucleotide Polymorphisms in the Sodium Glucose Co-Transporter 2 Gene With Glucose Homeostasis and Type 2 Diabetes

Axel Muendlein, Janine Ebner, Andreas Leiherer, Christoph Saely, Kathrin Geiger, Eva-Maria Brandtner, Daniela Zanolin, Alexander Vonbank, Peter Fraunberger, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

417 - Correlation Between Circulating MicroRNAs and Chronic Kidney Disease in Patients With and Without Type 2 Diabetes

Axel Muendlein, Kathrin Geiger, Andreas Leiherer, Christoph Saely, Janine Ebner, Eva-Maria Brandtner, Daniela Zanolin, Alexander Vonbank, Peter Fraunberger, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

418 - Serum Uromodulin Predicts Mortality Independently From the Presence of Type 2 Diabetes

Andreas Leiherer, Axel Muendlein, Christoph Saely, Janine Ebner, Eva-Maria Brandtner, Peter Fraunberger, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

419 - Single Nucleotide Polymorphisms at the HMGCR Gene Locus Significantly Predict Total Mortality in Angiographed Coronary Patients With the Metabolic Syndrome

Andreas Leiherer, Axel Muendlein, Christoph Saely, Philipp Rein, Alexander Vonbank, Peter Fraunberger, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

420 - The Creatinine to Uromodulin Ratio in Serum Predicts Major Cardiovascular Events Independently From the Presence of Type 2 Diabetes

Andreas Leiherer, Axel Muendlein, Christoph Saely, Janine Ebner, Eva-Maria Brandtner, Peter Fraunberger, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

421 - Serum Uromodulin Predicts a Decline in Kidney Function Independently From the Presence of Type 2 Diabetes

Andreas Leiherer, Axel Muendlein, Christoph Saely, Eva-Maria Brandtner, Kathrin Geiger, Peter Fraunberger, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

422 - Type 2 Diabetes, Chronic Kidney Disease, and Mortality in Patients With Established Cardiovascular Disease

Christoph Saely, Alexander Vonbank, Christina Lins, Daniela Zanolin, Andreas Leiherer, Philipp Rein, Axel Muendlein, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

423 - Impact of Past and Current Smoking on the Risk of Future Cardiovascular Events in Angiographed Coronary Patients With Type 2 Diabetes

Christoph Saely, Christina Lins, Daniela Zanolin, Andreas Leiherer, Alexander Vonbank, Axel Muendlein, Philipp Rein, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

424 - The Severity of the Metabolic Syndrome Among Angiographed Coronary Patients Predicts Cardiovascular Events Both in Patients With Diabetes and in Nondiabetic Subjects



Christoph Saely, Alexander Vonbank, Christina Lins, Daniela Zanolin, Andreas Leiberer, Axel Muendlein, Philipp Rein, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

425 - Cardio-Ankle Vascular Index as a Predictor of Cardiovascular Events and All-Cause Mortality in Metabolic Syndrome Patients

Thosaphol Limpitjankit, Prin Vathesatogkit, Dujrudee Matchariyakul, Teerapat Yingchoncharoen, Hathaichon Boonhat, Piyamitr Sritara, Ramathibodi Hospital Mahidol University, Bangkok, Thailand, Medical and Health Division EGAT, Nonthaburi, Thailand

426 - Missed Opportunities For Cardiovascular Disease (CVD) Prevention During US Ambulatory Care Visits For Patients With Diabetes Mellitus

Jonathan D. Newman, Jeffrey Berger, Joseph Ladapo, New York University School of Medicine, New York, NY, USA

427 - Does Eating Fast Cause Obesity and Metabolic Syndrome?

Takayuki Yamaji, Shinsuke Mikami, Hiroshi Kobatake, Kengo Kobayashi, Haruki Tanaka, Kouichi Tanaka, Misyoshi Central Hospital, Miyoshi, Japan

428 - Metabolic Syndrome as a Predictor of Cardiovascular Mortality in the CARMELA-Chile Study: Better Than the ACC/AHA and the Chilean-Modified Framingham Risk Scores

Monica Acevedo, Giovanna Valentino, Lorena Orellana, Marcela Adasme, Maria Jose Bustamante, Fernando Baraona, Carlos Navarrete, Pontificia Universidad Católica de Chile, Santiago, Chile

430 - Decrease in the Rates of Fatal and Non-Fatal Cardiovascular Events in the Presence of Increasing Rates of Diabetes in New Jersey

William J. Kostis, Stavros Zinonos, Javier Cabrera, Jeanne Dobrzynski, John B. Kostis, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

431 - Effect of Short and Long Sleep Duration in Predicting Obesity Among Various Racial Groups of a Large Multi-Ethnic Organization

Muhammad Aziz, Tanuja Rajan, Dorthy Morency, Mythili Penugonda, Nicole Ross, Muhammad Latif, Maribeth Rouseff, Henry Guzman, Theodore Feldman, Ehimen Aneni, Emir Veledar, Khurram Nasir, West Kendal Baptist Hospital, Baptist Health South Florida, Miami, FL, USA

432 - Primary Prevention With Aspirin Reduces Mortality in Type 2 Diabetes and Heart Failure: Results From the THIN Primary Care Database

Charbel Abi Khalil, Omar Omar, Jassim Al Suwaidi, Shahrads Taheri, Weill Cornell Medicine-Qatar, Doha, Qatar

433 - The SGLT2 Inhibitor Empagliflozin Does Not Exhibit Pro Thrombotic Effects

Carlos G. Santos-Gallego, Mohammad Zafar, Rodolfo San Antonio, Juan Antonio Requena Ibanez, Maria Belen Picatoste Botija, Kiyotake Ishikawa, Shin Watanabe, Roger Hajjar, Valentin Fuster, Juan Badimon, Icahn School of Medicine at Mount Sinai, New York, NY, USA

434 - First Responder Heart Disease Risk Reduction, Insulin Resistance, and a Personalized Lifestyle Management Program

H. Robert Superko, Rosalynn Gill, Megan M. McCarthy, Jack Kepka, Debanjali Ghosh, Briana Jones, Joi A. Gleason, Paul T. Williams, Michael L. Dansinger, Boston Heart Diagnostics, Boston, MA, USA, Heart Fit for Duty, Gilbert, AZ, USA

### **Pulmonary Hypertension and Venous Thrombo-embolic Disease - Poster Contributions**

#### **Session #1209**

#### **Pulmonary Embolism: Devices, Anticoagulants and Response Teams Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

373 - Efficacy and Safety of Direct Oral Anticoagulants in Intermediate-High Risk Pulmonary Embolism: Results From a Multidisciplinary Multicenter Prospective Registry

Romain Chopard, Jean-Noel Andarelli, Lisbeth Cart, Marc Badoz, Fiona Ecarnot, Francois Schiele, Nicolas Meneveau, University Hospital Jean Minjot, Besancon, France

374 - The Impact of Multi-Specialty Team For High Risk Pulmonary Embolism on Resident and Fellow Education

Ayman Elbadawi, Colin Wright, Dhvani Patel, Yu Lin Chen, Scott Cameron, University of Rochester, Rochester, NY, USA, Rochester General Hospital, Rochester, NY, USA

375 - Implementation and Outcomes of a Pulmonary Embolism Response Team: A Single Center Experience

Kinan Kassar, Manik Veer, Mark Doyle, Ami Patel, Eric Bihler, Raymond Benza, Manreet Kanwar, Allegheny General Hospital, Pittsburgh, PA, USA

377 - Risks of Catheter-Directed Therapy Versus Conservative Therapy in a High Risk, Propensity-Score Matched Pulmonary Embolism Patient Population

Andrew Putnam, Kyle Carey, Atman Shah, Sandeep Nathan, John Blair, Matthew Churpek, Janet Friant, Jonathan Paul, University of Chicago Medical Center, Chicago, IL, USA

378 - Inpatient Cost of Ultrasound-Assisted Catheter-Directed Thrombolysis in Patients With Submassive Pulmonary Embolus: A Single Center Registry Analysis

Ryan Orgel, Eric Pauley, David Lee, Joseph Rossi, University of North Carolina, Chapel Hill, NC, USA

### **Special - Heart-to-Heart Stage**

#### **Session #6503**

#### **MACRAnymys: Understanding the Alphabet Soup**

**Sunday, March 11, 2018, 9:30 a.m. - 10:00 a.m.**

**Heart to Heart Stage: Lounge & Learn, Hall C**

**CME Hours: /CNE Hours:**

9:30 a.m.

MACRAnymys: Understanding the Alphabet Soup

Paul N. Casale

New York, NY

9:30 a.m.

MACRAnymys: Understanding the Alphabet Soup

C. Michael Valentine

Lynchburg, VA

### **Special - Poster Contributions**

#### **Session #1189**

#### **Shared Decision Making in Diverse Populations**

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

111 - Preferences and Attitudes of Young Chinese Clinicians About Using a Shared Decision Making Tool For Cardiovascular Risk Communication

Rongchong Huang, Xiantao Song, Dongfeng Zhang, Jiaying Xu, Kasey R. Boehmer, Aaron A. Leppin, Michael Gionfriddo, Henry H. Ting, Victor





Montori, The Department of Cardiology, The First Affiliated Hospital of Dalian Medical University, Dalian City, People's Republic of China

112 - Patient-Provider Racial Concordance and Patient Reported Healthcare Experience, Among Adults With Atherosclerotic Cardiovascular Disease: Insights From Medical Expenditure Panel Survey, 2010-2013  
Victor Okunrintemi, Erica Spatz, Haider Warraich, Rohan Khera, Joseph Salami, Javier Valero-Elizondo, Oluseye Ogunmoroti, Hakeem Ayinde, Benjamin Patrick, Salim Virani, Michael Blaha, Ron Blankstein, Khurram Nasir, Baptist Health South Florida, Miami, FL, USA

### Special - Poster Contributions

#### Session #1190

#### It Takes a Team For High Risk Patients

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

113 - Novel Management of Pulmonary Embolism Through a Fontan  
William Stendar, Daniel Walters, Eric Adler, Mitul Patel, University of California, San Diego, San Diego, CA, USA

114 - Bariatric Surgery in Morbidly Obese Advanced Heart Failure Patients  
Candace A. Becker, Maggie D. Mendenhall, Susan George, Tonia Jacob, Angela Patrick, Melissa Duke, Megan Corder, Neela Chelikani, Douglas Horstmannshof, Hamilton Le, James Long, INTEGRIS Baptist Medical Center, Oklahoma City, OK, USA

### Special - Poster Contributions

#### Session #1191

#### FIT Clinical Decision Making: Heart Failure and Cardiomyopathies

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

115 - Percutaneous Mechanical Hemodynamic Support as a Bridge to Recovery in Severe Takotsubo Cardiomyopathy With Profound Left Ventricular Outflow Tract Obstruction and Cardiogenic Shock  
Sagger Mawri, Brittany Fuller, Gerald Koenig, Sachin Parikh, Mohammad Zaidan, Henry Ford Hospital, Detroit, MI, USA

116 - Chronic Chagas Cardiomyopathy Presenting as Ventricular Tachycardia Storm  
Srikanth Yandrapalli, Luis Francisco Hidalgo Ponce, Amole Ojo, Wilbert Aronow, Gregg Lanier, New York Medical College at Westchester Medical Center, Valhalla, NY, USA

117 - Cardiac amyloidosis Masquerading as Hypertrophic Obstructive Cardiomyopathy  
Lohit Garg, Naveen Sablani, Amy Ahnert, Bruce Feldman, Lehigh Valley Health Network, Allentown, PA, USA

118 - Biomarker and CMR Negative Cardiac Nonamyloidotic Monoclonal Immunoglobulin Deposition Disease (CIDD) and Renal Amyloidosis  
George Bodziock, Robert Cornell, Stacey Goodman, Agnes Fogo, Robert Hoffman, Mark Lawson, Joseph Salloom, Rebecca Hung, Vanderbilt University Medical Center, Nashville, TN, USA

119 - Cardiac Amyloidosis Requires Sufficient Suspicion in the Setting of Prior Heart Disease  
George Bodziock, Rebecca Hung, Vanderbilt University Medical Center, Nashville, TN, USA

120 - Takotsubo Cardiomyopathy Superimposed to Hypertrophic Cardiomyopathy Presenting as Cardiogenic Shock: A Diagnostic Challenge

Nicolas Isaza, Adriana Posada, Jhonattan Benavides, Mauricio E. Diaz, Daniel Isaza-Restrepo, Claudia Jaimes, Fundacion Cardioinfantil Instituto de Cardiologia, Bogota, Colombia

121 - Endocarditis and Acute Cellular Rejection in a Heart Transplant  
Estefania Oliveros, Sunil Pauwaa, Gregory Macaluso, Ambar Andrade, Tisha Suboc, Patroklos Pappas, Antone Tatoes, Geetha Bhat, William Cotts, Rush University Medical Center, Chicago, IL, USA, Advocate Christ Medical Center, Oak Lawn, IL, USA

122 - Successful Implementation of Veno-Arterial Extra-Corporeal Membrane Oxygenation (VA ECMO) as Rescue For Refractory Ventricular Tachycardia (VT) in Fulminant Myocarditis  
Omer Mirza, Anurag Sahu, David Vega, Emory University, Atlanta, GA, USA

123 - An Unusual Case of Constrictive Pericarditis  
Hussein Abu Daya, Federico De Puy, Arka Chatterjee, University of Alabama at Birmingham, Birmingham, AL, USA

124 - Tricuspid Regurgitation Induced by Permanent Pacemaker  
Eric Szu, James Kim, Thomas Wisenbaugh, Ryan Smith, Tripler Army Medical Center, Honolulu, HI, USA

125 - Unlocking the Mystery of Maternal Failing Heart  
Thanayluck Sotananusak, Teerapat Yingchoncharoen, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

126 - Complete Recovery of Arrhythmia-Induced Cardiomyopathy Following Home Inotropic Therapy  
Luis Francisco Hidalgo Ponce, Tasleem Katchi, Chhaya Aggarwal, Wilbert Aronow, Westchester Medical Center, Valhalla, NY, USA, New York Medical College, Valhalla, NY, USA

127 - Myasthenia Gravis Crisis Associated Stress (Takotsubo) Cardiomyopathy  
George Jolly, Abbas Haidry, Anna Koulova, Adam Horblitt, Srihari Naidu, Howard Cooper, Westchester Medical Center, Valhalla, NY, USA

128 - Acute Anthracycline Induced Cardiotoxicity: A Rare and Reversible Cause of Acute Systolic Heart Failure  
Hoyle Whiteside, Arun Nagabandi, Amudhan Jyothidasan, Kristen Brown, John Thornton, Medical College of Georgia at Augusta University, Augusta, GA, USA

129 - The Atrial Kick: Atrioventricular Dyssynchrony Causing Paroxysms of Hypotension in Setting of Acute Left Ventricular Dysfunction  
Mayank Sardana, Amir Shaikh, Craig Smith, University of Massachusetts Medical School, Worcester, MA, USA

130 - Atypical Hemolytic Uremic Syndrome Presenting as Myocarditis and Cardiogenic Shock in an Adult  
Melody Hermel, Erika Jones, Annahita Sarcon, Saif Azam, Luanda Grazette, Jerold Shinbane, Ilene Weitz, University of Southern California, Los Angeles, CA, USA

131 - Constrictive Pericarditis: How Kussmaul's Sign Prevented Dialysis  
Charles German, Karl Richardson, Wake Forest Baptist Medical Center, Winston Salem, NC, USA

132 - A Unique Case of Takotsubo Cardiomyopathy Associated With Primary Aldosteronism  
Dominika Zoltowska, Yashwant Agrawal, Vishal Gupta, Jagadeesh Kalavakunta, Western University of Michigan, Kalamazoo, MI, USA, St. Joseph Mercy Oakland Hospital, Pontiac, MI, USA

133 - Another Reason to Check Complete Blood Count in Breathless Patients  
Osama Alsara, R. David Anderson, University of Florida, Gainesville, FL, USA





134 - Reversible Pulmonary Hypertension and Clinical Right Heart Failure Associated With Graves Disease

Gloria Ayuba, Ifeoma Ugonabo, Steven Werns, Beaumont Health System, Dearborn, MI, USA

135 - Antibody Mediated Rejection Sixteen Years Post Cardiac Transplantation: An Uncommon Late Presentation

Charles Miller, Marwa Sabe, David DeNofrio, Tufts Medical Center, Boston, MA, USA, Beth Israel Deaconess Medical Center, Boston, MA, USA

136 - Increase Left Ventricular Thickness in the Young: It Isn't Always Hypertrophic Cardiomyopathy

Shady Nakhla, Venu Menon, Cleveland Clinic, Cleveland, OH, USA

137 - Acute Necrotizing Eosinophilic Myocarditis Causing Cardiogenic Shock: When to Bite or to Treat of This Rare Disease?

Aekarach Green Ariyachaipanich, Krit Vanapruks, Supanee Sinphurmsukskul, Chulalongkorn University, Bangkok, Thailand

138 - Electric Shock and Cardiogenic Shock: A Case of DC Cardioversion Resulting in Stress Cardiomyopathy

Shudhanshu Alishetti, Anna Beyer, Richard Hongo, California Pacific Medical Center, San Francisco, CA, USA

139 - Do Not Forget Your Flu Shot: An Interesting Case of Flu Myocarditis

Edin Sadic, Angel Martin, Hugo Narvarte, University of South Florida Internal Medicine, Tampa, FL, USA

140 - Cardiac Transplantation of a Donor Heart With Cornelia De-Lange Syndrome

Evan Chesler Klein, Katie E. Cohen, David Joyce, Lyle Joyce, Asim Mohammed, David Ishizawar, Mitchell Saltzberg, Nunzio Gaglianella, Medical College of Wisconsin, Milwaukee, WI, USA

141 - It's All in the Differential: New Cardiomyopathy in a 52-Year-Old Man With DRESS

Emily Lau, James Januzzi, Massachusetts General Hospital, Boston, MA, USA

142 - Testosterone-Induced Cardiomyopathy: Strong Muscles, Weak Heart

Sarah Doleeb, Vinay Thohan, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

143 - Solitary Cardiac Metastasis From Primary Oral Squamous Cell Carcinoma Presenting as ST-Elevation MI

Hiren Patel, Michael Francke, Heather Stahura, Mohammad El-Hajjar, Madhavi Kambam, Joshua Schulman-Marcus, Albany Medical College, Albany, NY, USA

144 - Giant Cell Myocarditis: Still a Conundrum

Mohammed A. Chamsi-Pasha, Houston Methodist Hospital, Houston, TX, USA

145 - Collateral Damage: Hurting the Heart While Curing Cancer

Cesia Maria Gallegos Kattan, Samit Shah, Joyce Oen-Hsiao, Paras Bhatt, Tariq Ahmad, Yale School of Medicine, New Haven, CT, USA

146 - Total Eclipse of the Heart: Primary Pericardial Mesothelioma Presenting as Constrictive Pericarditis

Isaac Tea, Mario Caruso, Sharif Ahmed, Lankenau Medical Center, Wynnewood, PA, USA

147 - Malignant Arrhythmias in Autoimmune Myocarditis Secondary to Immune Checkpoint Blockade Treatment

Eliany Mejia Lopez, Steven Dunn, Sula Mazimba, University of Virginia, Charlottesville, VA, USA

148 - Diagnosis of Constrictive Pericarditis by Echocardiographic and Invasive Hemodynamics

Andrew Harris, Swaroop Bommarreddi, Kelley Branch, University of Washington, Seattle, WA, USA

149 - Bumpy Road After LVAD Implant

Chi Yui Yung, Barry Boilson, Simon Maltais, Robert Jay Widmer, Farah Al-Saffar, Mackram Eleid, Mayo Clinic, Rochester, MN, USA

150 - Strictly About the Pericardium

Peter Hanna, Michael Tanoue, Alberta Warner, Jesse Currier, Janet Han, University of California Los Angeles, Los Angeles, CA, USA, West Los Angeles Veterans Affairs Medical Center, Los Angeles, CA, USA

151 - Cardiac Amyloid-LVOTO-osis

Lincoln Tirpaeck, Vikram Grewal, Fotis Katsikeris, Eesha Khan, Ahmad Turk, Jaime Hernandez Montfort, Martin Maron, Baystate Medical Center, Springfield, MA, USA, Tufts University, Boston, MA, USA

152 - Right Inferior Pulmonary Vein Stenosis by Pectus Excavatum in a 35 Year Old Female Who Underwent Coronary Artery Bypass Graft Procedure Due to Kawasaki Disease: Differentiation of the Occurrence of Partial Pulmonary Vein Congestion

Nobusada Funabashi, Gentaro Koyama, Hideyuki Miyauchi, Yoshihide Fujimoto, Hiroyuki Takaoka, Takuro Horikoshi, Goro Matsumiya, Yoshio Kobayashi, Department of Cardiology, Chiba University, Chiba, Japan

153 - Successful Transplantation of a Hepatitis C Donor Heart of Unknown Genotype to a Hepatitis C Seropositive Recipient

Amit Alam, Abhigyan Mukherjee, Dreamy James, Deepa Iyer, Kanika Mody, Jesus Almendral, Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ, USA

154 - Stress Induced Cardiomyopathy After Direct His-Bundle Pacing For Complete Heart Block

Jerry Centeno, Harshil Patel, JoonHyuk Kim, New York Presbyterian Queens, Queens, NY, USA

155 - Effusive Constrictive Pericarditis

Mohamed Ayan, Aisha Siraj, Sabha Bhatti, University of Arkansas for Medical Science, Little Rock, AR, USA

156 - High Output Heart Failure Secondary to a Coronary Caval Fistula and Patent Foramen Ovale

Jiken Bhatt, Miguel Castro, Houston Methodist Hospital, Houston, TX, USA

158 - A Case of Cobalt Cardiomyopathy

Hilda Mariana Gonzalez Bonilla, Arvind Bhimaraj, Houston Methodist Hospital, Houston, TX, USA

159 - Suction Event Demonstrated by Valsalva Maneuver in a Patient With Hm Ii Lvad

Mahwash Kassj, Sarah Schettler, Hadi Toeg, Elizabeth Bechtum, Simon Maltais, Brooks Edwards, Mayo Clinic, Rochester, MN, USA

160 - A "Funny" Way to Treat Cardiogenic Shock: A Case Series

Fuad Habash, Anusha Shanbhag, Aisha Siraj, Patrick Campbell, University of Arkansas Medical Sciences, Little Rock, AR, USA, Baptist Health Medical Center, Heart Failure and Transplant Institute, Little Rock, AR, USA

161 - Nivolumab-Induced Thyroid Storm and Cardiogenic Shock in a Patient With Metastatic Melanoma

Sumon Roy, Vinay Goswamy, Harinder Singh, Ignacio Portales, Todd Sheppard, Scott Feitell, Rochester General Hospital, Rochester, NY, USA



162 - Percutaneous Deactivation of HeartWare VAD For a Patient Presenting With Significant Pump Thrombosis

Arif Albulushi, Marshall Hyden, Jeffrey W. Delaney, University of Nebraska Medical Center, Omaha, NE, USA

163 - Isolated Cardiac Sarcoidosis Presenting With Left Ventricular Aneurysm: A Diagnostic Challenge

Srijan Shrestha, Ihab Kassab, Marshall Rovner, Stephen Horgan, Marc Goldschmidt, Morristown Medical Center, Morristown, NJ, USA

164 - A Shock to the System: Recurrent Takotsubo Syndrome Caused by Pheochromocytoma

Habibat Garuba, David Harnett, Benjamin Hibbert, University of Ottawa Heart Institute, Ottawa, Canada

165 - Three Types of Intrahepatic Shunts Presenting in a Single Patient With Hereditary Hemorrhagic Telangiectasia

Eric Brandt, Leila Haghighat, Guadalupe Garcia-Tsao, Katharine Henderson, Jeffrey Pollak, Deborah Proctor, Lawrence Young, Yale University School of Medicine, New Haven, CT, USA

166 - Ventricular Septal Rupture Post-Acute Myocardial Infarction: A Unique Clinical Conundrum

Behram Mody, Yogita Rochlani, Mohammed Hasan Khan, David Spielvogel, Masashi Kai, Howard Cooper, Alan Gass, Westchester Medical Center, Valhalla, NY, USA

167 - Hydroxychloroquine (Plaquenil) Cardiotoxicity: An Uncommon Complication of a Common Medication

Yogita Rochlani, Mohammed Hasan Khan, Behram Mody, Anthony Fuisz, Howard Cooper, Alan Gass, Westchester Medical Center - New York Medical College, Valhalla, NY, USA

168 - Refractory Heart Failure Secondary to Iron Overload Cardiomyopathy and Prognostic Implications of Cardiac Magnetic Resonance Imaging  
William White, Hoyle Whiteside, Arun Nagabandi, Tarun Sharma, Gyanendra Sharma, Medical College of Georgia at Augusta University, Augusta, GA, USA

169 - Stiff Left Atrial Syndrome: An Under-Recognized HFpEF Masquerader  
Aysa Amjad, Abhishek Dutta, Geoffery Jao, Wake Forest Baptist Health University, Winston Salem, NC, USA

170 - Persistent Ipsilateral Frontal and Supraorbital Facial Pain in a Patient With a Left Axillary Artery Intra-Aortic Balloon Pump

Abdallah Sanaani, Srikanth Yandrapalli, Gregg Lanier, William Frishman, Wilbert Aronow, Alan Gass, Westchester Medical Center/New York Medical College, Valhalla, NY, USA

171 - Biomarker Profiles as an Aide in Diagnosing Takotsubo Cardiomyopathy  
Ahmad Jabbar, Rohit Maini, Thierry Lejemtel, Tulane University Hospital, New Orleans, LA, USA

172 - A Case of Heart Failure From Asbestos Related Pericardial Constriction  
Joanna Catalano, Jovan Plamenac, Paul Sandhu, Xiaofeng Zhao, Rene Alvarez, Temple University Hospital, Philadelphia, PA, USA

173 - Constrictive Pericarditis: The Great Masquerader

Yeunjung Kim, Njeri Thande, Yale School of Medicine, New Haven, CT, USA

174 - An Unusual Case of Acute Pericarditis in Graves Disease

Denada Palm, Amer Ardadi, Adhir Ramesh Shroff, University of Illinois at Chicago, Chicago, IL, USA

175 - A Multidisciplinary Approach to the Management of a Rare Cardiomyopathy

Pragya Ranjan, Carly Fabrizio, Stephen Meng, Neil Wimmer, Christiana Care Health System, Newark, DE, USA

176 - Application of Genetic Testing in Unveiling the Diagnosis of Fabry Disease in a Patient With Hypertrophic Cardiomyopathy

Maheedhar Gedela, Kristen Deberg, Udit Bhatnagar, Christopher Stanton, Sanford Cardiovascular Institute, Sioux Falls, SD, USA

177 - Immunoglobulin G4-Related Disease Manifesting as Constrictive Pericarditis

Jill M. Steiner, Akash Kataruka, Christopher Burke, Edward Verrier, Catherine Otto, University of Washington, Seattle, WA, USA

178 - An Unusual Etiology of Chest Pain: Ruptured Coronary Arteriovenous Malformation

Ajay Sharma, Anil Jha, Sarju Ganatra, Sunita Sharma, G. Muqtada Chaudhry, Sachin Shah, Lahey Clinic Medical Center, Burlington, MA, USA

179 - Focal Takotsubo Cardiomyopathy: Does the Heart Have a Memory?

Mahmoud Abdelghany, David Lasorda, Jacob Shani, Kan Liu, State University of New York, Upstate Medical University, Syracuse, NY, USA

180 - Management of Heart Failure of Mixed Etiologies: Ischemic Cardiomyopathy and a Relatively High Output State

Weiyi Tan, Marcella Calfon-Press, Daniel Cruz, UCLA, Los Angeles, CA, USA

181 - The Recognition and Workup of High Output Heart Failure Due to Arteriovenous Malformations

Kiran Venkatesh, Owusu Asamoah, Mohammed Akhter, Theo Meyer, Timothy Fitzgibbons, University of Massachusetts Medical School, Worcester, MA, USA

182 - Light at the End of the Tunnel of Transthyretin Amyloidosis

Panu Dumrongkitchaiporn, Teerapat Yingchoncharoen, Tarinee Tangcharoen, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

183 - Rare First Presentation of AL Amyloidosis

Rayji Tsutsui, Aldo Schenone, James Young, Venu Menon, Cleveland Clinic, Cleveland, OH, USA

184 - Sudden Cardiac Death in Myotonic Dystrophy Type 1

Emily Hanson, Stewart Walther, Veena Raizada, University of New Mexico, Albuquerque, NM, USA

185 - Management Challenges of Stress-Induced Cardiomyopathy With Dynamic Left Ventricular Outflow Tract Obstruction

Sung Lee, Mario Rodriguez Rivera, Eelin Wilson, Bertin Salguero Porres, Michele Stanchina, Eyal Herzog, Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA

186 - Dynamic EKG Changes Are Not Always Acute Coronary Syndrome  
Chirag Patel, Delphine Tang, Muhammad Shahid, Abel Moreyra, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

187 - Individualizing Heart Failure Core Measures and Use of Beta Blockers in Severe Pulmonary Hypertension: A Learning Moment

Thong Nguyen, Waqas Qureshi, Wake Forest Baptist Health, Winston Salem, NC, USA

188 - Anabolic Steroids Induced Cardiomyopathy

Maulik Patel, Amar Shere, Jalal Ghali, Medical Center, Navicent Health, Macon, GA, USA

189 - Extra-Adrenal Pheochromocytoma Presenting With Inverse Takotsubo-Pattern Cardiomyopathy Successfully Treated With Surgical Resection



Syed Yaseen Naqvi, Jeffrey Bruckel, Thomas Welch, Jason Pacos, Ryan Nelson, Jacob Moalem, Sabu Thomas, University of Rochester Medical Center, Rochester, NY, USA

190 - Cardiomyopathy Bridged to Heart Transplant With Ambulatory Extracorporeal Membrane Oxygenation in a Peripartum Patient  
Syed Yaseen Naqvi, Ayhan Yoruk, Eva Pressman, Courtney Olson-Chen, Sunil Prasad, Bryan Barrus, Igor Gosev, Jeffrey Alexis, Sabu Thomas, University of Rochester Medical Center, Rochester, NY, USA

191 - Reverse Stress Induced Cardiomyopathy in a Patient With Prior Apical Stress Induced Cardiomyopathy: Challenging the Beta Receptor Gradient Theory

Ahmed Rashed, Mohamed Shokr, Ahmed Subahi, Fayez Siddiqui, Aziz Alkatib, Luis Afonso, Wayne State University and Detroit Medical Center, Detroit, MI, USA

192 - Systemic Sclerosis Presenting as an Effusive Constrictive Pericarditis  
Tanvir K. Kahlon, Ryan Kuhnlein, Jerry Sojan, Raghavendra Kamath, St. John Hospital and Medical Center, Detroit, MI, USA

193 - Takayasu's Arteritis: A Rare Cause of Heart Failure in Children  
Doaa Aly, Natalie Jayaram, Children's Mercy Hospital, Kansas, MO, USA

194 - Avoiding Cardiac Transplantation With His Bundle Pacing and LVAD Support: A Severe Form of RV Pacing Induced Cardiomyopathy in a Teenager  
Sanjeeb Bhattacharya, Gopi Dandamudi, Krannert Institute of Cardiology at Indiana University, Indianapolis, IN, USA

195 - SVC Syndrome With Pericardial Effusion and Tamponade: Not Always Malignant  
Nikhil Choudhary, Arun Agarwal, Vijay Kumar Sharma, Narayana Multispeciality Hospital, Jaipur, India

196 - LVAD as a Bridge to Heart Transplantation in a Patient With Left Ventricular Noncompaction Cardiomyopathy and Advanced Heart Failure  
Amer Hawatmeh, Mohammad Thawabi, Martin Strueber, Claudia Gidea, Marc Cohen, Newark Beth Israel Medical Center, Newark, NJ, USA

197 - Isolated Right Ventricular Lymphocytic Myocarditis as a Cause of Right Ventricular Failure  
Amer Hawatmeh, Mohammad Thawabi, Claudia Gidea, Marc Cohen, Newark Beth Israel Medical Center, Newark, NJ, USA

198 - Anabolic Androgenic Steroid Abuse and Reversible Cardiomyopathy: An Emerging and Under-Recognized Cardiovascular Public Health Problem Among Fitness Enthusiasts  
Dakshin Gangadharamurthy, Natesa Pandian, Saurabh Malhotra, Syed Tahir, Jayanta Mukherjee, Tufts Medical Center, Boston, MA, USA, Signature Healthcare, Brockton, MA, USA

199 - Recurrent Reversible Stress Induced Cardiomyopathy From Severe Anxiety: A Management Dilemma  
Umair Tariq, James Gabriels, Donna Marchant, Atm Mohiuddin, North Shore University Hospital, Manhasset, NY, USA

200 - Kickboxing a Cardiomyopathy: A Case Where Mitochondrial Sequencing Provides Novel Answer For Young Athlete and Her Family  
Elizabeth Hill, Ali Torkamani, Eric J. Topol, Evan D. Muse, Scripps Clinic, Prebys Cardiovascular Institute, La Jolla, CA, USA, Scripps Translational Science Institute, La Jolla, CA, USA

201 - Severe Myocarditis as a Complication of a Novel Dual Immunotherapy Treatment in a Patient With Esophageal Cancer  
Giselle Suero-Abreu, Miguel Gonzalez Velez, Luke Chong, Arturo Perez, Shalini Krishnasamy, Tracy A. Proverbs-Singh, Martin Gutierrez, Rutgers

University New Jersey Medical School, Newark, NJ, USA, John Theurer Cancer Center, Hackensack, NJ, USA

202 - Does Endomyocardial Fibrosis Exist in the United States? A Challenging Case

Nitika Dabas, Conrad Macon, Rosario Colombo, Amit Badiye, University of Miami, Miami, FL, USA, Jackson Memorial Hospital, Miami, FL, USA

203 - 5-Fluorouracil Induced Takotsubo Cardiomyopathy  
Chandana Shekar, Supriya Tigadi, University of Connecticut Health Center, Farmington, CT, USA, LA Biomedical Research Institute at Harbor-UCLA, Torrance, CA, USA

204 - Non Ischemic Cardiomyopathy in Focal Segmental Glomerulosclerosis  
Parminder Kaur, Balraj Singh, Rahul Vasudev, Upamanyu Rampal, Saint Joseph Regional Medical Centre, Paterson, NJ, USA

205 - Primary Cardiac B-Cell Lymphoma in Pregnancy  
Punag Divanji, David Rosenthal, Donald Grandis, Elyse Foster, University of California San Francisco, San Francisco, CA, USA

206 - Silent But Lethal: A Near Fatal Case of Arrhythmogenic Right Ventricular Cardiomyopathy  
Vinay Goswamy, Carlos Vazquez, Bipul Bibhav, Manuel Rodriguez, Mohan Rao, Rochester General Hospital, Rochester, NY, USA

207 - Löffler's Endocarditis: Cardiac MRI Leading to Prompt Initiation of Therapy  
Ari Bennett, Sefik Gokaslan, Yasmeen Butt, Susan Matulevicius, Amit Khera, David McNamara, University of Texas Southwestern Medical Center, Dallas, TX, USA

208 - Management of Severe Persistent Diastolic Dysfunction and Acute Renal Failure After Pediatric Heart Transplantation  
Hasti Sanandajifar, Avichal Aggarwal, University of Mississippi Medical Center, Jackson, MS, USA

### Special - Poster Contributions

#### Session #1192

#### Learning in the Digital Era: Leveraging Technology in Medical Education

**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

209 - Use of Three-Dimensional Models of Congenital Heart Defects to Enhance Resident Education  
Shelby White, Jennifer Sedler, Trahern Jones, Michael Seckeler, University of Arizona, Tucson, AZ, USA

210 - BIFURCAID: An App Defining a New Era of Innovative Medical Education in Cardiovascular Medicine  
Samit Bhatheja, Surbhi Chamaria, Rivelle Zlatopolsky, Sarthak Kakkar, Jason Rogers, Ashish Atreja, Samin K. Sharma, Annapoorna Subhash Kini, Mount Sinai Hospital/Interventional Cardiology, New York, NY, USA

211 - Medication Communication Practices Between Providers in Cardiology  
Rebecca Tisdale, David Ouyang, Paul Cheng, Jeffrey Chi, Jonathan Chen, Euan Ashley, Division of Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA, USA, Division of Hospital Medicine, Stanford University School of Medicine, Stanford, CA, USA

212 - An Electronically-Delivered, Multi-Modality Imaging Curriculum to Increase Cardiology Trainee Exposure to Rare Disorders  
Sara Negrotto, David McNeely, Lisa Mendes, Julie Damp, Vanderbilt University Medical Center, Nashville, TN, USA



### Special - Poster Contributions

#### Session #1193

#### ACC International Conferences Best Posters

Sunday, March 11, 2018, 9:30 a.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

To view full abstracts of the ACC International Conferences Best Posters, please search for session 1110 in the ACC.18 App or Online Program Planner.

### Valvular Heart Disease - Poster Contributions

#### Session #1211

#### AS, MS and TAVR

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

391 - Low Flow, Low Gradient Severe Mitral Stenosis: Hemodynamics, Clinical Characteristics and Outcomes

Abdallah El Sabbagh, Yogesh Reddy, Sergio Barros-Gomes, Barry Borlaug, William Miranda, Sorin Pislaru, Rick A. Nishimura, Patricia Pellikka, Mayo Clinic, Rochester, MN, USA

392 - Characteristics and Predictors For Maintaining Sinus Rhythm at Least 10-Year After Successful Percutaneous Mitral Balloon Valvotomy in Severe Mitral Stenosis Patients

In-Jeong Cho, Hyuk-Jae Chang, Sang-Eun Lee, Darae Kim, Jong-Ho Nam, Chi Young Shim, Geu-Ru Hong, Severance Hospital, Seoul, South Korea

394 - Malnutrition and Mortality in Older Adults Undergoing Aortic Valve Replacement

Michael Goldfarb, Sandra Lauck, John Webb, Anita Asgar, Louis Perrault, Nicolo Piazza, Giuseppe Martucci, Kevin Lachapelle, Nicolas Noiseux, Dae Hyun Kim, Jeffrey Popma, Thierry Lefèvre, Marino Labinaz, Andre Lamy, Mark Peterson, Rakesh Arora, Philippe G  n  reux, Jos   Morais, Jean-Francois Morin, Lawrence Rudski, Jonathan Afilalo, Jewish General Hospital, Montreal, Canada

395 - Prognostic Value of Post Procedure Stroke Volume Index After Transcatheter Aortic Valve Replacement in Low-Gradient Severe Aortic Stenosis

Yugo Nara, Akihisa Kataoka, Yusuke Watanabe, Makoto Nakashima, Hirofumi Hioki, Hideyuki Kawashima, Fukuko Nagura, Ken Kozuma, Shinichi Shirai, Tada Norio, Motoharu Araki, Toru Naganuma, Futoshi Yamanaka, Hiroshi Ueno, Minoru Tabata, Kazuki Mizutani, Akihiro Higashimori, Kensuke Takagi, Masanori Yamamoto, Kentaro Hayashida, Teikyo University Hospital, Tokyo, Japan

396 - Effect of Chronic Obstructive Pulmonary Disease on Progression of Aortic Stenosis

Rimsha Hasan, Aisha Siraj, Srikanth Vallurupalli, University of Arkansas for Medical Science, Little Rock, AR, USA

397 - Differences in Clinical Outcomes and Echocardiographic Profiles of Patients With Atrial Fibrillation in Medically-Managed Severe Aortic Stenosis and Preserved Left Ventricular Ejection Fraction

Nicholas Ngiam, Yong-Qiang Benjamin Tan, Ching-Hui Sia, Hui-Wen Sim, Nicholas Chew, William K. F. Kong, Edgar Tay, Kian Keong Poh, National University Heart Centre Singapore, National University Health System, Singapore, Singapore

398 - Aortic Stenosis and Functional Mitral Regurgitation: Understanding the Relationship Between Morphology and Function According to Left Ventricular Concentricity and Dilatation

Stephanie Kochav, Jonathan Kochav, Nicholas Ngiam, Edgar Tay, Tiong Cheng Yeo, Kian Keong Poh, National University Heart Centre Singapore, National University Health System, Singapore, Singapore

399 - Concomitant Mitral Regurgitation as a Predictor of Long-Term Outcome in Patients With Aortic Stenosis

Geraldine Ong, Anne-Sophie Zenses, Mohammed Salah Annabi, Ezquiel Guzzetti, Erwan Salaun, Ouhami Toubal, Jonathan Beaudoin, Philippe Pibarot, Marie-Annick Clavel, Institut Universitaire de Cardiologie et de Pneumologie de Quebec, Quebec, Canada

400 - TAVR With and Without Pacemaker Implantation During the Index Admission: Is There a Difference in 12-Month Resource Utilization and Outcomes?

April W. Simon, Aaron Kugelmass, David Cohen, Matthew Reynolds, Marc Katz, Phillip Brown, Steven Culler, Healthtrust, Nashville, TN, USA

### Vascular Medicine - Poster Contributions

#### Session #1210

#### Vascular Risk and Protection in Arteries Large and Small

Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

379 - Association Between Plasma Annexins & Vascular Function in African American Diabetic Patients

Ajibola M. Adedayo, Ayobami Eluwole, Fasika Tedla, Arye Kremer, Nicole Mastrogiorganni, Muhammad Khan, Carl Rosenberg, Paul Dreizen, John LaRosa, Louis Saliccioli, Mohamed Boutjdir, MaryAnn Banerji, Clinton Brown, Moro Salifu, Jason Lazar, Ahmed Bakillah, SUNY Downstate Medical Center, Brooklyn, NY, USA

380 - Markers of Oxidative Stress and Peripheral Artery Disease

Jamal Hajjari, Ayman S. Tahhan, Ayman Alkhoder, Belal Kaseer, Abdelhadi Naser, Zakaria Almuwaqqat, Mohamad M. Gafeer, Fahad Choudhary, Keyur Patel, Arti Patel, Murtuza Jafri, Muaaz Choudhary, Laila Hasnain, Saqib Qadir, Arianna Sidoti, Anjali Lankford, Ravila Bhimani, Yi-An Ko, Viola Vaccarino, Laurence Sperling, Dean Jones, Arshed Quyyumi, Emory University, Atlanta, GA, USA

381 - Presentation of Spontaneous Coronary Artery Dissection and the Prevalence of Fibromuscular Dysplasia

Patrick McNair, Alex Parker, Angela Taylor, Robert Battle, Aditya Sharma, University of Virginia Health System, Charlottesville, VA, USA

382 - Determination of Long-Term Variability of Endothelial Function as Measured by Pulse Amplitude Tonometry

Sebhat Ergou, Kevin Kip, Sanjay Patel, Suresh Mulukutla, Steven Reis, University of Pittsburgh, Pittsburgh, PA, USA

383 - Hemodynamic Correlates of Blood Pressure Across the Adult Age Spectrum: Noninvasive Evaluation in the Jackson Heart Study

F. WASHINGTON, Yuichiro Yano, Solomon K. Musani, Connie Tsao, Leroy L. Cooper, Naomi M. Hamburg, Emelia Benjamin, Vasan Ramachandran, Gary Mitchell, Ervin Fox, University of Mississippi Medical Center, Jackson, MS, USA

384 - Incidence of Major Adverse Cardiovascular and Limb Events in Medicare Patients With Peripheral Artery Disease

Jeremy Van't Hof, Marc P. Bonaca, Eric Weinhandl, Niki Oldenburg, Monica Chase, Joshua A. Beckman, University of Minnesota, Minneapolis, MN, USA

385 - The A-Body-Shape-Index and Type 2 Diabetes Are Mutually Independent Predictors of Cardiovascular Events Risk in Angiographed Coronary Patients





Alexander Vonbank, [Christoph Saely](#), Christina Lins, Daniela Zanolin, Andreas Leihner, Axel Muendlein, Heinz Drexel, Vorarlberg Institute for Vascular Investigation and Treatment, Feldkirch, Austria, Academic Teaching Hospital, Feldkirch, Austria

386 - Development of High Sensitivity Screening For Assessing Individual Level Risk For Peripheral Arterial Disease

[Abbas S. Ali](#), Rahul Patel, Luke Marone, Zulfiqar Qutrio Baloch, Stephen McQueen, Partho P. Sengupta, West Virginia University, Morgantown, WV, USA, Brandon Regional Hospital, Brandon, FL, USA

387 - Anthracycline-Induced Cardio-and Vaso-Toxicity in Patients Receiving Chemotherapy For Breast Cancer

Evangelos Oikonomou, Maria Anastasiou, Flora Zagouri, Gerasimos Siasos, Alexios Antonopoulos, [Sotirios Tsalamandris](#), Athina Goliopoulou, George-Angelo Papamikroulis, Vasiliki Tsigkou, Theodora Psaltopoulou, Aristotelis Bamias, Meletis Dimopoulos, Dimitris Tousoulis, First Cardiology Clinic, 'Hippokraton' Hospital, National and Kapodistrian University of Athens, Athens, Greece

388 - Acute Effects of Coffee on Endothelial Function and Arterial Reflected Waves Independently of Prior Habitual Coffee Consumption

Evangelos Oikonomou, George-Angelo Papamikroulis, Gerasimos Siasos, Alexios Antonopoulos, [Sotirios Tsalamandris](#), Athina Goliopoulou, Petros Fountoulakis, Georgia Vogiatzi, Panagiotis Theofilis, Georgia Skotsimara, Leonidas Koliostasis, Dimitris Tousoulis, First Cardiology Clinic, 'Hippokraton' Hospital, National and Kapodistrian University of Athens, Athens, Greece

389 - Arterial Stiffness and Endothelial Function For the Risk Assessment of New Diabetic Retinopathy Development in Type 2 Diabetes

Evangelos Oikonomou, Alexios Antonopoulos, Nikolaos Gouliopoulos, Gerasimos Siasos, Marilita Moschos, Theodosia Konsola, Christina Kollia, Georgia Siasou, Theodore Paraskevopoulos, Emmanouil Vavuranakis, Eva Kassi, Nikolaos Tentolouris, Charalambos Antoniadis, Christodoulos Stefanadis, [Dimitris Tousoulis](#), First Cardiology Clinic, 'Hippokraton' Hospital, National and Kapodistrian University of Athens, Athens, Greece

390 - Endothelial Function Predicts Anthracycline-Induced Cardiotoxicity

Evangelos Oikonomou, Maria Anastasiou, Flora Zagouri, Gerasimos Siasos, Alexios Antonopoulos, [Sotirios Tsalamandris](#), George-Angelo Papamikroulis, Pavlos Papakostas, Theodora Psaltopoulou, Aristotelis Bamias, Meletis Dimopoulos, Dimitris Tousoulis, First Cardiology Clinic, 'Hippokraton' Hospital, National and Kapodistrian University of Athens, Athens, Greece

### Acute and Stable Ischemic Heart Disease - Moderated Poster Contributions

#### Session #1224M

#### Endothelial and Microcirculatory Function: New Advances

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: David L. Brown

ACC Poster Moderator: Alexandra J. Lansky

9:45 a.m.

Saline Induced Pd/Pa Ratio Can Predict Functional Significance of Coronary Stenosis Assessed by Fractional Flow Reserve

[Satoshi Hashimoto](#), Yoshiharu Fujimori, Kyohei Yamazaki, Kazuto Kurihara, Kenichiro Ebisuda, Yuya Terasawa, Tomoko Baba, Tadamas Wakabayashi, Taku Imai, Suwa Central Hospital, Chino, Japan

9:55 a.m.

Question and Answer

10:00 a.m.

Myocardial Infarction With Non-Obstructive Coronary Arteries (MINOCA)

According to Definitions of 2016 ESC Position Paper: Clinical Profile and Prognosis

[Barbara Izquierdo Coronel](#), Javier Lopez Pais, David Galan Gil, Maria Jesus Espinosa Pascual, Paula Awamleh, Carlos Gustavo Martínez Peredo, Alfonso Fraile Sanz, Javier Ceballo, Joaquin Alonso Martin, Hospital Universitario de Getafe, Madrid, Spain

10:10 a.m.

Question and Answer

10:15 a.m.

Glucagon-Like Peptide-1 (GLP-1) Has No Effect on Peripheral Vasodilatation But Augments Coronary Microcirculatory Flow in Humans

[Stephen P. Hoole](#), Sophie Clarke, Joel Giblett, Muhammad Aetesam-ur-Rahman, Tian Zhao, Nick West, Joseph Cheriyan, Papworth Hospital, Cambridge, United Kingdom, Cambridge University Hospital, Cambridge, United Kingdom

10:25 a.m.

Question and Answer

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1216M

#### Arrhythmias and Clinical EP: New Drugs, New Insights

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Kenneth A. Ellenbogen

ACC Poster Moderator: Andrew E. Epstein

9:45 a.m.

Relation of Stroke and Bleeding Risk Profiles to Efficacy and Safety of Dabigatran in Atrial Fibrillation After PCI: An Ancillary Analysis From the RE-DUAL PCI Trial

[Gregory Lip](#), Laura Mauri, Gilles Montalescot, Mick Ozkor, Panagiotis Vardas, Philippe Gabriel Steg, Deepak Bhatt, Stefan Hohnloser, Eva Kleine, Matias Nordaby, Takeshi Kimura, Jonas Oldgren, Jurrien Ten Berg, Christopher Cannon, University of Birmingham, Birmingham, United Kingdom

9:55 a.m.

Question and Answer

10:00 a.m.

Effectiveness and Safety of Apixaban, Dabigatran and Rivaroxaban Versus Warfarin in Frail Patients With Nonvalvular Atrial Fibrillation

[Craig I. Coleman](#), Alexander Turpie, Thomas J. Bunz, Nitesh Sood, University of Connecticut, Storrs, CT, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Triple Versus Double Oral Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention: A Meta-Analysis

[Jianjun Sun](#), Ying Dong, Yi Wang, Rui-Lian Ma, Affiliated Hospital of Inner Mongolia Medical University, Hohhot, People's Republic of China

10:25 a.m.

Question and Answer



### Congenital Heart Disease - Moderated Poster Contributions

#### Session #1221M

#### Heart Failure in Adult Congenital Heart Disease: A Never Ending Saga

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Christopher Learn

ACC Poster Moderator: Tabitha Grace Moe

9:45 a.m.

Heart Failure Hospitalization and Mortality in Adults With Congenital Heart Disease

Fei Wang, Aihua Liu, Liming Guo, Ariane Marelli, McGill University, Montreal, Canada

9:55 a.m.

Question and Answer

10:00 a.m.

Cardiac TGF $\beta$  Signaling Is Decreased in Patients With Hypertrophic Cardiomyopathy

Estibaliz Castillero, Catherine Wang, Adam Recht, Marcia Gailles, Karina Guaman, Michal Segall, Mathew Maurer, P. Christian Schulze, Hiroo Takayama, Paolo Colombo, Isaac George, College of Physicians and Surgeons of Columbia University, New York, NY, USA

10:10 a.m.

Question and Answer

10:15 a.m.

3D Printing For Preoperative Planning and Surgical Simulation of VAD Implantation in a Failing Right Systemic Ventricle

Jacob Miller, Joseph Billadello, Rachel Simon-Lee, Monica Sharma, Gautam Singh, Pamela Woodard, Pirooz Eghtesady, Shafkat Anwar, Washington University in St. Louis, St. Louis, MO, USA

10:25 a.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Moderated Poster Contributions

#### Session #1217M

#### New Approaches to Amyloid Cardiomyopathy

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Justin Lee Grodin

ACC Poster Moderator: Mark J. Zucker

9:45 a.m.

Inotersen Improves Quality of Life in Patients With Hereditary Transthyretin Amyloidosis With Polyneuropathy and Cardiomyopathy: Results of the Phase 3 Study NEURO-TTR

Mathew S. Maurer, Stephen Heitner, Brian Drachman, Carol Whelan, Spencer Guthrie, Li Tai, Steve G. Hughes, Brett P. Monia, Elizabeth J. Ackermann, Merrill D. Benson, Ionis Pharmaceuticals, Carlsbad, CA, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Prevalence and Predictors of TTR Cardiac Amyloidosis at a Nonreferral VA Center

Alberta L. Warner, Zunera Ghaznavi, Fariba Fazelli, Shadia Hamideh, Gholam R. Berenji, VA Greater Los Angeles, Los Angeles, CA, USA, UCLA, Los Angeles, CA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Potential Reversal of Transthyretin Amyloid Cardiomyopathy With TTR Specific Antisense Oligonucleotide Therapy

Noel Rakhi Dasgupta, Merrill D. Benson, Indiana University, Indianapolis, IN, USA

10:25 a.m.

Question and Answer

### Interventional Cardiology - Moderated Poster Contributions

#### Session #1219M

#### Novel Percutaneous Tricuspid Valve Repair Techniques

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Interventional Cardiology Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: D. Scott Lim

ACC Poster Moderator: Marc Sintek

9:45 a.m.

Acute and Short-Term Results of Transcatheter Treatment of Severe Tricuspid Regurgitation Using the Edge-to-Edge Repair System

Daniel Braun, Mathias Orban, Michael Nabauer, Andrea Englmaier, Thomas Stocker, Christian Hagl, Steffen Massberg, Joerg Hausleiter, Medizinische Klinik 1, Klinikum der Universität München, Munich, Germany

9:55 a.m.

Question and Answer

10:00 a.m.

30 Day Results of the SCOUT I Study in Patients With Severe Tricuspid Regurgitation (TR)

Christopher Meduri, Charles Davidson, Scott Lim, Tamim Nazif, Mark Ricciardi, Vivek Rajagopal, Gorav Ailawadi, Mani Vannan, James Thomas, Dale Fowler, Stuart Rich, Susheel K. Kodali, Rebecca T. Hahn, Columbia Presbyterian, New York, NY, USA, Piedmont Hospital, Atlanta, GA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Transcatheter Edge-to-Edge Repair For Severe Tricuspid Regurgitation Using the Triple Orifice Versus Bicuspidalization Technique

Daniel Braun, Mathias Orban, Michael Nabauer, Andrea Englmaier, Thomas Stocker, Hagl Christian, Steffen Massberg, Joerg Hausleiter, Medizinische Klinik und Poliklinik I, Klinikum der Universität München, Munich, Germany

10:25 a.m.

Question and Answer



### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)

#### Moderated Poster Contributions - Session #1220M

##### Non Invasive Multi-Modality Imaging

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Petros Nihoyannopoulos

ACC Poster Moderator: Lucy Safi

9:45 a.m.

Incremental Value of Right Ventricular Strain and 3D Echo Compared to Conventional Echo Approaches For Detection of Cardiac MRI (CMR)

Evidenced Right Ventricular Dysfunction in Ischemic Mitral Regurgitation

Javid Alakbarli, Farhan Raza, Tara Shah, Meridith P. Pollie, Athena Poppas, Richard B. Devereux, Jonathan W. Weinsaft, Jiwon Kim, Weill Cornell Medical College, New York, NY, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Comparison Between Three-Dimensional Echocardiography and Computed Tomography For Tricuspid Annulus Sizing: Implications For the Grading of Tricuspid Regurgitation Using the Quantitative Doppler Method

Fabien Praz, Omar Khalique, Leon Dos Reis Macedo, Jennifer Jantz, Codner Pablo, Amisha Patel, Juan Terre, Torsten Vahl, Vinayak Bapat, Isaac George, Tamim Nazif, Susheel K. Kodali, Martin B. Leon, Rebecca T. Hahn, Columbia University Medical Center/New York Presbyterian, New York, NY, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Strain Imaging Techniques to Predict Cardiac Resynchronization Therapy Response: A Head-to-Head Comparison of Cardiac Magnetic Resonance Myocardial Tagging, Feature Tracking and Speckle Tracking Echocardiography  
Alwin Zweerink, Wouter van Everdingen, Robin Nijveldt, Albert van Rossum, Odette A. E. Salden, Mathias Meine, Alexander Maass, Kevin Vernooy, Frederik de Lange, Pierre Croisille, Patrick Clarysse, Bastiaan Geelhoed, Michiel Rienstra, Isabelle Van Gelder, Marc Vos, Maarten Jan Cramer, Cornelis Allaart, VU University Medical Center, Amsterdam, The Netherlands, University Medical Centre Utrecht, Utrecht, The Netherlands

10:25 a.m.

Question and Answer

### Non-Certified Industry Events - Learning Destinations

#### Session #4206

##### PRALUENT® (alirocumab) Injection: Addressing the Unmet Need and Getting Patients to Goal

Sunday, March 11, 2018, 9:45 a.m. - 10:15 a.m.

Expo Hall 852-Innovation Stage

CME Hours: 0 /CNE Hours: 0

9:45 a.m.

PRALUENT® (alirocumab) Injection: Addressing the Unmet Need and Getting Patients to Goal

Norman E. Lepor  
Beverly Hills, CA

### Non-Certified Industry Events - Learning Destinations

#### Session #4004

##### Understanding Heart Failure From Bench to Bedside: The Role of Natriuretic Peptides

Sunday, March 11, 2018, 9:45 a.m. - 10:45 a.m.

Expo Hall 704-Indust. Experts1

CME Hours: 0 /CNE Hours: 0

9:45 a.m.

Understanding Heart Failure From Bench to Bedside: The Role of Natriuretic Peptides

John C. Burnett, JR  
Rochester, MN

10:15 a.m.

Understanding Heart Failure From Bench to Bedside: The Role of Natriuretic Peptides

James L. Januzzi  
Wellesley, MA

### Non-Certified Industry Events - Learning Destinations

#### Session #4012

##### Risk Considerations in Patients With CHD and PAD

Sunday, March 11, 2018, 9:45 a.m. - 10:45 a.m.

Expo Hall 729-Indust. Experts2

CME Hours: 0 /CNE Hours: 0

9:45 a.m.

Risk Considerations in Patients With CHD and PAD

Ron Waksman  
Washington, DC

### Non-Certified Industry Events - Learning Destinations

#### Session #4403

##### ACC.18 Innovation Challenge @ the Future Hub Theater (Part I)

Sunday, March 11, 2018, 9:45 a.m. - 10:45 a.m.

Expo Hall 3517-Future Hub

CME Hours: 0 /CNE Hours: 0

Moderator: Andrew M. Freeman

9:45 a.m.

ACC.18 Innovation Challenge: Digital Health

### Prevention - Moderated Poster Contributions

#### Session #1223M

##### New Insights Into Opportunities For Prevention of CVD Events

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Prevention Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Erin D. Michos

ACC Poster Moderator: Justin Sadhu

9:45 a.m.

A Highly Predictive Machine Learning Model to Identify Hospitalized Patients at Risk For 30-Day Readmission or Mortality

Zhaohui Su, Gregory Donadio, Tom Brecht, Francis O'Donovan, Costas Boussios, Vandana Menon, Rich Gliklich, OM1 Inc., Boston, MA, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Real-World Opportunity of Empagliflozin in Cardiovascular Risk Factor Modification: An NCDR® "Research-to-Practice" Project From the Diabetes Collaborative Registry (DCR)



Suzanne Arnold, Leo Seman, Fengming Tang, Darren McGuire, Sanjeev Mehta, Abhinav Goyal, Laurence Sperling, Mikhail Kosiborod, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

10:10 a.m.  
Question and Answer

10:15 a.m.  
Reducing Cardiovascular Risk in the Medicare Million Hearts Risk Reduction Model  
William Borden, Jingyan Wang, Philip Jones, Johanna Contreras, Stacie L. Daugherty, Nihar Desai, Steven A. Farmer, Salim Virani, Jason Wasfy, Thomas M. Maddox, George Washington University, Washington, DC, USA

10:25 a.m.  
Question and Answer

### Special - Moderated Poster Contributions Session #1218M

#### Innovation in Cardiovascular Medical Education

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Spotlight on Special Categories Moderated Poster Theater, Poster Hall, Hall A/B  
CME Hours: /CNE Hours:

ACC Poster Moderator: Kathryn L. Berlachar  
ACC Poster Moderator: Lisa A. Mendes

9:45 a.m.  
The Development and Efficacy of a Pediatric Cardiology Fellowship Online Preparatory Course  
Kara Motonaga, Loren Sacks, Inger Olson, Sowmya Balasubramanian, Sharon Chen, Lynn Peng, Jeffrey Feinstein, Norman Silverman, Frank Hanley, David Axelrod, Catherine Krawczeski, Scott Ceresnak, Stanford University, Palo Alto, CA, USA

9:55 a.m.  
Question and Answer

10:00 a.m.  
Choosing Cardiology: Career Choice and Gender Influence Professional Development Needs and Perceptions of the Cardiology Field Among Internal Medicine Trainees  
Pamela S. Douglas, Anne Rzeszut, C. Noel Bairey Merz, Claire Duvernoy, Sandra Lewis, Mary Walsh, Linda Gillam, on behalf of the ACC Task Force on Diversity and Women in Cardiology Section, Duke Clinical Research Institute, Durham, NC, USA, ACC, Washington, DC, USA

10:10 a.m.  
Question and Answer

10:15 a.m.  
Using Entrustable Professional Activities to Assess Graduation Readiness in Pediatric Cardiology  
Jeanne M. Baffa, Shubhika Srivastava, Lowell Frank, Alan Schwartz, Carol Carraccio, Bruce E. Herman, Richard Mink, for the Subspecialty Pediatrics Investigator Network, Nemours/A.I. duPont Hospital for Children, Wilmington, DE, USA

10:25 a.m.  
Question and Answer

### Special - Gaming

#### Session #6004

Engage @ACC.18 Studio: FIT Jeopardy Battle of the State Chapters III  
Sunday, March 11, 2018, 9:45 a.m. - 11:45 a.m.

Engage@ ACC.18 Studio, Hall A/B  
CME Hours: /CNE Hours:

9:45 a.m.  
Group 9: Iowa, Wisconsin, Kentucky, Canada

10:15 a.m.  
Semi-Finals: Winners From Groups 1-4

10:45 a.m.  
Semi-Finals: Winners From Groups 5-8

11:15 a.m.  
Semi-Finals: Winners From Group 9 and Runners- Up

### Valvular Heart Disease - Moderated Poster Contributions

#### Session #1222M

#### Surgical Treatment of Valvular Heart Disease: Improving Outcomes

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Vascular Medicine and Valvular Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B  
CME Hours: /CNE Hours:

ACC Poster Moderator: Zachary Gertz  
ACC Poster Moderator: Jonathan Passeri

9:45 a.m.  
Impact of Left Ventricular Ejection Fraction Between 50 and 60% Versus  $\geq 60\%$  on Mortality After Aortic Valve Replacement For Severe Aortic Stenosis  
Saki Ito, William Miranda, Jeremy Thaden, Vuyisile Nkomo, Heidi Connolly, Sorin Pislaru, Kevin Greason, Patricia Pellikka, Bradley Lewis, Jae Oh, Mayo Clinic, Rochester, MN, USA

9:55 a.m.  
Question and Answer

10:00 a.m.  
Surgical Outcomes For Asymptomatic Degenerative Mitral Regurgitation: Validation of Contemporary Guidelines  
Jonathan Tomasko, Patrick McCarthy, James Thomas, Jane Kruse, Adin-Cristian Andrei, Robert O. Bonow, Northwestern University Feinberg School of Medicine, Chicago, IL, USA, Northwestern Medicine, Chicago, IL, USA

10:10 a.m.  
Question and Answer

10:15 a.m.  
Impact of AVR on Survival of Patients With Low Flow, Low Gradient Aortic Stenosis  
Mohamed-Salah Annabi, Abdellaziz Dahou, Henrique Ribeiro, Ian Burwash, Josep Rodes-Cabau, Jutta Bergler-Klein, Ezequiel Guzzetti, Geraldine Ong, Maurice Enriquez-Sarano, Stefan Orwat, Florent Le Ven, Helmut Baumgartner, Julia Mascherbauer, Gerald Mundigler, Joao Cavalcante, Marie-Annick Clavel, Philippe Pibarot, Québec Heart and Lung Institute, Québec-City, Canada

10:25 a.m.  
Question and Answer





### Non-Certified Industry Events - Learning Destinations

#### Session #4318

#### She Said, He Said: Physician and Patient Awareness of Spontaneous Coronary Artery Dissection (SCAD)

Sunday, March 11, 2018, 10:00 a.m. - 10:30 a.m.

Expo Hall 3464-Patient Engage

CME Hours: 0/CNE Hours: 0

10:00 a.m.

She Said, He Said: Physician and Patient Awareness of Spontaneous Coronary Artery Dissection (SCAD)

Katherine K. Leon

Alexandria, VA

10:15 a.m.

She Said, He Said: Physician and Patient Awareness of Spontaneous Coronary Artery Dissection (SCAD)

Tina Pittman Wagers

Boulder, CO

### Non-Certified Industry Events - Learning Destinations

#### Session #4319

#### The Role of Heart Failure Nurses in Patient Outcomes

Sunday, March 11, 2018, 10:30 a.m. - 11:00 a.m.

Expo Hall 3464-Patient Engage

CME Hours: 0/CNE Hours: 0

10:30 a.m.

The Role of Heart Failure Nurses in Patient Outcomes

Lisa Rathman

Stevens, PA

### Acute and Stable Ischemic Heart Disease - Hands-on Skills Learning

#### Session #1523

#### Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform

Sunday, March 11, 2018, 10:45 a.m. - 11:45 a.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: /CNE Hours:

10:45 a.m.

Faculty

Laura Davidson

Chicago, IL

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #663

#### Evaluation of Low Risk Chest Pain in the Emergency

#### Department/Chest Pain Center

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 206 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: James K. McCord

Co-Chair: Michael Ross

Panelist: Ezra A. Amsterdam

Panelist: Allan Jaffe

Panelist: Michael C. Kontos

Panelist: Simon A. Mahler

Panelist: Rita F. Redberg

10:45 a.m.

Evaluating Chest Pain Using High-Sensitivity Troponin in the ED: Shotgun or Scalpel?

Allan Jaffe

Rochester, MN

10:55 a.m.

Panel Discussion With Audience Question and Answer

11:00 a.m.

Check the Scoreboard! HEART, TIMI, EDACS, Sanchis and Other Chest Pain Scores

Simon A. Mahler

Winston Salem, NC

11:10 a.m.

Panel Discussion With Audience Question and Answer

11:15 a.m.

Treadmill ECG In Evaluation of Low Risk Chest Pain: Past Its Prime, or Primed for Tomorrow?

Ezra A. Amsterdam

Sacramento, CA

11:25 a.m.

Panel Discussion With Audience Question and Answer

11:30 a.m.

CT or Not CT: Imaging in Low-Risk Chest Pain Patients

Rita F. Redberg

San Francisco, CA

11:40 a.m.

Panel Discussion With Audience Question and Answer

11:45 a.m.

Reducing Variations in Management: System-Level Approaches, Quality Measurement, and Accreditation

Michael C. Kontos

Glen Allen, VA

11:55 a.m.

Panel Discussion With Audience Question and Answer

12:00 p.m.

Triage THIS! Rapid-Fire Low-Risk Chest Pain Case Presentations With Panel and Audience Discussion

Tiberio M. Frisoli

Detroit, MI

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #664

#### Controversies in ACS Guidelines

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 205 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Glenn N. Levine

Co-Chair: Stephan Windecker

Panelist: Kevin R. Bainey

Panelist: Deepak L. Bhatt

Panelist: Anthony Gershlick

Panelist: Pinak Bipin Shah

10:45 a.m.

Trans-Atlantic Differences in ACS Guidelines

Kevin R. Bainey

Edmonton, Canada

10:53 a.m.

Panel Discussion With Question and Answer

11:03 a.m.

Radial vs. Femoral Access for ACS Patients



Pinak Bipin Shah  
Boston, MA

11:12 a.m.  
Panel Discussion With Question and Answer

11:22 a.m.  
Role of Cangrelor in ACS PCI  
Deepak L. Bhatt  
Newton, MA

11:30 a.m.  
Panel Discussion With Question and Answer

11:40 a.m.  
Management of Non Culprit Artery in STEMI  
Anthony Gershlick  
Leicester, United Kingdom

11:48 a.m.  
Panel Discussion With Question and Answer

11:58 a.m.  
DAPT Duration for ACS Patients  
Robert W. Yeh  
Boston, MA

12:06 p.m.  
Panel Discussion With Question and Answer

**Arrhythmias and Clinical EP - Scientific Session #662**  
**What Do the New Guidelines Say? Lessons for the Clinical Cardiologist**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 314 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Julia H. Indik  
Co-Chair: Fred M. Kusumoto  
Panelist: Ulrika Birgersdotter-Green  
Panelist: Hugh Calkins  
Panelist: Jose Joglar  
Panelist: Win-Kuang Shen

10:45 a.m.  
Case Presentation: My Patient Has Cardiac Sarcoid - Does She Need An ICD?  
Thomas C. Crawford  
Ann Arbor, MI

10:52 a.m.  
Panel Discussion With Question and Answer

11:07 a.m.  
Case Presentation: My Patient Is Obese, Does He Need to Lose Weight Before Considering Ablation?  
Jennifer M. Wright  
Madison, WI

11:14 a.m.  
Panel Discussion With Question and Answer

11:29 a.m.  
Case Presentation: My Patient With Syncope Has a Family History of Unexplained Death, What Next?  
Ciorsti MacIntyre  
Halifax, NS

11:36 a.m.  
Panel Discussion With Question and Answer

11:51 a.m.  
Case Presentation: My Pacemaker Dependent Patient Has a Non-Conditional ICD System, How Can She Have an MRI?  
Hyon-He Garza  
Tucson, AZ

11:58 a.m.  
Panel Discussion With Question and Answer

**Congenital Heart Disease - Scientific Session #665**  
**When Imaging Worlds Collide**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 208 C**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Andrew J. Powell  
Co-Chair: Ryan C. Van Woerkom

10:45 a.m.  
From 3D to 4D Rotational Angiography  
Gregor Krings  
Utrecht, Netherlands

10:55 a.m.  
Audience Question and Answer

11:00 a.m.  
How I Can Replace Hemodynamic Catheterization With MRI  
Michael Markl  
Chicago, IL

11:10 a.m.  
Audience Question and Answer

11:15 a.m.  
Echo Fusion with Fluoroscopy: Case Presentation  
Pei-Ni Jone  
Aurora, CO

11:25 a.m.  
Audience Question and Answer

11:30 a.m.  
Intraventricular Blood Flow Dynamics: Will It Impact Outcomes?  
Shubhika Srivastava  
New York, NY

11:40 a.m.  
Audience Question and Answer

11:45 a.m.  
Starting a 3D Printing Program on the Cheap  
Michael D. Seckeler  
Tucson, AZ

11:55 a.m.  
Audience Question and Answer

12:00 p.m.  
Holography in Congenital Heart Disease  
Elchanan Bruckheimer  
Petach Tikva, Israel



12:10 p.m.  
Audience Question and Answer

**Heart Failure and Cardiomyopathies - Hands-on Skills Learning Session #1524**  
**Hands-On Simulation Skills Training: Immersive Simulation Station . . . Guideline-directed Heart Failure Care Utilizing Full-body Manikin**  
**Sunday, March 11, 2018, 10:45 a.m. - 11:45 a.m.**  
**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

10:45 a.m.  
Faculty  
Jason Linefsky  
Decatur, GA

**Heart Failure and Cardiomyopathies - Hands-on Skills Learning Session #1525**  
**Hands-On Simulation Skills Training: Procedural Skill Station . . . Including Echocardiography and Right Heart Catheterization**  
**Sunday, March 11, 2018, 10:45 a.m. - 11:45 a.m.**  
**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

10:45 a.m.  
Faculty  
Ada C. Stefanescu Schmidt  
Boston, MA

**Heart Failure and Cardiomyopathies - Hands-on Skills Learning Session #1526**  
**Hands-On Simulation Skills Training: Shared Decision-making Simulation Station . . . Improve Your Patient Communication Techniques**  
**Sunday, March 11, 2018, 10:45 a.m. - 11:45 a.m.**  
**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

10:45 a.m.  
Faculty  
Erica Sarah Spatz  
New Haven, CT

**Heart Failure and Cardiomyopathies - Scientific Session #666**  
**International Clinical Trials in Heart Failure: Beyond Cultural Barriers; Joint Symposium of the Heart Failure Society of America and the American College of Cardiology**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 315 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

ACC Co-Chair: Randall C. Starling  
Co-Chair: Mary N. Walsh

10:45 a.m.  
Different Countries, Different Patients, Differing Outcomes  
Marc A. Pfeffer  
Boston, MA

11:00 a.m.  
Underrepresentation of Minorities and Women - Impact on Clinical Trials  
John J. V. McMurray  
Glasgow, Scotland, United Kingdom

11:15 a.m.  
**Controversies in Counting and Attributing Events in Clinical Trials**  
Javed Butler  
Stony Brook, NY

11:30 a.m.  
Generalizability and Implementation of Findings  
Marvin A. Konstam  
Boston, MA

11:45 a.m.  
International Trials in the Era of Precision Medicine  
Eugene Braunwald  
Boston, MA

12:00 p.m.  
Question and Answer

**Heart Failure and Cardiomyopathies - Scientific Session #667**  
**Impact of Evolving Health Care Reforms on Heart Failure Patients**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 312 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Keith D. Aaronson  
Co-Chair: Shashank S. Sinha  
Panelist: Srinath Adusumalli  
Panelist: Larry A. Allen  
Panelist: Biykem Bozkurt  
Panelist: Gregg C. Fonarow  
Panelist: Shashank S. Sinha

10:45 a.m.  
Economics of HF: Impact of Medicare Access and CHIP Reauthorization Act  
Srinath Adusumalli  
Philadelphia, PA

11:00 a.m.  
Competing Interests? Tackling Mortality Versus Readmissions in the Era of the Hospital Readmissions Reduction Program (HRRP)  
Larry A. Allen  
Aurora, CO

11:15 a.m.  
Impact of Medicare Accountable Care Organizations (ACOs) on Early and Late Heart Failure Episode Payments  
Shashank S. Sinha  
Ann Arbor, MI

11:30 a.m.  
Transitioning From Volume to Value-Based Care: Implications for the Heart Failure Provider  
Gregg C. Fonarow  
Los Angeles, CA

11:45 a.m.  
The Role of Advocacy in Heart Failure: Impact of the New Heart Failure Subspecialty Designation  
Biykem Bozkurt  
Houston, TX

12:00 p.m.  
The Role of Advocacy in Heart Failure: Impact of the New Heart Failure Subspecialty Designation  
Keith D. Aaronson  
Ann Arbor, MI



### Interventional Cardiology - Scientific

#### Session #670

#### Multivessel PCI: Debates, Decisions, and Tough Calls

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 203 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: J. Dawn Abbott

Co-Chair: Ahmed Shawky

Panelist: Lorraine L. Britting

Panelist: James C. Blankenship

Panelist: Ahmed Magdy

Panelist: Gilles Montalescot

10:45 a.m.

Multivessel PCI in 2018: Heart Team, AUC and Shared Decision Making

Suresh Mulukutla

Wexford, PA

10:55 a.m.

Debate: Complete Revascularization in Stable Ischemic Heart Disease Is a Must

10:55 a.m.

Yes: Outcomes Are Better With Complete Revascularization

Ran Kornowski

Petach-Tikva, Israel

11:05 a.m.

No: Some Lesions Can Be Left Behind Without Compromising Outcomes

Ajay J. Kirtane

New York, NY

11:15 a.m.

Panel Discussion With Audience Question and Answer

11:25 a.m.

MV PCI All at Once or Staged: How I Decide

Jeffrey W. Moses

New York, NY

11:30 a.m.

Panel Discussion With Audience Question and Answer

11:40 a.m.

Case Presentation: Use of Hemodynamics to Guide Multivessel PCI

William Fuller Fearon

Stanford, CA

Panel Discussion With Audience Question and Answer

11:45 a.m.

Case Presentation: Multivessel PCI With Hemodynamic Support

Joanna Ghobrial

Los Angeles, CA

11:50 a.m.

Panel Discussion With Audience Question and Answer

12:00 p.m.

Case Presentation: MV Case I Wish I Sent for CABG

Molly Szerlip

Plano, TX

12:05 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #671

#### TAVR in 2018: Changing the Landscape of Treatment Strategies for Aortic Stenosis

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 202 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Colin M. Barker

Co-Chair: Nicolas M. Van Mieghem

Panelist: Anita W. Asgar

Panelist: Suzanne Baron

Panelist: Amanda Kirby

Panelist: Ganesh Manoharan

Panelist: Tamim Nazif

10:45 a.m.

Minimalist TAVR in 2018: TAVR in the Awake Patient

Saif Anwaruddin

Philadelphia, PA

10:57 a.m.

Cerebral Embolic Protection and TAVR in 2018: In Whom, Where, and When?

Susheel K. Kodali

New York, NY

11:09 a.m.

Alternative Access in TAVR: How the Landscape Has Changed

James M. McCabe

Mercer Island, WA

11:21 a.m.

Are We Ready for Low Risk TAVR? A Surgeon's Perspective

Michael J. Reardon

Houston, TX

11:33 a.m.

Managing a Successful TAVR Program in 2018: Challenges and Pitfalls

Hemal Gada

Englewood, NJ

11:33 a.m.

The Evolution of TAVR From a High Risk Procedure to Standard of Care

Michael J. Mack

Plano, TX

11:33 a.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Core Curriculum

#### Session #808

#### Tough Revascularization Scenarios

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 207 A

CME Hours: 1.5 /CNE Hours: 1.5

Chair: Robert Jay Widmer

10:45 a.m.

Multivessel CAD: When PCI is the Better Option?

Timothy A. Mixon

Temple, TX

11:05 a.m.

CTO: When and How to Open the Occluded Vessel

Mauricio G. Cohen

Miami, FL





11:25 a.m.  
Mechanical Support for High Risk PCI: Clinical Cases of Success  
Simon R. Dixon  
Royal Oak, MI

11:46 a.m.  
Panel Discussion Moderator  
Robert Jay Widmer  
Rochester, MN

11:46 a.m.  
Panel Discussion With Question and Answer

### **Interventional Cardiology - Oral Contributions Session #905**

**The 2018 Top 6 Coronary Challenging Cases**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 204 C**  
**CME Hours: 1.5 /CNE Hours: 1.5**

ACC Co-Chair: Farouc Jaffer  
ACC Co-Chair: Stéphane Rinfret  
Panelist: Khaldoun Alaswad  
Panelist: Mitul Patel

10:45 a.m.  
Device Closure of Large Coronary Artery Fistula  
Dor Markush, Brian Boe, Kaitlin L'Italien, Steven Cassidy, Corey Stiver, Kan Hor, Darren Berman, Nationwide Children's Hospital, Columbus, OH, USA

10:55 a.m.  
Panel Discussion

11:00 a.m.  
When All Fails: The Value of an Exit Strategy  
Marwan Faris Jumean, Sana Shoukat, Sriram Nathan, Sachin Kumar, Igor Gregoric, Biswajit Kar, UTHealth McGovern Medical School, Houston, TX, USA

11:10 a.m.  
Panel Discussion

11:15 a.m.  
CTO PCI When Proximal Cap Cannot Be Visualized  
Tariq Hameed, Arasi Maran, Medical University of South Carolina, Charleston, SC, USA

11:25 a.m.  
Panel Discussion

11:30 a.m.  
Not Your Typical Chronic Total Occlusion  
Janarthanan Sathananthan, Douglas Ing, Toronto General Hospital, University Health Network, Toronto, Canada

11:40 a.m.  
Panel Discussion

11:45 a.m.  
Coronary Chronic Total Occlusions Caused by Remnant Leaflets After Aortic Valve Replacement  
Kathleen E. Kearney, William Lombardi, University of Washington Medical Center, Seattle, WA, USA

11:55 a.m.  
Panel Discussion

12:00 p.m.

Percutaneous Coronary Intervention For a Chronic Total Occlusion With Bifurcation at Distal Cap: The "Double Stingray" Technique  
Peter Tajti, Emmanouil Brilakis, Minneapolis Heart Institution, Abbott Northwestern Hospital, Minneapolis, MN, USA

12:10 p.m.  
Panel Discussion

### **Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Scientific - Session #668**

**The Great Debate: Should We Image Simply Because We Can?**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 311 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Prem Soman  
Co-Chair: James Udelson

10:45 a.m.  
Plaque Vulnerability: PRO  
Jagat Narula  
New York, NY

11:00 a.m.  
Plaque Vulnerability: CON  
Armin Arbab-Zadeh  
Baltimore, MD

11:15 a.m.  
Left Ventricular Dyssynchrony: PRO  
Ernest V. Garcia  
Atlanta, GA

11:30 a.m.  
Left Ventricular Dyssynchrony: CON  
Samir F. Saba  
Pittsburgh, PA

11:45 a.m.  
LVAD Assessment: Echo Is All I Need  
Marielle Scherrer-Crosbie  
Bala Cynwyd, PA

12:00 p.m.  
LVAD Assessment: Multimodality Is a Must  
Gaby Weissman  
Washington, DC

### **Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Scientific - Session #669**

**Cardiac Amyloidosis: The Right Test for the Right Patient**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 308 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: James C. Fang  
Co-Chair: Keyur B. Shah  
Panelist: Martha Grogan  
Panelist: Geoffrey Johnson  
Panelist: Rekha Mankad  
Panelist: Michael Salerno

10:45 a.m.  
Echocardiographic Characteristics of Cardiac Amyloidosis: Making the Diagnosis  
Rekha Mankad  
Rochester, MN



10:57 a.m.  
Question and Answer

11:03 a.m.  
Cardiac Amyloidosis: Utility of Cardiac MRI  
Michael Salerno  
Charlottesville, VA

11:15 a.m.  
Question and Answer

11:21 a.m.  
Subtyping Cardiac Amyloidosis: The Role of Nuclear Imaging  
Geoffrey Johnson  
Rochester, MN

11:33 a.m.  
Question and Answer

11:40 a.m.  
Beyond Imaging: Novel Approaches to the Diagnosis and Management of Patients With Cardiac Amyloidosis  
Martha Grogan  
Rochester, MN

11:52 a.m.  
Question and Answer

11:58 a.m.  
Panel Discussion

**Prevention - Scientific  
Session #673**  
**There's No Sugar Coating the New Reality: Changing the Paradigm for CVD Risk Reduction in T2DM**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 308 C**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Robert H. Eckel  
Co-Chair: Melissa Magwire  
Panelist: Mikhail Kosiborod  
Panelist: Jorge Plutzky  
Panelist: Benjamin M. Scirica  
Panelist: Laurence Sperling

10:45 a.m.  
Setting the Stage: The Coming Paradigm Shift From Glycemic Control to CVD Risk Reduction  
Mikhail Kosiborod  
Leawood, KS

11:00 a.m.  
Recent Breakthrough Cardiovascular Outcomes Trials in T2DM  
Benjamin M. Scirica  
Boston, MA

11:15 a.m.  
Utilizing Anti-Diabetic Agents to Manage CVD Risk in T2DM  
Jorge Plutzky  
Boston, MA

11:30 a.m.  
The Evolving Role of the CV Clinician in Management of CVD Risk in T2DM  
Laurence Sperling  
Atlanta, GA

11:45 a.m.  
Panel Discussion With Audience Question and Answer

**Pulmonary Hypertension and Venous Thrombo-embolic Disease - Scientific  
Session #672**  
**Great Debates in Pulmonary Hypertension**  
**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 304 E**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Kristen Pogue  
Co-Chair: John J. Ryan

10:45 a.m.  
The Six Minute Walk Test Remains an Adequate Primary Outcome for Clinical Trials in PAH (Pro)  
Ashwin Ravichandran  
Carmel, IN

10:57 a.m.  
The Six Minute Walk Test Remains an Adequate Primary Outcome for Clinical Trials in PAH (Con)  
Jamie Kennedy  
Charlottesville, VA

11:09 a.m.  
Audience Poll and Questions

11:15 a.m.  
The Hemodynamic Criteria for Diagnosing Group 1 PH Are Wrong - The Criteria for Wedge and Mean PA Pressures Are Too High (Pro)  
Bradley A. B. Maron  
Boston, MA

11:27 a.m.  
The Hemodynamic Criteria for Diagnosing Group 1 PH Are Wrong - The Criteria for Wedge and Mean PA Pressures Are Too High (Con)  
Anjali Vaidya  
Philadelphia, PA

11:39 a.m.  
Audience Poll and Questions

11:45 a.m.  
It's Time to Treat Pulmonary Hypertension Secondary to Heart Failure With Pulmonary Vasodilator Therapy (Pro)  
Margaret M. Redfield  
Rochester, MN

11:57 a.m.  
It's Time to Treat Pulmonary Hypertension Secondary to Heart Failure With Pulmonary Vasodilator Therapy (Con)  
John J. Ryan  
Salt Lake City, UT

12:09 p.m.  
Audience Poll and Questions



### Special - Late-Breaking Clinical Trials

#### Session #405

#### Late-Breaking Clinical Trials

**Sunday, March 11, 2018, 10:45 a.m. - 11:45 a.m.**

**Main Tent, Hall C**

**CME Hours: /CNE Hours:**

Chair: Christopher M. O'Connor

Co-Chair: Biykem Bozkurt

Panelist: Ana Barac

Panelist: Lee R. Goldberg

Panelist: Robert A. Guyton

Panelist: Ileana L. Pina

Panelist: Joseph G. Rogers

10:45 a.m.

Multicenter Study of MagLev Technology in Patients Undergoing Mechanical Circulatory Support Therapy with HeartMate 3 (MOMENTUM 3) - Long Term Outcomes

Mandeep R. Mehra, Brigham and Women's Hospital Heart and Vascular Center, Boston, MA, USA

10:55 a.m.

Panel Discussion

11:00 a.m.

Inorganic Nitrite Delivery to Improve Exercise Capacity in Heart Failure with Preserved Ejection Fraction: The INDIE Trial

Barry Borlaug, Kevin Anstrom, Gregory Lewis, Sanjiv Shah, G. Michael Felker, Douglas L. Mann, Martin LeWinter, Kenneth Margulies, David Whellan, Andrew Smith, Wai Hong Tang, Horng Chen, Steven McNulty, Patrice Desvigne-Nickens, Adrian Hernandez, Eugene Braunwald, Margaret Redfield, Mayo Clinic, Rochester, MN, USA

11:10 a.m.

Panel Discussion

11:15 a.m.

Carvedilol for Prevention of Chemotherapy-Induced Cardiotoxicity - Results of the Prospective, Randomized, Double Blind, Placebo-Controlled Ceccy Trial.

Monica Avila, Silvia Ferreira, Fatima das Dores Cruz, Sara Michelly Goncalves Brandao, Vagner Oliveira Carvalho Rigaud, Ludhmila Abraao Hajjar, Roberto Kalil, Mauro Rogério De Barros Wanderley Junior, Marcio Bittencourt, Edimar Alcides Bocchi, Heart Institute (InCor) Hospital das Clinicas da Faculdade de Medicina da Universidade de São Paulo, São Paulo, Brazil, Cancer Institute (ICESP), São Paulo, Brazil

11:25 a.m.

Panel Discussion

11:30 a.m.

Lisinopril or Carvedilol for Prevention of Trastuzumab Induced Cardiotoxicity  
Maya E. Guglin, Jeffrey Krischer, Roy Tamura, Angelina Fink, Lauren Bello, Pamela Munster, University of Kentucky, Lexington, KY, USA, University of South Florida, Tampa, FL, USA

11:40 a.m.

Panel Discussion

### Special - Symposium

#### Session #107

#### Cardiovascular Update for the Clinician II: Chronic Coronary and Systemic Disease (A Symposium by Valentin Fuster)

**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**

**Room 311 E**

**CME Hours: 1.5 /CNE Hours: 1.5**

Chair: Valentin Fuster

Panelist: Michael E. Farkouh

Panelist: Valentin Fuster

Panelist: Patrick T. O'Gara

Panelist: Sidney C. Smith, Jr

10:45 a.m.

Complex CAD - Interventional vs Optimal Medical Therapy (OMT) Anatomy (SYNTAX), Ischemic (FFR/iFR), Microcirculation (PET, CT, MR)

Valentin Fuster

New York, NY

11:05 a.m.

Lipid Evaluation & Management - Targets and 4 Evolving Advances Familial LDL-C, ApoB, HDL Efflux Capacity & PCSK9 Inhibitors

Sidney C. Smith, JR

Chapel Hill, NC

11:25 a.m.

Hypertension (HBP) -The 3Challenges Identify Those with HBP, Amount of Salt and Personalize BP Target

Patrick T. O'Gara

Boston, MA

11:45 a.m.

Diabetes(D) and Obesity(O) - The 4 "Hot" Spots Etiology(D), New Agents(D), Weight(O) / AF, Bariatric Surgery (O,D)

Michael E. Farkouh

Toronto, Canada

12:05 p.m.

Panel Discussion

### Special - Scientific

#### Session #674

**I**

**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**

**Room 312 C**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Herbert D. Aronow

Co-Chair: Aaron P. Kithcart

10:45 a.m.

Harnessing Social Media for Research: How to Engage Subjects and Sites

Mary M. McDermott

Chicago, IL

11:00 a.m.

Friends, Followers, Connections: Using Social Networking for Career Development

Gina Price Lundberg

Marietta, GA

11:15 a.m.

Your Reach Should Exceed Your Grasp: Leveraging Social Media for Patient Education

Deborah S. Croy

Princeton, WV



11:30 a.m.

Learning Without Borders: How I Started a Virtual Journal Club

Jeannie Hyunju Yu

Newport Coast, CA

11:45 a.m.

My Twitter Was Hacked: Stop Making Excuses and Avoid Social Media Pitfalls

Herbert D. Aronow

Providence, RI

12:00 p.m.

Panel Discussion With Audience Question and Answer

### Special - Special

#### Session #675

#### Achieving the Quadruple Aim in Healthcare

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 209 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Pamela S. Douglas

Co-Chair: Kim Allan Williams, Sr

10:45 a.m.

Moving From the Triple Aim to the Quadruple Aim - What Is the Fourth Aim and Why Is It Critical for Our Future?

Richard A. Chazal

Fort Myers, FL

10:56 a.m.

Achieving the Quadruple Aim Requires Attracting Talent to Cardiology:

Current Gaps and Solutions

Robert A. Harrington

Stanford, CA

11:07 a.m.

Population Health: The Critical Role of Diversity in Achieving Health Equity

Clyde W. Yancy

Chicago, IL

11:18 a.m.

Improving Provider Work Life: Lessons for 20 Years of ACC Professional Life Surveys

Emelia J. Benjamin

Framingham, MA

11:29 a.m.

Building the Team: The Critical Role of Program Directors

Quinn Capers, IV

Columbus, OH

11:40 a.m.

Professional Society Solutions: ACC

Pamela S. Douglas

Durham, NC

11:51 a.m.

Professional Society Solutions: ESC

Barbara Casadei

Oxford, United Kingdom

12:02 p.m.

Question and Answer

### Valvular Heart Disease - International

#### Session #516

#### Structural Heart Disease: Recognition to Repair: International Perspectives from the ACC Argentina Chapter, Spanish Society of Cardiology, and American College of Cardiology

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 304 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Francesco Fedele

Co-Chair: Manuel Pablo Anguita Sanchez

Co-Chair: Nestor Vita

10:45 a.m.

Introduction to Session

Francesco Fedele

Viale del Policlinico, Italy

10:50 a.m.

New Evidences in Acute Aortic Syndromes: Changing Paradigms

Artur Evangelista Masip

Barcelona, Spain

11:01 a.m.

Predictors of Ascending Aorta Dilation in Bicuspid Aortic Valve

Jose Rodriguez-Palomares

Barcelona, Spain

11:23 a.m.

Low-flow, Low-gradient With Preserved Ejection Fraction: The Paradox From Diagnosis to Treatment

Alejandro Hita

Caba, Argentina

11:34 a.m.

Bioprosthesis in SAVR and TAVR: Simple Solution or a New Challenge?

Ricardo Ronderos

La Plata, Argentina

11:45 a.m.

Discussion

### Valvular Heart Disease - Scientific

#### Session #676

#### Making Sense of Mitral Valve Disease: Evolving Practices

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 307 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Michael A. Acker

Co-Chair: Scott M. Lilly

Panelist: Michael A. Acker

Panelist: Blase A. Carabello

Panelist: Linda D. Gillam

Panelist: Adam B. Greenbaum

Panelist: Mayra E. Guerrero

10:45 a.m.

A Case Study in Mitral Valve Disease: Mixed Etiology Mitral Regurgitation

Margaret Park

Brooklyn, OH

10:50 a.m.

Mitral Valve Regurgitation: The Fundamentals and Complexities of Anatomic Classification

Linda D. Gillam

Morristown, NJ



11:00 a.m.

The Heterogeneity of Mitral Regurgitation: Presentation to Outcomes

Blase A. Carabello

Greenville, NC

11:10 a.m.

Panel Discussion

11:20 a.m.

Case: Functional Mitral Regurgitation

Torsten Peter Vahl, III

New York, NY

11:25 a.m.

Individualizing Therapies for Mitral Regurgitation

Michael A. Acker

Philadelphia, PA

11:35 a.m.

Panel Discussion

11:45 a.m.

The Spectrum of Mitral Stenosis: Not Just Rheumatic Disease

Saibal Kar

Los Angeles, CA

11:55 a.m.

Thinking Out of the Box: Transcatheter Therapies for Degenerative Mitral Stenosis

Mayra E. Guerrero

Evanston, IL

12:05 p.m.

Panel Discussion

### Vascular Medicine - Scientific

#### Session #677

**Vasculo-Oncology: What You Really Need To Know About Vascular and Thrombotic Complications of Cancer and Cancer Therapeutics and the Douglas P. Zipes, MD, MACC, Distinguished Young Scientist Awardee Presentation**

**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**

**Room 307 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Javid Moslehi

Co-Chair: Gregory Piazza

10:45 a.m.

Introduction of the Douglas P. Zipes Distinguished Young Scientist Recipient

Douglas P. Zipes

Carmel, IN

10:50 a.m.

Douglas P. Zipes, MD, MACC, Distinguished Young Scientist Presentation:

Kidney Disease and The Heart: Is suPAR the Missing Link?

Salim Hayek

Atlanta, GA

11:10 a.m.

What Cancer and Cancer Therapeutics Can Do to Your Blood Vessels: Biological Mechanisms and Is There a Role for Precision Medicine?

Javid Moslehi

Nashville, TN

11:18 a.m.

What Is New in the Management of Radiation Induced Vascular Disease

John D. Groarke

Boston, MA

11:27 a.m.

Panel Discussion #1: A.) How to Set up a Vasculo-Oncology Practice or Program; B.) Clinical Management of Patients With Acute Ischemia Caused by Cancer Therapeutics; C.) Management of Uncontrolled HTN

11:27 a.m.

Panelist: Panel Discussion #1

Marc P. Bonaca

Boston, MA

11:27 a.m.

Panelist: Panel Discussion #1

Jean-Bernard Durand

Houston, TX

11:27 a.m.

Panelist: Panel Discussion #1

Javid Moslehi

Nashville, TN

11:27 a.m.

Panelist - Panel Discussion #1

Gregory Piazza

Boston, MA

11:27 a.m.

Case Presentation: The Cancer Patient With Acute Limb Ischemia

Salim Hayek

Atlanta, GA

11:30 a.m.

Case Presentation: The Cancer Patient With Uncontrolled Hypertension

Ben Kenigsberg

Washington, DC

11:43 a.m.

Pre-post ARS Questions (Panel Discussion #2)

Javid Moslehi

Nashville, TN

11:44 a.m.

Panel Discussion/Case Review #2: Controversies in Management of Thromboses in the Cancer Patient: A.) Can We Now Use DOACs? B.) The Thrombocytopenic Patient, C.) The Cancer Patient With Subsegmental PE

11:44 a.m.

Panelist: Panel Discussion #2

Geoffrey D. Barnes

Ann Arbor, MI

11:44 a.m.

Panelist: Panel Discussion #2

Teresa Carman

Cleveland, OH

11:44 a.m.

Panelist: Panel Discussion #2

Joe F. Lau

Manhasset, NY

11:44 a.m.

Case Presentation: The Cancer Patient With Catheter-Induced Thrombosis





Ji Can Yang  
New York, NY

11:47 a.m.  
Case Presentation: The Cancer Patient With VTE and Thrombocytopenia  
Sarju Ganatra  
Burlington, MA

11:50 a.m.  
Case Presentation: The Cancer Patient With VTE With Subsegmental PE  
Brett Carroll  
Boston, MA

12:00 p.m.  
Pre-post ARS Questions (Panel Discussion #2)  
Javid Moslehi  
Nashville, TN

12:01 p.m.  
New Approaches in the Management of Lymphedema in the Cancer Patient  
Steven M. Dean  
Columbus, OH

12:08 p.m.  
Vascular Complications in Oncology Trials: Finding the Signal  
Marc P. Bonaca  
Boston, MA

**Non-Certified Industry Events - Learning Destinations**  
**Session #4307**  
**Why Patients Need a Voice in their Care**  
**Sunday, March 11, 2018, 11:00 a.m. - 11:30 a.m.**  
**Expo Hall 3464-Patient Engage**  
**CME Hours: 0 /CNE Hours: 0**

11:00 a.m.  
Why Patients Need a Voice in their Care  
Trudie Lobban  
Stratford Upon Avon, United Kingdom

11:15 a.m.  
Why Patients Need a Voice in their Care  
James Dismond  
Head Island, SC

**Non-Certified Industry Events - Learning Destinations**  
**Session #4308**  
**A Solution for Patients: A Demonstration of the CREATION program from Florida Hospital Cardiac Rehab**  
**Sunday, March 11, 2018, 12:00 p.m. - 1:00 p.m.**  
**Expo Hall 3464-Patient Engage**  
**CME Hours: 0 /CNE Hours: 0**

12:00 p.m.  
A Solution for Patients: A Demonstration of the CREATION program from Florida Hospital Cardiac Rehab  
Ashleigh Funk  
Winter Garden, FL

12:15 p.m.  
A Solution for Patients: A Demonstration of the CREATION program from Florida Hospital Cardiac Rehab  
TraMi Nguyen Willey  
Orlando, FL

12:30 p.m.

A Solution for Patients: A Demonstration of the CREATION program from Florida Hospital Cardiac Rehab  
Deborah Moore  
Orlando, FL

12:45 p.m.  
A Solution for Patients: A Demonstration of the CREATION program from Florida Hospital Cardiac Rehab  
Kendra Lester  
Orlando, FL

**Special - Heart-to-Heart Stage**  
**Session #6504**  
**Impact of Social Media on Cardiovascular Practice**  
**Sunday, March 11, 2018, 12:00 p.m. - 12:30 p.m.**  
**Heart to Heart Stage: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

12:00 p.m.  
Impact of Social Media on Cardiovascular Practice  
Kevin R. Campbell  
Raleigh, NC

**Special - Events and Meetings**  
**Session #5014**  
**Federal Cardiology Section Meeting**  
**Sunday, March 11, 2018, 12:00 p.m. - 2:00 p.m.**  
**Hyatt Regency Orlando, Plaza International Ballroom I**  
**CME Hours: /CNE Hours:**

12:00 p.m.  
Federal Cardiology Section Meeting

**Special - Special**  
**Session #6005**  
**Engage @ACC.18 Studio: Creating Your Magic -- Life Beyond Cardiology**  
**Sunday, March 11, 2018, 12:15 p.m. - 1:15 p.m.**  
**Engage@ ACC.18 Studio, Hall A/B**  
**CME Hours: 0 /CNE Hours: 0**

Co-Chair: Douglas P. Zipes  
Co-Chair: George W. Vetrovec

12:15 p.m.  
The Next Chapter: Writing Thrillers  
Douglas P. Zipes  
Carmel, IN

12:20 p.m.  
Teaching and Mentoring: Expanding Your Reach After Retirement  
Michael H. Crawford  
San Francisco, CA

12:25 p.m.  
Nuclear Imaging to Nature Photography: Uncovering Your Talents  
George A. Beller  
Charlottesville, VA

12:30 p.m.  
Life as a Guitar-iologist  
Suzanne Brown Sacks  
Nashville, TN

12:35 p.m.  
Panel Discussion With Audience Question and Answer



### Acute and Stable Ischemic Heart Disease - Scientific Session #679

#### The Athlete With Ischemic Heart Disease: What Do I Do Now?

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 206 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Michael Scott Emery

Co-Chair: Jonathan H. Kim

Panelist: Matthew W. Martinez

Panelist: Silvana Molossi

Panelist: Paul Thompson

Panelist: Meagan Murphy Wasfy

12:30 p.m.

Incidentally Discovered Anomalous Coronary Arteries in an Athlete

Allison R. Zielinski

Chicago, IL

12:35 p.m.

Panel Discussion With Audience Question and Answer

12:45 p.m.

Cardiac Arrest in a Young Female Athlete

Kelly Wingerter

Ringgold, GA

12:50 p.m.

Panel Discussion With Audience Question and Answer

1:00 p.m.

Endurance Athlete With Chest Pain and an Abnormal ECG

Tamanna Singh

Boston, MA

1:05 p.m.

Panel Discussion With Audience Question and Answer

1:15 p.m.

Cardiac Arrest in a Runner With a History of CABG

Jonathan H. Kim

Atlanta, GA

1:20 p.m.

Panel Discussion With Audience Question and Answer

1:30 p.m.

Patient Engagement and Shared Decision Making: What to Do When the

Data Isn't Class IA

Aaron L. Baggish

Boston, MA

1:40 p.m.

Panel Discussion With Audience Question and Answer

### Acute and Stable Ischemic Heart Disease - Moderated Poster Contributions

Session #1233M

#### STEMI Care: Rigs, Risks and... Rigged?

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater,

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Sahil Khara

ACC Poster Moderator: Grant W. Reed

12:30 p.m.

Utilizations of Emergency Medical Services by Patients With ST-Segments

Elevation Acute Myocardial Infarction in China: Findings From China

Myocardial Infarction (CAMI) Registry

Jingang Yang, Haiyan Xu, Wei Li, Xiaojin Gao, Yuejin Yang, on behalf of China

Acute Myocardial Infarction Registry, Fuwai Hospital, CAMS & PUMC, Beijing,

People's Republic of China

12:40 p.m.

Question and Answer

12:45 p.m.

Temporal Outcomes in STEMI: Heart Failure and Mortality

Michael Raco, Kevin Baine, Anamaria Savu, Cynthia Westerhout, Justin

Ezekowitz, Robert Welsh, Finlay McAlister, Padma Kaul, University of Alberta,

Edmonton, Canada

12:55 p.m.

Question and Answer

1:00 p.m.

A Clinically Useful Model to Predict 90-Day Readmission Risk After

Hospitalization For Acute Myocardial Infarction

Vinay Kini, Pamela Peterson, John Spertus, Kevin Kennedy, Jason Wasfy,

Suzanne Arnold, Steven Bradley, Michael Ho, Jephtha Curtis, Amit Amin,

Frederick A. Masoudi, University of Colorado Anschutz Medical Campus,

Aurora, CO, USA, St. Luke's Mid America Heart Institute, Kansas City, MO, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Contemporary Incidence of Recurrent Cardiovascular Events 1 to 3 Years

After Myocardial Infarction: Longitudinal US Analysis From NCDR Registries

Linked With All-Payer Claims Database

John Spertus, Durgesh Bhandary, Eileen Fonseca, Narinder Bhalla,

Massimiliano Alfonzo Manzi, Greta Hoetzer, Amit Amin, Naeem Khan,

AstraZeneca, Wilmington, DE, USA, Saint Luke's Mid America Heart Institute,

Kansas City, MO, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Do-Not-Resuscitate Status and Risk-Standardized Mortality For Acute

Myocardial Infarction: Implications For Public Reporting and Reimbursement

Jeffrey Bruckel, Brahmajee Nallamothu, Frederick Ling, Erik Howell, Charles

Lowenstein, Sabu Thomas, Steven Bradley, Anuj Mehta, Allan Walkey,

University of Rochester Medical Center, Rochester, NY, USA

1:40 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Scientific Session #678

#### Arrhythmia and Genes: We Got the Beat!

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 314 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Aarti Dalal

Co-Chair: Dan Sorajja

Panelist: Marwan Refaat

Panelist: Nancy Berg

Panelist: Paul D. Varosy



12:30 p.m.

Case Presentation: FIT/EF A 22 Year Old With LQT and Syncope

Logan Vincent

Seattle, WA

12:35 p.m.

Panel Discussion With Question and Answer

12:48 p.m.

Case Presentation: A 28 Y/O With HCM and Abnormal Genetic Testing

Hyon Jae Lee

Branford, CT

12:53 p.m.

Panel Discussion With Question and Answer

1:06 p.m.

Case Presentation: A 74 Year Old With Medication Proarrhythmia

Mohit Turagam

New York, NY

1:11 p.m.

Panel Discussion With Question and Answer

1:24 p.m.

Translational Talk: How Genetic Information Is Impacting Care for Inherited Arrhythmia Syndromes

Mina K. Chung

Cleveland, OH

### **Arrhythmias and Clinical EP - Moderated Poster Contributions Session #1225M**

#### **What Have We Learned About New Anticoagulants?**

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall,  
Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Santosh Padala

ACC Poster Moderator: Sherry J. Saxonhouse

12:30 p.m.

10-Year Trends in Catheter Ablation of Ischemic and Non-Ischemic Ventricular Tachycardia

Brad Sutton, Kristin Nosova, University of Louisville School of Medicine, Louisville, KY, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Safety of Rhythm Control and Cardioversion For Patients With Recurrent Symptomatic Atrial Fibrillation in the Absence of Anticoagulation Following Percutaneous Left Atrial Appendage Occlusion

Rajan Shah, Waleed Al-Darzi, Adam Greenbaum, Marvin Eng, Dee Dee Wang, Joshua Greenberg, Marc Lahiri, Arfaat Khan, William W. O'Neill, Claudio Schuger, Gurjit Singh, Henry Ford Heart & Vascular Institute, Detroit, MI, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Evaluation of Novel Risk Score For Refining Stroke Risk in "Low-Risk" Atrial Fibrillation Patients With CHA2DS2-VASc Score of 0 and 1

Yoav Arnson, Moshe Hoshen, Adi Berliner Senderey, Orna Reges, Ran Balicer, Morton Leibowitz, Meytal Avgil Tsadok, Moti Haim, Clalit Research Institute, Tel Aviv, Israel, Meir Medical Center, Kfar Saba, Israel

1:10 p.m.

Question and Answer

1:15 p.m.

The Efficacy and Safety of Apixaban Versus Warfarin Are Preserved in Patients With Atrial Fibrillation and Extremely High Body Weight: Insights From the ARISTOTLE Study

Marat Fudim, Renato Lopes, John Alexander, Daniel Wojdyla, Justin Ezekowitz, Michael Hanna, Dan Atar, Ziad Hijazi, Maria Bahit, Jose Lopez-Sendon, Lars Wallentin, Christopher Granger, Stefan Hohnloser, Duke Clinical Research Institute, Durham, NC, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Safety and Efficacy of Concomitantly Used Direct Oral Anticoagulant and Amiodarone in Patients With Non-Valvular Atrial Fibrillation: A Meta-Analysis of Prospective Randomized Clinical Trials

Bradley Peltzer, Florentino Lupercio, Jorge Romero, Carola Maraboto Gonzalez, David Briceno, Pedro Villablanca, Kevin Ferrick, Jay Gross, Soo Gyum Kim, John D. Fisher, Luigi Di Biase, Andrew Krumerman, Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY, USA

1:40 p.m.

Question and Answer

### **Congenital Heart Disease - Scientific Session #680**

#### **Building for the Future: Developing the ACHD Program**

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 208 C**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: David Drajpuch

Co-Chair: Ada C. Stefanescu Schmidt

12:30 p.m.

ACC-Talk: Minding the Gap - The Importance of Teaching Patients and Caregivers How to Transition

Sangeeta B. Shah

Harvey, LA

12:40 p.m.

Navigating ACHD Fellowship

Georges Ephrem

Toronto, Canada

12:50 p.m.

Building ACHD Care in the Community

Todd Roth

Hollywood, FL

1:02 p.m.

ACC-Talk: Research Is the Foundation of a Successful ACHD Program

Paul Khairy

Montreal, Canada

1:12 p.m.

Collaboration Across Specialties: Cardiovascular Disease in Pregnancy - Why Do ACHD Doctors Become the Experts?

Mette-Elise Estensen

Oslo, Norway

1:24 p.m.

Panel Discussion With Audience Question and Answer



### Congenital Heart Disease - Moderated Poster Contributions

#### Session #1230M

##### Atrial Septal Defects: Not Simple at All

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

**Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Daphne T. Hsu

ACC Poster Moderator: Juan Villafane

12:30 p.m.

Trends in Transcatheter and Surgical Repair of Secundum Atrial Septal Defect: Insights From a National Database

Arka Chatterjee, Manyoo Agarwal, Nirmanmoh Bhatia, Neal J. Miller, Anderson S. Marshall, Massoud Leesar, Marc Cribbs, Mark Law, University of Alabama at Birmingham, Birmingham, AL, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Right Ventricular Myocardial Deformation Changes Post Transcatheter Closure of ASD

Ahmed Kheiwia, Anushree Agarwal, Shabir Sarwary, Pooja Sethi, Vaikom Mahadevan, University of California San Francisco, San Francisco, CA, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Percutaneous Atrial Septal Defects Closure in Adults: Double Versus Single Device Closure of Secundum Defects - A Meta-Analysis and Systematic Review

Ali Abdul Jabbar, Mohammad Jaradat, Mohanad Hasan, Ji Yoo, Ivory Crittendon, Victor Lucas, Tyrone Collins, Ochsner Clinic Foundation, New Orleans, LA, USA, University of Nevada School of Medicine, Las Vegas, NV, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Clinical Benefit of Transcatheter Closure For Newly Developed Atrial Fibrillation in Adult Patients With Atrial Septal Defect

Teiji Akagi, Yasuhiro Fujii, Yoichi Takaya, Sho Takahashi, Koji Nakagawa, Shingo Kasahara, Hiroshi Ito, Okayama University, Okayama, Japan

1:25 p.m.

Question and Answer

1:30 p.m.

Echocardiographic Surveillance After Catheter Mediated Secundum Atrial Septal Defect Repair Is More Intense Than After Surgical Repair

Vijay Menon, Christopher Curzon, Jeffrey Delaney, Mary Craft, Collin Erickson, David Danford, Shelby Kutty, University of Nebraska Medical Center, Omaha, NE, USA, Childrens' Hospital and Medical Center, Omaha, NE, USA

1:40 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1527

**Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform**

Sunday, March 11, 2018, 12:30 p.m. - 1:30 p.m.

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**

**CME Hours: /CNE Hours:**

12:30 p.m.

Faculty

Michael T. Spooner

Norfolk, VA

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1528

**Hands-On Simulation Skills Training: Immersive Simulation Station . . . Guideline-directed Heart Failure Care Utilizing Full-body Manikin**

Sunday, March 11, 2018, 12:30 p.m. - 1:30 p.m.

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**

**CME Hours: /CNE Hours:**

12:30 p.m.

Faculty

Hampton Crimm

Bethesda, MD

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1529

**Hands-On Simulation Skills Training: Procedural Skill Station . . . Including Echocardiography and Right Heart Catheterization**

Sunday, March 11, 2018, 12:30 p.m. - 1:30 p.m.

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**

**CME Hours: /CNE Hours:**

12:30 p.m.

Faculty

Ankur Kalra

Cleveland, OH

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1530

**Hands-On Simulation Skills Training: Shared Decision-making Simulation Station . . . Improve Your Patient Communication Techniques**

Sunday, March 11, 2018, 12:30 p.m. - 1:30 p.m.

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**

**CME Hours: /CNE Hours:**

12:30 p.m.

Faculty

Rachel J. Lampert

New Haven, CT

### Heart Failure and Cardiomyopathies - International

#### Session #517

**The Emerging Threat of Heart Failure in Asia: International Perspectives from the Japanese College of Cardiology, Thai Heart Association, and American College of Cardiology**

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

**Room 304 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Mary N. Walsh

Co-Chair: Hiroaki Kitaoka

Co-Chair: Taworn Suithichaiyakul

12:30 p.m.

Introduction to Session



Mary N. Walsh  
Indianapolis, IN

12:35 p.m.  
Heart Failure in the Asia-Pacific Region: An Emerging Threat  
Rungroj Kittayaphong  
Bangkok, Thailand

12:47 p.m.  
Genotype and Phenotype of Hypertrophic Cardiomyopathy in Japan  
Toru Kubo  
Kochi, Japan

12:59 p.m.  
Challenges in Applying Advanced Heart Failure Care Programs in Developing Countries  
Sarinya Puwanant  
Bangkok, Thailand

1:11 p.m.  
Outcomes of Alcohol Septal Ablation for the Treatment of Hypertrophic Obstructive Cardiomyopathy in Japan  
Yuichiro Maekawa  
Hamamatsu, Japan

1:23 p.m.  
Discussion

**Heart Failure and Cardiomyopathies - Scientific Session #681**  
**Multiple Faces of HFpEF: Learning With the Experts**  
**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**  
**Room 315 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Barry Borlaug  
Co-Chair: Flora Sam  
Panelist: Akshay S. Desai  
Panelist: Sanjiv Jayendra Shah  
Panelist: Nancy K. Sweitzer

12:30 p.m.  
Diagnostic Approach to the Patient With Heart Failure With Preserved Ejection Fraction (HFpEF)  
Sanjiv Jayendra Shah  
Chicago, IL

12:45 p.m.  
Case Presentations  
Akshay S. Desai  
Boston, MA

12:50 p.m.  
Panel Discussion

1:00 p.m.  
Case Presentation  
Carolyn Lekavich  
Durham, NC

1:05 p.m.  
Panel Discussion

1:15 p.m.  
Case Presentation  
Edo Y. Birati  
Wynnewood, PA

1:20 p.m.  
Panel Discussion

1:30 p.m.  
Case Presentation  
Senthil Selvaraj  
Philadelphia, PA

1:35 p.m.  
Panel Discussion With Question and Answer

**Heart Failure and Cardiomyopathies - Scientific Session #682**  
**Cardiorenal Connections in Heart Failure**  
**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**  
**Room 312 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: John C. Burnett, Jr  
Co-Chair: Michael S. Kiernan

12:30 p.m.  
Assessing Renal (Dys) Function in Patients With Cardiac Disease  
Meredith Ann Brisco-Bacik  
Philadelphia, PA

12:42 p.m.  
Sodium Avidity: Can Anything Stop It?  
Wai Hong Wilson Tang  
Cleveland, OH

12:55 p.m.  
HFpEF and HFrEF: It's All the Same to the Kidneys (Or Is It?)  
Mark Sarnak  
Boston, MA

1:07 p.m.  
If You Treat the Heart, Will the Kidneys Follow?  
Jeffrey M. Testani  
New Haven, CT

1:20 p.m.  
Combating Diuretic Resistance  
Michael Felker  
Durham, NC

1:32 p.m.  
Defining Thresholds of Renal Risk for MCS and Heart Transplantation  
Michael S. Kiernan  
Wellesley, MA

**Heart Failure and Cardiomyopathies - Core Curriculum Session #809**  
**Breast Cancer and the Failing Heart**  
**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**  
**Room 207 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Chair: Ileana L. Pina

12:30 p.m.  
Causative Agents: LV Dysfunction and Cancer Treatment  
Juan C. Lopez-Mattei  
Houston, TX

12:45 p.m.  
LV Dysfunction: Risk Identification with Imaging and Biomarkers





Tochi M. Okwuosa  
Chicago, IL

1:00 p.m.  
Preventative Therapies to Reduce Risk of LV Dysfunction from Breast Cancer Treatment  
Karol E. Watson  
Los Angeles, CA

1:15 p.m.  
ARS Questions  
Ileana L. Pina  
Bronx, NY

1:16 p.m.  
Panel Discussion Moderator  
Ileana L. Pina  
Bronx, NY

1:16 p.m.  
Panel Discussion With Question and Answer

### Heart Failure and Cardiomyopathies - Moderated Poster Contributions

#### Session #1226M

#### Outcomes in Hypertrophic Cardiomyopathy

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater,  
Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Ray Hershberger  
ACC Poster Moderator: Anju Nohria

12:30 p.m.  
Prevalence and Clinical Features of Nonresponders to Surgical Myectomy With Obstructive Hypertrophic Cardiomyopathy  
Sophie B. Wells, Ethan Rowin, Griffin Boll, Hassan Rastegar, Martin Maron, Barry J. Maron, Tufts Medical Center, Boston, MA, USA

12:40 p.m.  
Question and Answer

12:45 p.m.  
Association of Peak Oxygen Consumption and Survival in Patient With Hypertrophic Obstructive Cardiomyopathy  
Jose Medina-Inojosa, Veronica Layrisse, Joshua Smith, Thomas Olson, Mayo Clinic, Rochester, MN, USA, San Juan Bautista School of Medicine, Caguas, PR, USA

12:55 p.m.  
Question and Answer

1:00 p.m.  
The Frequency of Mutations in Known Cardiomyopathy Genes Among Children With Hypertrophic Cardiomyopathy: The National Heart, Lung and Blood Institute-Funded Multicenter Pediatric Cardiomyopathy Registry Study  
Elfriede Pahl, Stephanie Ware, Ling Shi, Debra Dodd, Steven Colan, James Wilkinson, Arthi Sridhar, Jeffrey Schubert, Charles Canter, Daphne T. Hsu, Steven A. Webber, Melanie Everitt, Paul Kantor, Linda Addonizio, Joseph Rossano, John L. Jeffries, Wendy Chung, Teresa Lee, Jeffrey Towbin, Paolo Rusconi, Ashwin Lal, Bruce Aronow, Lisa Martin, Erin Miller, Steven Lipshultz, Wayne State University School of Medicine, Detroit, MI, USA, Children's Hospital of Michigan, Detroit, MI, USA

1:10 p.m.  
Question and Answer

1:15 p.m.  
Age-Related Long-Term Outcomes For Alcohol Septal Ablation in Patients With Hypertrophic Obstructive Cardiomyopathy: Experience From a Large Integrated Healthcare System  
John Kim, Somjot Singh Brar, Ngoc Ho, Jennifer Nguyen, Kyle Greene, Prakash Mansukhani, Vicken Aharonian, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA, USA, Kaiser Permanente, Department of Research and Evaluations, Pasadena, CA, USA

1:25 p.m.  
Question and Answer

1:30 p.m.  
Massive LV Hypertrophy in Hypertrophic Cardiomyopathy Is a High-Risk Subgroup, But Is Associated With Favorable Outcome With Contemporary Treatments  
Ethan Rowin, Mikhail Romashko, Barry J. Maron, Hassan Rastegar, Martin Maron, Tufts Medical Center, Boston, MA, USA

1:40 p.m.  
Question and Answer

### Interventional Cardiology - Live Cases Session #204

#### Interventional Live Case Session IV: Structural/Vascular Transmission From OhioHealth Riverside Methodist

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Main Tent, Hall C

CME Hours: 1.25 /CNE Hours: 1.25

Live Case Operator: Steven J. Yakubov  
Live Case Operator: Gary M. Ansel  
Co-Chair: Stephen R. Ramee  
Panelist: Vasilis C. Babaliaros  
Panelist: John D. Carroll  
Panelist: Dmitriy N. Feldman  
Panelist: Rasha Al-Lamee  
Panelist: D. Christopher Metzger  
Panelist: Beau Michael Hawkins

### Interventional Cardiology - Scientific Session #684

#### Antiplatelet Therapy: Practical Management Pearls

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 205 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Dominick J. Angiolillo  
Co-Chair: Matthew J. Price  
Panelist: Kristen B. Campbell  
Panelist: Francesco Franchi  
Panelist: Gilles Montalescot  
Panelist: Fabiana Rollini  
Panelist: Roberta Rossini

12:30 p.m.  
Management of Antiplatelet Therapy in Patients Undergoing Non-Cardiac Surgery  
Roberta Rossini  
Bergamo, Italy

12:40 p.m.  
Switching Antiplatelet Therapy: How, When, Which Dose?  
Fabiana Rollini  
Jacksonville, FL

12:50 p.m.



### Role of Platelet Function and Genetic Testing in 2017

Dirk Sibbing  
Muenchen, Germany

1:00 p.m.

### Combination of Antiplatelets and Anticoagulants: Where Do We Stand in 2018?

C. Michael Gibson  
Boston, MA

1:10 p.m.

### Oral Antiplatelet Therapy in STEMI: Crushing, Chewing, and Timing of Administration

Gilles Montalescot  
Paris, France

1:20 p.m.

### Timing of Administration of Oral Antiplatelet Therapy in NSTEMI: Practical Considerations

Deepak L. Bhatt  
Newton, MA

1:30 p.m.

### Panel Discussion With Question and Answer

#### **Interventional Cardiology - Scientific Session #685**

#### **Improving TAVR Through Imaging: Seeing Is Believing!**

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 204 C**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Jason Ciril Kovacic

Co-Chair: Jeffrey J. Popma

Panelist: Saif Anwaruddin

Panelist: Alaide Chieffo

Panelist: Andres M. Pineda Maldonado

Panelist: Gennaro Sardella

12:30 p.m.

### MDCT Assessment of the Aortic Annulus for Appropriate Patient and Device Selection

Jonathon Leipsic  
Vancouver, BC

12:39 p.m.

### Bicuspid Aortic Valve Imaging Classification in the TAVR Era: Lessons for an Implant

Raj R. Makkar  
Los Angeles, CA

12:48 p.m.

### Assessment of Paravalvular Regurgitation Following TAVR: A Case for a Unified Grading Scheme

Mathew Williams  
New York, NY

12:57 p.m.

### Imaging Guidance for TAVR: Is TEE the Gold Standard?

Stamatios Lerakis  
Atlanta, GA

1:06 p.m.

### Interactive TAVR Case With Audience Response: Role of Imaging for Patient Selection, Planning and Execution

Gilbert Hin-Lung Tang  
New York, NY

1:15 p.m.

### TAVR Under Conscious Sedation: TTE or TEE?

Saif Anwaruddin  
Philadelphia, PA

1:24 p.m.

### Very Low Contrast Volume CTA

Omar K. Khalique  
Teaneck, NJ

1:33 p.m.

### Ask the Experts: Audience Question and Answer

#### **Interventional Cardiology - Scientific Session #686**

#### **CTO: The Good the Bad, and the Ugly- The Learning ZONE!**

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 203 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Farouc A. Jaffer

Co-Chair: William L. Lombardi

Panelist: John M. Lasala

Panelist: Samin K. Sharma

Panelist: Robert W. Yeh

12:30 p.m.

### CTO Current Data Review: Are They Enough?

James Aaron Grantham  
Shawnee Mission, KS

12:35 p.m.

### Patient Selection

Robert W. Yeh  
Boston, MA

12:40 p.m.

### CTO/CHIP: Essential Toolbox and Procedure Skills You Need

Khaldoon Alaswad  
Detroit, MI

12:50 p.m.

### Strategy Planning: Angiographic Review, Selection and Basic Concepts of Antegrade/Retrograde and Hybrid Techniques

Emmanouil S. Brilakis  
Minneapolis, MN

1:00 p.m.

### Advanced Imaging - IVUS and OCT Use in CTO PCI

Marco A. Costa  
Cleveland, OH

1:05 p.m.

### Complication Management: Stay Calm and Focused!

Dimitrios I. Karpaliotis  
New York, NY

1:10 p.m.

### Case I: When All Hell Breaks Loose!

Robert Pyo  
Bayside, NY

1:15 p.m.

### Panel Discussion With Audience Question and Answer



1:25 p.m.

Buckle Your Seat Belt, Persistence and Judgement Call!

Stéphane Rinfret

Montreal, Canada

1:30 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #687

#### Emerging Role of NOACs in Patients With Coronary Artery Disease: The Balancing Act!

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 202 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Jonathan L. Halperin

Co-Chair: Manesh R. Patel

Panelist: Snehal H. Bhatt

Panelist: Judy Cheng

Panelist: Matthew T. Roe

Panelist: Freek W. A. A. Verheugt

12:30 p.m.

Which NOAC and Which Dose in Atrial Fibrillation Patient Undergoing PCI

Laura Mauri

Boston, MA

12:45 p.m.

Which NOAC and Which Dose in ACS

Matthew T. Roe

Durham, NC

1:00 p.m.

Which NOAC and Which Dose in Stable Vascular Disease

Shamir R. Mehta

Hamilton, Canada

1:15 p.m.

Future Studies

Freek W. A. A. Verheugt

Amsterdam, Netherlands

1:30 p.m.

Panel Discussion With Question and Answer

### Interventional Cardiology - Moderated Poster Contributions

#### Session #1228M

#### Shock and Support: Urgent Interventions

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Interventional Cardiology Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Jay S. Giri

ACC Poster Moderator: Marwa A. Sabe

12:30 p.m.

Comparison of ECMO and pLVAD For Patients With Cardiogenic Shock Undergoing High-Risk Percutaneous Coronary Intervention

Rajkumar Doshi, Krunalkumar Patel, Jay Shah, Rajiv Jauhar, Zainulabedin

Waqar, Perwaiz Meraj, Northwell Health, Manhasset, NY, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Risk Prediction in Patients With Venoarterial Extracorporeal Membrane Oxygenation For Cardiopulmonary Support: Insights From a European Nationwide Registry

Peter Moritz Becher, Christoph Sinning, Benedikt Schrage, Nina Fluschnik, Christoph Waldeyer, Moritz Seiffert, Alexander Bernhardt, Uwe Zeymer, Hermann Reichenspurner, Stefan Blankenberg, Raphael Twerenbold, Dirk Westermann, University Heart Center Hamburg-Eppendorf, Hamburg, Germany

12:55 p.m.

Question and Answer

1:00 p.m.

Does Hospital Volume Affect In-Hospital Mortality in Patients Presenting With ST-Segment Elevation Myocardial Infarction Complicated by Cardiogenic Shock? Results From a Nationwide Real-World Registry

Gaurav Patel, Sukrut Nanavaty, Toralben Patel, Samir Pancholy, The Wright Center for Graduate Medical Education, Scranton, PA, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Outcomes Following Urgent/Emergent Transcatheter Aortic Valve Replacement: Insights From the STS/ACC TVT Registry

Dhaval Kolte, Sahil Khera, Sreekanth Vemulapalli, Dadi (David) Dai, Stephan Heo, Andrew Michael Goldsweig, Herbert D. Aronow, Ignacio Inglessis, Sammy Elmariah, Barry Sharaf, Paul Gordon, J. Abbott, Brown University, Providence, RI, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Hospital Variation in the Utilization of Short-Term Non-Durable Mechanical Circulatory Support in Myocardial Infarction Complicated by Cardiogenic Shock

Jordan B. Strom, Yuansong Zhao, Changyu Shen, Mabel Chung, Jeffrey Popma, Robert Yeh, Beth Israel Deaconess Medical Center, Boston, MA, USA

1:40 p.m.

Question and Answer

### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Scientific - Session #683

#### Controversies in Cardiac MRI

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 308 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Milind Y. Desai

Co-Chair: Kevin E. Steel

12:30 p.m.

Pro: Every Cardiomyopathy Patient Should Undergo an MRI

Mouaz H. Al-Mallah

Riyadh, Saudi Arabia

12:40 p.m.

Con: Every Cardiomyopathy Patient Should Undergo an MRI

John Gorcsan, III

Saint Louis, MO

12:50 p.m.

Rebuttal Every Cardiomyopathy Patient Should Undergo an MRI



Mouaz H. Al-Mallah  
Riyadh, Saudi Arabia

12:52 p.m.  
Rebuttal Every Cardiomyopathy Patient Should Undergo an MRI  
John Gorgsan, III  
Saint Louis, MO

12:54 p.m.  
Pro: CMR is the Test of Choice to Guide Revascularization  
Eike C. Nagel  
Frankfurt, Germany

1:04 p.m.  
Con: CMR is the Test of Choice to Guide Revascularization  
Milind Y. Desai  
Cleveland, OH

1:14 p.m.  
Rebuttal CMR Is the Test of Choice to Guide Revascularization  
Eike C. Nagel  
Frankfurt, Germany

1:16 p.m.  
Rebuttal, CMR is the Test of Choice to Guide Revascularization  
Milind Y. Desai  
Cleveland, OH

1:18 p.m.  
Pro: 4D Flow Imaging: Nice Images Looking for a Role  
Amit R. Patel  
Chicago, IL

1:28 p.m.  
Con: 4D Flow Imaging: Nice Images Looking for a Role  
Anthony R. Fuisz  
Washington, DC

1:38 p.m.  
Rebuttal: 4D Flow Imaging: Nice Images Looking for a Role  
Amit R. Patel  
Chicago, IL

1:41 p.m.  
Rebuttal: 4D Flow Imaging: Nice Images Looking for a Role  
Anthony R. Fuisz  
Washington, DC

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)  
Moderated Poster Contributions - Session #1229M  
Non Invasive Imaging and Prognosis  
Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.  
Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall  
A/B  
CME Hours: /CNE Hours:**

ACC Poster Moderator: Amir Ali Ahmadi  
ACC Poster Moderator: Federico M. Asch

12:30 p.m.  
Incremental Value of Extracellular Volume Assessment by Cardiovascular  
Magnetic Resonance Imaging in Risk Stratifying Patients With Suspected  
Myocarditis  
Christoph Gräni, Loïc Bière, Christian Eichhorn, Kyoichi Kaneko, Vikram  
Agarwal, Ayaz Aghayev, Michael Steigner, Ron Blankstein, Michael Jerosch-  
Herold, Raymond Kwong, Brigham and Women's Hospital, Boston, MA, USA

12:40 p.m.  
Question and Answer

12:45 p.m.  
Defining the Relationship Between the Extent of Mid-Wall Late Gadolinium  
Enhancement and Adverse Heart Failure Events in Patients With Dilated  
Cardiomyopathy  
Brian Halliday, Arun Bakshi, Ankur Gulati, Aamir Ali, Simon Newsome, Monika  
Arzanauskaite, Cemil Izgi, Amrit Lota, Upasana Tayal, Vass Vassiliou, Stuart  
Cook, John Cleland, Dudley Pennell, Sanjay Prasad, Royal Brompton Hospital  
and National Heart & Lung Insititute, Imperial College, London, United  
Kingdom

12:55 p.m.  
Question and Answer

1:00 p.m.  
Meta-Analysis of Late Gadolinium Enhancement in Dilated Cardiomyopathy  
Arun Kannan, Kris Kumar, Srinivasa Madhavan, Gurusaravanan Kutti  
Sridharan, Rajesh Janardhanan, University of Arizona, Tucson, AZ, USA

1:10 p.m.  
Question and Answer

1:15 p.m.  
Predicting Cardiovascular Outcomes With Coronary Artery Calcium  
Progression: The Walter Reed Cohort  
Robert Paisley, Joshua Mitchell, Patrick Moon, Todd Villines, Baylor College  
of Medicine, Houston, TX, USA, Walter Reed National Military Medical  
Center, Bethesda, MD, USA

1:25 p.m.  
Question and Answer

1:30 p.m.  
Absolute Coronary Artery Calcium Scores Predict Mortality Better Than Age-  
Sex-Race/Ethnicity Percentile: CAC Consortium  
Gowtham Grandhi, Tanuja Rajan, Zeina Dardari, Michael Miedema, Leslee  
Shaw, John Rumberger, Alan Rozanski, Mouaz H. Al-Mallah, Daniel Berman,  
Matthew Budoff, Khurram Nasir, Michael Blaha, Baptist Health South Florida,  
Miami, FL, USA

1:40 p.m.  
Question and Answer

### Non-Certified Industry Events - Learning Destinations

#### Session #4207

**HF ORIGINS: New Perspectives on the Pathophysiology of Depressed  
Myocardial Contractility in Heart Failure with Reduced Ejection  
Fraction**

**Sunday, March 11, 2018, 12:30 p.m. - 1:00 p.m.**

**Expo Hall 852-Innovation Stage**

**CME Hours: 0 /CNE Hours: 0**

12:30 p.m.  
HF ORIGINS: New Perspectives on the Pathophysiology of Depressed  
Myocardial Contractility in Heart Failure with Reduced Ejection Fraction  
John R. Teerlink  
San Francisco, CA



### Non-Certified Industry Events - Learning Destinations

#### Session #4404

#### The Future of Health Technology and Innovation @ the Future Hub Theater (Part III)

Sunday, March 11, 2018, 12:30 p.m. - 2:00 p.m.

Expo Hall 3517-Future Hub

CME Hours: 0 /CNE Hours: 0

12:30 p.m.

Ways to Master Digital Medicine Research Without Breaking a Sweat

Evan D. Muse

La Jolla, CA

12:45 p.m.

Precision Medicine: Hype or Reality for Cardiologists?

Panelist: Geoffrey S. Ginsburg

Panelist: Evan D. Muse

1:15 p.m.

Treating Patients with Structural Heart Disease: What is Coming Down the Pipeline?

Philippe Genereux

New York, NY

1:30 p.m.

The Future of Valve Technology

12:30 p.m.

Moderator of Panel Discussion: Saibal Kar

Panelist: A. Pieter Kappetein

Panelist: Barathi Sethuraman

Panelist: Martyn Thomas

Panelist: Vinod H. Thourani

### Prevention - International

#### Session #518

#### International CV Centers of Excellence and CV Quality: It's a Small World After All

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 304 E

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Ralph G. Brindis

Co-Chair: Sarah C. Clarke

12:30 p.m.

Introduction to Session

Ralph G. Brindis

San Francisco, CA

12:30 p.m.

Introduction to Session

Sarah C. Clarke

Cambridge, United Kingdom

12:35 p.m.

It Takes a Village

Hani Omar Abdel-Hadi

Dammam, Saudi Arabia

12:45 p.m.

Registries as a Tool for Quality Improvement for CVD Care in India and LMICs

Rajeev Gupta

Jaipur Rajasthan, India

12:55 p.m.

Improvement in Quality Indicators Using NCDR® Registries: Five Years of International Experience

Pedro Gabriel Melo De Barros E Silva

São Paulo, Brazil

1:05 p.m.

NCDR® as a Resource Improvement in Hospital Quality Parameters

Keyur H. Parikh

Ahmedabad, India

1:15 p.m.

Enhancing Quality of Care for a.m.I: Physician Engagement Strategies at Hospital Israelita Albert Einstein

Marcelo Franken

Sao Paulo, Brazil

Panelist: Hani Omar Abdel-Hadi

Panelist: Rajeev Gupta

Panelist: Pedro Gabriel Melo De Barros E Silva

Panelist: Keyur H. Parikh

Panelist: Marcelo Franken

### Prevention - Scientific

#### Session #688

#### Beyond Essential Hypertension: Complex Case Studies in Resistant, Secondary, and Post-Stroke Hypertension

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 308 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Stacie L. Daugherty

Co-Chair: Keith C. Ferdinand

Panelist: Joshua A. Beckman

Panelist: Robert M. Carey

Panelist: Kenneth A. Jamerson

Panelist: Suzanne Oparil

12:30 p.m.

Pressure Is Perfusion: Hypertension Management in Acute Stroke and Beyond

Anum Saeed

Houston, TX

12:35 p.m.

Panel Discussion With Audience Question and Answer

12:55 p.m.

Resisting Arrest in HTN Control: Recognizing and Managing Resistance and Non-Adherence

John Mooney

Fernandina Beach, FL

1:00 p.m.

Panel Discussion With Audience Question and Answer

1:20 p.m.

Thinking Like Sherlock Holmes: When HTN Is More Than Meets the Eye

Mrinal Yadava

Portland, OR

1:25 p.m.

Panel Discussion With Audience Question and Answer





### Prevention - Moderated Poster Contributions

#### Session #1232M

#### Lifestyle, Nutrition and Management of Obesity to Promote CV Health

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Prevention Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Andre Paixao

ACC Poster Moderator: Neil J. Stone

12:30 p.m.

Increasing Trend in the Prevalence of Abdominal Obesity in the United States During 2001-2016

Doosup Shin, Chandrashekar Bohra, Kullatham Kongpakpaisarn, Eun Sun Lee, University of South Florida College of Medicine, Tampa, FL, USA, Weiss Memorial Hospital, Chicago, IL, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Accuracy of the Pooled Cohort Equation to Estimate Atherosclerotic Cardiovascular Disease Events by Obesity Class: A Pooled Assessment of Five Longitudinal Cohort Studies

Rohan Khara, Ambarish Pandey, Colby Ayers, Mercedes Carnethon, Philip Greenland, Vijay Nambi, Stephen Seliger, Paulo Chaves, Donald Lloyd-Jones, Jarrett Berry, James de Lemos, Ian Neeland, University of Texas Southwestern Medical Center, Dallas, TX, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Insufficient Cardiovascular Risk Factor Control and Adherence to Recommended Lifestyle and Medical Therapies in People With Coronary Heart Disease in 24 European Countries

Kornelia Kotseva, Dirk De Bacquer, Guy De Backer, Lars Ryden, Catriona Jennings, David Wood, on behalf of EUROASPIRE V Investigators, European Society of Cardiology, Nice, France, Imperial College London, London, United Kingdom

1:10 p.m.

Question and Answer

1:15 p.m.

Weight Loss Following Coronary Artery Calcium Testing in Obese Patients  
Sadeer G. Al-Kindi, Robert Gilkeson, Les Ciancebello, Nataly Johnson, John Shanahan, Michelle Bryant-Hodges, Stan Pokras, Mirela Dobre, Daniel Simon, Sanjay Rajagopalan, David Zidar, University Hospitals Cleveland Medical Center, Cleveland, OH, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Intervention to Alter Dietary Consumption to a Mediterranean Diet in an American Cardiology Patient Population: A Randomized Controlled Trial of Coaching Delivered Via Smartphone App Versus Traditional Counseling

Brian Choi, Tania Dhawan, Kelli Metzger, Lorraine Marshall, Awdah Akbar, Tushina Jain, Heather Young, Richard Katz, George Washington University, Washington, DC, USA

1:40 p.m.

Question and Answer

### Special - Intensive

#### Session #54

#### A General Cardiologist's Real-world Approach to Adult Congenital Heart Disease: An Interactive Intensive I — Atrial Septal Defects

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 209 B**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Michael J. Landzberg

Co-Chair: Keri M. Shafer

Panelist: Yonatan Buber

Panelist: Frank Cecchin

Panelist: Susan M. Fernandes

Panelist: Yuli Y. Kim

Panelist: C. Huie Lin

12:30 p.m.

Welcome and Introduction to Interactive Format

Michael J. Landzberg

Boston, MA

12:35 p.m.

A (Practical) How To Approach: Atrial Septal Defects

Michael J. Landzberg

Boston, MA

12:35 p.m.

A (Practical) How To Approach: Atrial Septal Defects

Keri M. Shafer

Boston, MA

1:10 p.m.

Quantifying the Shunt: Cath Lab Tactics

Thomas M. Bashore

Durham, NC

1:15 p.m.

Hands-on 3D and Digital Congenital Heart Disease Models

Stephen Sanders

Boston, MA

1:35 p.m.

Your Adult Congenital Heart Disease Patient is Waiting to be Seen: Review of Key Concepts I

Michael J. Landzberg

Boston, MA

1:35 p.m.

Your Adult Congenital Heart Disease Patient is Waiting to be Seen: Review of Key Concepts I

Keri M. Shafer

Boston, MA

### Special - Symposium

#### Session #108

#### Cardiovascular Update for the Clinician III: Systolic & Diastolic Heart Failure (A Symposium by Valentin Fuster)

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 311 E**

**CME Hours: 1.25 /CNE Hours: 1.25**

Chair: Valentin Fuster

Panelist: G. William Dec, JR

Panelist: Mardi Gomberg-Maitland

Panelist: Christopher M. Kramer

12:30 p.m.



Imaging (MR, Nuclear): Diagnosis-Prognosis in 7 Cardiomyopathies:  
Myocarditis, Dilated, Amyloid, Sarcoid, Hypertrophic, NCLV, Takotsubo  
Christopher M. Kramer  
Charlottesville, VA

12:50 p.m.  
Systolic(S) vs Diastolic(D) Dysfunction - Early Detection & 4 Therapies Hs-  
cTN/BNP(SD), Risk Frs(D), Neprilysin(S), Ivabradine(SD), LVAD(S)  
G. William Dec, JR  
Boston, MA

1:10 p.m.  
Advances in 3 Types of PH - Monitoring & Therapeutic Approaches Left Sided  
Failure, Pulmonary Arterial Hypertension, Thromboembolic  
Mardi Gomborg-Maitland  
Falls Church, VA

1:30 p.m.  
Panel Discussion

### Special - Late-Breaking Clinical Trials

#### Session #406

#### Deep Dive I

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 311 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Christopher Granger  
Co-Chair: Judith S. Hochman

12:30 p.m.  
Cardiovascular Outcomes with Alirocumab After Acute Coronary Syndrome:  
Results of the ODYSSEY Outcomes Trial  
Philippe Gabriel Steg  
Paris, France

12:35 p.m.  
Panelist: Daniel B. Mark  
Durham, NC

12:41 p.m.  
Panel Discussion

12:48 p.m.  
Efficacy of a Wearable Cardioverter-Defibrillator after Myocardial Infarction:  
Results of the Vest Prevention of Early Sudden Death Trial (VEST)  
Jeffrey E. Olgin  
San Francisco, CA

12:53 p.m.  
Panelist: Jonathan P. Piccini  
Durham, NC

12:59 p.m.  
Panel Discussion

1:06 p.m.  
A Prospective, Randomised, Multicentre Study Of A Pharmacogenomic  
Approach To The Selection Of Antiplatelet Therapy In Acute Coronary  
Syndromes  
Diego Ardissino  
San Gonago Milanese, Italy

1:11 p.m.  
Panelist: Marc Steven Sabatine  
Boston, MA

1:17 p.m.  
Panel Discussion

1:24 p.m.  
Loading Doses of Atorvastatin versus Placebo in Patients with Acute Coronary  
Syndromes and Planned Revascularization: The SECURE-PCI Trial  
Otavio Berwanger  
São Paulo, Brazil

1:29 p.m.  
Panelist: Roxana Mehran  
New York, NY

1:35 p.m.  
Panel Discussion

### Special - Scientific

#### Session #780

**FIT Forum: Acing the Transition: What FITs Need to Know to Launch  
a Healthy, Successful Career**

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 312 C**

**CME Hours: 0 /CNE Hours: 0**

Co-Chair: David McNeely  
Co-Chair: Varsha K. Tanguturi

12:30 p.m.  
The Elevator Speech  
Quinn Stanton Wells  
Nashville, TN

12:42 p.m.  
Question and Answer

12:45 p.m.  
A Pragmatic Approach to Selecting the Right Professional Practice after  
Fellowship  
Doreen Defaria Yeh  
Boston, MA

12:57 p.m.  
Question and Answer

1:00 p.m.  
What Makes a New Hire Valuable  
Jagmeet P. Singh  
Newton, MA

1:12 p.m.  
Question and Answer

1:15 p.m.  
Avoiding Burnout and Maintaining Resiliency as Cardiologists  
Claire S. Duvernoy  
Ann Arbor, MI

1:27 p.m.  
Question and Answer

1:29 p.m.  
Creating the Optimal Work-Life Balance  
Kim A. Eagle  
Ann Arbor, MI

1:42 p.m.  
Question and Answer



### Special - Moderated Poster Contributions

#### Session #1227M

#### **FIT Clinical Decision Making Non-Invasive Imaging and Valvular Heart Disease: A Window Into Your Soul (or at Least Your Heart)**

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Spotlight on Special Categories Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Jeffrey Benjamin Geske

ACC Poster Moderator: Chittur A. Sivaram

12:30 p.m.

Gerbode Defect Presenting as Complete Heart Block in Bicuspid Aortic Valve Endocarditis

Rama Hritani, Phillip Lam, Christy Kaiser, MedStar Washington Hospital Center, Washington, DC, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Solving the Mystery of a Dilated Right Ventricle With Multimodality Imaging  
Maythawee Bintvihok, Gemini Yesodharan, Maxwell Afari, Lana Tsao, St. Elizabeth's Medical Center, Tufts University School of Medicine, Boston, MA, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Unmasking of Isolated Non-Compaction of the Left Ventricle With Real Time Contrast Echocardiography and Intermediate Mechanical Index  
Thomas Richard Porter, Sourabh Aggarwal, Feng Xie, Abdulrahman Morad, University of Nebraska Medical Center, Omaha, NE, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Pseudo-Severe Mitral Stenosis in the Context of High-Flow Hemodynamics  
Filip Ionescu, Sergio Barros-Gomes, Ioana Petrescu, Kashish Goel, Grace Lin, Sorin Pislaru, Mayo Clinic, Rochester, MN, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Multimodality Cardiac Imaging For Diagnosing a Ruptured Sinus of Valsalva Aneurysm

Basil Al-Sabeg, Sabe De, Ryan Davey, The University of Western Ontario, London, Canada

1:40 p.m.

Question and Answer

### Special - Scientific

#### Session #810

#### **Cases From the Guidelines for Clinicians**

**Sunday, March 11, 2018, 12:30 p.m. - 3:00 p.m.**

**Room 304 G**

**CME Hours: 2.5 /CNE Hours: 2.5**

Co-Chair: Jane A. Linderbaum

Co-Chair: John P. Erwin, III

12:30 p.m.

Congenital Heart Disease Cases

William Miranda

Rochester, MN

12:30 p.m.

Aortic Stenosis and Catheter Therapy Cases

Patricia Keegan

Atlanta, GA

12:30 p.m.

Top 10 Cardiac Medication Blunders

Rhonda M. Cooper-DeHoff

Gainesville, FL

12:30 p.m.

Cases in General Cardiology

Eileen M. Handberg

Gainesville, FL

12:30 p.m.

Structural Heart Disease Cases

Jane A. Linderbaum

Rochester, MN

12:30 p.m.

ACS Clinical Cases

John P. Erwin, III

Temple, TX

### Valvular Heart Disease - Scientific

#### Session #689

#### **TAVR vs SAVR at Age 70: Which Would You Choose?; Joint Symposium of the Society of Thoracic Surgeons and the American College of Cardiology**

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 307 C**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Michael J. Mack

12:30 p.m.

Durability of Current TAVR vs SAVR Devices: TAVR

Wilson Y. Szeto

Philadelphia, PA

12:35 p.m.

Durability of Current TAVR vs SAVR Devices: SAVR

Edward P. Chen

Atlanta, GA

12:40 p.m.

Panel Discussion With Audience Question and Answer

12:48 p.m.

Anticoagulation Following TAVR vs SAVR: Is Valve Thrombosis a Real Phenomenon - TAVR

Kevin D. Accola

Orlando, FL

12:53 p.m.

Anticoagulation Following TAVR vs SAVR: Is Valve Thrombosis a Real Phenomenon - SAVR

Rick A. Nishimura

Rochester, MN

12:58 p.m.

Panel Discussion With Audience Question and Answer



1:06 p.m.

Concomitant PCI vs CABG - Which Is Better?: TAVR+PCI

G. Michael Deeb

Ann Arbor, MI

1:11 p.m.

Concomitant PCI vs CABG - Which Is Better?: SAVR+CABG

Patrick T. O'Gara

Boston, MA

1:16 p.m.

Panel Discussion With Audience Question and Answer

1:24 p.m.

Bicuspid Aortic Valve Stenosis: Is TAVR or SAVR the Best Option: TAVR

Vinod H. Thourani

Washington, DC

1:29 p.m.

Bicuspid Aortic Valve Stenosis: Is TAVR or SAVR the Best Option: SAVR

Samir R. Kapadia

Cleveland, OH

1:34 p.m.

Panel Discussion With Audience Question and Answer

### Vascular Medicine - Scientific

#### Session #690

#### Multidisciplinary Response Teams for High-Risk PE and DVT:

#### Respond Like a Pro

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 307 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Gregory Piazza

Co-Chair: Sreekanth Vemulapalli

12:30 p.m.

Panel Discussion: A 57-Year-Old Woman With PE, Normal Blood Pressure, RV Enlargement on CT, and Positive Troponin

12:30 p.m.

Case Presentation: A 57-Year-Old Woman With PE, Normal Blood Pressure, RV Enlargement on CT, and Positive Troponin

Aaron P. Kithcart

Boston, MA

12:30 p.m.

Panelist: A 57-Year-Old Woman With PE, Normal Blood Pressure, RV Enlargement on CT, and Positive Troponin

Mohsen Sharifi

Mesa, AZ

12:30 p.m.

Panelist: A 57-Year-Old Woman With PE, Normal Blood Pressure, RV Enlargement on CT, and Positive Troponin

Brett Carroll

Boston, MA

12:45 p.m.

Panel Discussion: A 37-Year-Old Woman With Ulcerative Colitis, Saddle PE, Hypoxemia, and Hypotension

12:45 p.m.

Case Presentation: A 37-Year-Old Woman With Ulcerative Colitis, Saddle PE, Hypoxemia, and Hypotension

Allison Tsao

Jamaica Plain, MA

Panelist: David Michael Dudzinski

Panelist: Alec Schmaier

1:00 p.m.

Panel Discussion: A 61-Year-Old Man With PE, Resuscitated Cardiac Arrest, and Refractory Shock

Panelist: Victor F. Tapson

Panelist: Patricia Thistlethwaite

1:15 p.m.

Panel Discussion: A 28-Year-Old Woman With Extensive Left Lower Extremity DVT

1:15 p.m.

Case Presentation: A 28-Year-Old Woman With Extensive Left Lower Extremity DVT

Stanislav Henkin

Lebanon, NH

Panelist: Anthony J. Comerota

Panelist: Samuel Z. Goldhaber

1:30 p.m.

Panel Discussion With Question and Answer

Panelist: Victor F. Tapson

Panelist: Anthony J. Comerota

Panelist: Samuel Z. Goldhaber

Panelist: Alec Schmaier

### Vascular Medicine - Moderated Poster Contributions

#### Session #1231M

#### The Clot Thickens: Advances in Venous Thromboembolism and Anticoagulation

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Vascular Medicine and Valvular Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Umberto Campia

ACC Poster Moderator: Yogendra Kanthi

12:30 p.m.

Venous Thromboembolism and Risk of Recurrence: A Danish Nationwide Cohort Study

Ida Ehlers Albertsen, Lars Hvilsted Rasmussen, Thure Filskov Overvad, Mette Sogaard, Peter Brønnum Nielsen, Samuel Z. Goldhaber, Torben Bjerregaard Larsen, Department of Cardiology, Aalborg University Hospital, Aalborg, Denmark

12:40 p.m.

Question and Answer

12:45 p.m.

Real-World Evaluation of Hospital Length of Stay and Cost For Apixaban Versus Warfarin Treatment of Hospitalized Venous Thromboembolism Patients in the US

Jay Lin, Lien Vo, Gail Wygant, Patrick Hlavacek, Lisa Rosenblatt, Anu Gupta, Xianying Pan, Jack Mardekian, Melissa Lingohr-Smith, Brandy Menges, Kenneth Tuell, Jennifer Guo, Bristol-Myers Squibb, Princeton, NJ, USA, Pfizer, Inc., New York, NY, USA

12:55 p.m.



### Question and Answer

1:00 p.m.

The Effect of Catheter-Directed Thrombolysis on the Echocardiographic and Invasive Hemodynamic Parameters in Patients With Acute Submassive Pulmonary Embolism

Colby Shanafelt, Vladimir Lakhter, Russell Rosenberg, Vikas Aggarwal, Paul Forfia, Anjali Vaidya, Chandra Dass, Huaqing Zhao, Yevgeniy Brailovsky, Farhan Raza, Riyaz Bashir, Temple University Hospital, Philadelphia, PA, USA, Loyola University Medical Center, Maywood, IL, USA

1:10 p.m.

### Question and Answer

1:15 p.m.

Impact of Prophylactic Inferior Vena Cava Filters Prior to Bariatric Surgery: Insights From National Inpatient Sample

Satyajit Reddy, Chad Zack, Vladimir Lakhter, Vikas Aggarwal, Huaqing Zhao, Riyaz Bashir, Temple University Hospital, Philadelphia, PA, USA, Duke University Medical Center, Durham, NC, USA

1:25 p.m.

### Question and Answer

1:30 p.m.

Renal Impairment Does Not Compromise Dabigatran Reversal by Idarucizumab

John W. Eikelboom, Paul A. Reilly, Joanne van Ryn, Jeffrey Weitz, Charles Pollack, McMaster University, Hamilton, Canada

1:40 p.m.

### Question and Answer

### Non-Certified Industry Events - Learning Destinations

#### Session #4005

#### Clinical Data and Real-World Evidence to Support NVAf Treatment Decision Making

**Sunday, March 11, 2018, 12:45 p.m. - 1:45 p.m.**

**Expo Hall 704-Indust. Experts1**

**CME Hours: 0 /CNE Hours: 0**

12:45 p.m.

Clinical Data and Real-World Evidence to Support NVAf Treatment Decision Making

Dharmesh Patel  
Memphis, TN

### Non-Certified Industry Events - Learning Destinations

#### Session #4013

#### Repatha® (evolocumab): Putting it Into Practice

**Sunday, March 11, 2018, 12:45 p.m. - 1:45 p.m.**

**Expo Hall 729-Indust. Experts2**

**CME Hours: 0 /CNE Hours: 0**

12:45 p.m.

Repatha® (evolocumab): Putting it Into Practice  
Eliot Brinton  
Salt Lake City, UT

### Special - Events and Meetings

#### Session #5015

#### Adult Congenital & Pediatric Cardiology Quality Network Learning Session

**Sunday, March 11, 2018, 1:00 p.m. - 3:30 p.m.**

**Hyatt Regency Orlando, Celebration 7**

**CME Hours: /CNE Hours:**

1:00 p.m.

### Adult Congenital & Pediatric Cardiology Quality Network Learning Session

#### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1262

#### Special Populations: The Good, the Bad, the Old, the Young and the Sweet Ones (and Others Too!)

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

435 - Risk of Myocardial Infarction and Composite Vascular Events in Patients With Herpes Zoster: 2007-2014 United States Claims Data Analysis

Brandon Patterson, Debra A. Rausch, Debra E. Irwin, Michael Liang, Songkai Yan, Barbara Yawn, GSK, Philadelphia, PA, USA, Truven Health Analytics, an IBM Company, Durham, NC, USA

436 - Prevalence of Substance Abuse Among Young Adults With Myocardial Infarction

Avinander Singh, Bradley Collins, David Biery, Arman Qamar, Amber Fatima, Ankur Gupta, Ersilia Defilippis, Mattheus Ramsis, Daniel Pipilas, Khurram Nasir, Marcelo Di Carli, Deepak Bhatt, Ron Blankstein, Brigham and Women's Hospital, Boston, MA, USA

437 - Long-Term Outcomes After Out-of-Hospital Cardiac Arrest in Young Patients With Myocardial Infarction

Ersilia M. Defilippis, Avinander Singh, Bradley Collins, Ankur Gupta, Arman Qamar, Amber Fatima, Khurram Nasir, Marcelo Di Carli, Deepak Bhatt, Ron Blankstein, Brigham and Women's Hospital, Boston, MA, USA

438 - Association of Chronic Kidney Disease With Use of Revascularization and In-Hospital Mortality in Patients With Cardiogenic Shock Complicating Acute Myocardial Infarction

Tanush Gupta, Dhaval Kolte, Sahil Khera, Kashish Goel, Pedro Villablanca, Wilbert Aronow, Anna Bortnick, Gregg C. Fonarow, Charanjit Rihal, Mark Menegus, Mario J. Garcia, Giora Weisz, Deepak Bhatt, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY, USA, Brigham and Women's Hospital, Boston, MA, USA

439 - Characteristics of Cardiovascular Disease in Cancer Patients: A Case Control Study

Nachiket Madhav Apte, Magdy Hanna, Parinita Dherange, Desiree Dawson, Jessica Atkins, Prakash Peddi, Pratap Reddy, Jerry McLarty, Richard Mansour, Paari Dominic Swaminathan, LSU Health Sciences Center, Shreveport, LA, USA

440 - Amphetamine Abuse and Acute Myocardial Infarction in the United States

Prashant Patel, Sopan Lahewala, Nirali Patel, Shilpkumar Arora, Byomesh Tripathi, Abhishek Deshmukh, Apurva Badheka, St. Bernardine Medical Center/UCR School of Medicine, San Bernardino, CA, USA

441 - Risk of Myocardial Infarction in Patients With Inflammatory Bowel Disease

Muhammad S. Panhwar, Emad Mansoor, Sadeer Al-Kindi, Gregory Cooper, Mahazarin Ginwalla, Case Western Reserve University/University Hospitals of Cleveland, Cleveland, OH, USA

442 - Electrocardiographic Changes After Radiotherapy For Breast Cancer Is a Predictor of Late Cardiovascular Outcome: A Follow-Up of 10 Years

Lafayette W. F. Ramos, Marcos V. F. Ramos, Bárbara Cristina, Cristiano Souza, Eliane Elly, Brazilian Institute for Cancer Control, São Paulo, Brazil

443 - High-Sensitivity Troponin Assays Exhibit Prohibitively High False Positive Rates For Myocardial Infarction in the Elderly: Findings From the AGES Reykjavik Study





Tushar Acharya, Eric Leifer, Thor Aspelund, Gudny Eiriksdottir, Tamara Harris, Lenore Launer, Vilundur Gudnason, Andrew Arai, National Institutes of Health, Bethesda, MD, USA, Icelandic Heart Association, Kópavogur, Iceland

444 - Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography  
Michael Shao, Jonathon Leipsic, Ung Kim, Stephanie L. Sellers, Philipp Blanke, Jeroen J. Bax, Daniel Berman, Leslee Shaw, Renu Virmani, Jagat Narula, James K. Min, Hyuk-Jae Chang, St. Paul's Hospital, Vancouver, Canada

445 - 3.2% of Young Subjects Under 45 Years With Acute Myocardial Infarction Have Genetically Verified Familial Hypercholesterolemia  
Kirsten Holven, Linn K. L. Øyri, Sigrun Halvorsen, Dan Atar, Trond Leren, Martin Bogsrud, University of Oslo, Oslo, Norway, Oslo University Hospital, Oslo, Norway

446 - The Clinical Significance of Type 2 Myocardial Infarction on Outcome and Major Adverse Cardiovascular Events in Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic State Patients  
Abdulwahab Hritani, Gregory Schleis, Tara Zehrer, Indrajit Choudhuri, Khawaja Afzal Ammar, Rama Hritani, Susan Olet, M. Fuad Jan, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

447 - Impact of Bipolar Disorder on Readmission Rates and Costs After Coronary Artery Bypass Grafting  
Yas Sanaiha, Yen-Yi Juo, Young-Ji Seo, Peyman Benharash, Ramin Ebrahimi, University of California, Los Angeles, Los Angeles, CA, USA

448 - Impact of Mental Illnesses on Readmission, Re-Intervention Rates, and Costs After Percutaneous Coronary Intervention  
Yas Sanaiha, Ryan Ou, Yen-Yi Juo, Peyman Benharash, Ramin Ebrahimi, University of California, Los Angeles, Los Angeles, CA, USA

449 - Analysis of Outcomes in Acute Myocardial Infarction in Setting of Cocaine Abuse  
Abhishek Mishra, Sopan Lahewala, Prashant Patel, Nirali Patel, Shilpkumar Arora, Byomesh Tripathi, Abhishek Deshmukh, Apurva Apurva Badheka, Edo Kaluski, Guthrie Robert Packer Hospital, Sayre, PA, USA

450 - Trends of Acute Myocardial Infarction in Patients With Cocaine and Amphetamine Abuse  
Nirali Patel, Sopan Lahewala, Prashant Patel, Shilpkumar Arora, Byomesh Tripathi, Abhishek Deshmukh, Apurva Badheka, RWJ Barnabas Health/Jersey City Medical Center, Jersey City, NJ, USA

451 - Impact of Acute Kidney Injury on Short- and Long-Term Mortality in ST-Segment Elevation Myocardial Infarction and Non-ST-Segment Elevation Myocardial Infarction Patients: The J-MINUET Substudy  
Shotaro Kuji, Masami Kosuge, Kazuo Kimura, Koichi Nakao, Yukio Ozaki, Junya Ako, Teruo Noguchi, Satoshi Yasuda, Satoru Suwa, Kazuteru Fujimoto, Yasuharu Nakama, Takashi Morita, Wataru Shimizu, Yoshihiko Saito, Atsushi Hirohata, Yasuhiro Morita, Teruo Inoue, Atsunori Okamura, Toshiaki Mano, Kazuhito Hirata, Kunihiro Nishimura, Yoshihiro Miyamoto, Hisao Ogawa, Masaharu Ishihara, on behalf of J-MINUET Investigators, Yokohama City University Medical Center, Yokohama, Japan

452 - Diabetic Patients With Acute Myocardial Infarction Had Delayed Hospital Admission Than Non-Diabetic Patients  
Katsuomi Iwakura, Atsunori Okamura, Yasushi Koyama, Koichi Inoue, Mutsumi Iwamoto, Hiroyuki Nagai, Yuko Hirao, Koji Tanaka, Takafumi Oka, Yuichi Ninomiya, Nobuaki Tanaka, Tomohiro Yamasaki, Masato Okada, Akinori Sumiyoshi, Ryo Nakamaru, Takamasa Tanaka, Hiroyuki Inoue, Kohtaro Takayasu, Kota Tanaka, Ryo Kitagaki, Kenshi Fujii, Sakurabashi Watanabe Hospital, Osaka, Japan

453 - Post Myocardial Infarction Heart Failure in Patients Above 80 Years of Age: Clinical Implications and Benefit in Heart Failure Treatment  
Anwar J. Siddiqui, Peter Reinius, Martin J. Holzmänn, Karolinska University Hospital, Huddinge, Stockholm, Sweden

454 - The Influence Multimorbidity in Older Adults With Diabetes and Stable Ischemic Heart Disease  
Abdulla Damluji, Ashok Krishnaswami, Daniel Nelson, Mauro Moschetti, Daniel Forman, Sinai Hospital, LifeBridge Health Cardiovascular Institute, Baltimore, MD, USA, Division of Cardiology, Johns Hopkins University, Baltimore, MD, USA

455 - Coronary Artery Bypass Grafting in Octogenarians: Morbidity and Mortality  
Thaer Musa, Gbolahan Ogunbayo, Naoki Misumida, Ahmed Abdel-Latif, Adrian Messerli, University of Kentucky, Lexington, KY, USA

456 - Impact of Pre-Hospital Resuscitation on Short- and Long-Term Mortality in Patients With Cardiogenic Shock Undergoing Revascularization: Results of the IABP-SHOCK Study  
Uwe Zeymer, Steffen Schneider, Ralf Zahn, Karl Werdan, Suzanne de Waha, Steffen Desch, Georg Fuernau, Holger Thiele, Klinikum Ludwigshafen, Ludwigshafen, Germany, Institut für Herzinfarktforschung, Ludwigshafen, Germany

457 - The Assessment of SOFA Score Predicts Mortality and Neurogenic Outcome in Post-Cardiac Arrest Syndrome Patients  
Junji Mastuda, Japan Red Cross Saitama Hospital, Saitama, Japan

458 - ST Elevation Myocardial Infarction in Elderly and Very Elderly Patients  
Roberta Montisci, Cristina Cacace, Michela Congia, Maria Francesca Marchetti, Scotto Roberta, Piero Caddeo, Luigi Meloni, Clinical Cardiology University of Cagliari, Cagliari, Italy

459 - Prior Bariatric Surgery Correlates With Improved In-Hospital Mortality and Decreased Hospitalization Cost and Length of Stay Compared to Morbidly Obese Patients With Acute Myocardium Infarction: A Nationwide Analysis From 2006 to 2014  
Xin Wei, Hedong Han, Kevin Gu, Chayakrit Krittanawong, Bing Yue, Basara Sabharwal, Ahmadreza Moradi, Mario Rodriguez, Karan Sud, Mariam Khandaker, Shuyang Fang, Eyal Herzog, Mount Sinai St. Luke's West, New York, NY, USA

460 - Gender Specific Factors Associated With Major Adverse Cardiovascular Events: Insights From ACCELERATE  
Peta King, Paul Cremer, Stephen Nicholls, A. Lincoff, Venu Menon, Jeffrey Riesmeyer, Giacomo Ruotolo, Julie St John, Ellen McErlean, Steven Nissen, South Australian Health and Medical Research Institute, Adelaide, Australia

461 - South Asian Ethnicity Associated With Narrow Coronary Arteries: A Meta-Analysis  
Dev Basu, Hari Pokharel, Anubhooti Tiwari, Medstar Good Samaritan Hospital, Baltimore, MD, USA

462 - Cost-Effectiveness of Ranolazine Added to Standard of Care Treatment in Patients With Chronic Angina and Type 2 Diabetes  
Craig I. Coleman, Erin R. Weeda, Elaine Nguyen, Christine Kohn, University of Connecticut, Storrs, CT, USA

463 - National Trends in Outcomes of Non-ST-Elevation Acute Coronary Syndromes in Adults With End-Stage Renal Disease, 2005-2014  
Bing Yue, Chayakrit Krittanawong, Abel Casso Dominguez, Xin Wei, Mariam Khandaker, Ashish Correa, Shuyang Fang, Eyal Herzog, Mount Sinai St. Luke's Hospital, New York, NY, USA, Mount Sinai West Hospital, New York, NY, USA



464 - Sex Differences in Revascularization and Outcomes of ST-Segment Elevation Myocardial Infarction in Adults Aged 60 Years or Over in the United States

Bing Yue, Chayakrit Krittanawong, Xin Wei, Mariam Khandaker, Shuyang Fang, Matthew Tomey, Mount Sinai St. Luke's Hospital, New York, NY, USA, Mount Sinai West Hospital, New York, NY, USA

465 - Elderly Patients Presenting With STEMI Appear to Present Later Despite Targeted Protocols For Expediting Care

Subir Bhatia, Nandan Sadanand Anavekar, Mohammed Al-Hijji, Jason Sims, Gregory Barsness, Mandeep Singh, Joseph Murphy, Joerg Herrmann, Jacob Colin Jentzer, Malcolm Bell, Scott Wright, Mayo Clinic, Rochester, MN, USA

466 - Audit Referral System For Secondary Prevention of Ischemic Heart Disease: Shizuoka Ischemic Heart Registry

Shigetaka Kageyama, Shizuoka City Shizuoka Hospital, Shizuoka, Japan

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1263

#### Procedural Outcomes in Specific Patient Subsets

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

467 - Long-Term Survival Between Off Versus on Pump Coronary Artery Bypass Grafting: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

Udit Thakur, Rahul Muthalaly, Nathan C. Wong, Francis J. Ha, James Cameron, Adam Brown, Julian Smith, Nitesh Nerlekar, Monash Cardiovascular Research Centre, Clayton, Australia

468 - Impact of Major Price Reduction by Government of India For Drug Eluting Stents on Stent Type Implantation and Associated Outcomes

Parloop Bhatt, Parth Parikh, Anish Chandarana, Milan Chag, Vipul Kapoor, Aditi Nanavati, Tejas Patel, Satya Gupta, Hemang Baxi, Urmil Shah, Vineet Sankhla, Neil Jain, Keyur Parikh, CIMS Hospital, Ahmedabad, India, L. M. College of Pharmacy, Ahmedabad, India

469 - Impact of the Age of Frailty on Outcomes After Percutaneous Coronary Intervention in Acute Coronary Syndromes

Beatrice Ricci, Edina Cenko, Zorana Vasiljevic, Goran Stankovic, Sasko Kedev, Marija Vavlukis, Oliver Kalpak, Davor Milicic, Olivia Manfrini, Lina Badimon, Raffaele Bugiardini, University of Bologna, Bologna, Italy

470 - Women With HIV Are Less Likely to Receive Percutaneous Coronary Intervention: A Nationwide Analysis

Farid Gholitabar, Shawn Lee, May Bakir, Syed Ahsan, Seyed Hamed Hosseini Dehkordi, Alejandro Lemor, Eyal Herzog, Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA

471 - Impact of Bleeding on the Risk of Acute Kidney Injury in Patients Undergoing Off-Pump Coronary Artery Bypass Grafting

Wei Liu, Beijing Anzhen Hospital, Beijing, People's Republic of China

472 - Long-Term Follow Up After Coronary Artery Bypass Graft Operation With Refractory Cardiogenic Shock and Extracorporeal Membrane Oxygenation Therapy

Sven Lehmann, Isabell Altmann, Alexandro Hoyer Sepulveda, Khalil Jawad, Piroze Davierwala, Thomas Schroeder, Jens Garbade, Michael Borger, Heart Center Leipzig, Leipzig, Germany

473 - First-in-Man Correlation Between Preoperative Coronary Physiology and the Acute Perfusion Response to Coronary Artery Bypass Grafting: The PERSEUS Pilot Study

Ashesh N. Buch, Hazaim Alwair, Jimmy Efird, Christopher Cook, Ricardo Petraco Da Cunha, Arjun Chagarlamudi, Christopher Gregory, Justin Davies, T.

Ferguson, East Carolina Heart Institute at East Carolina University, Greenville, NC, USA, Imperial College, London, United Kingdom

474 - Efficacy of Extracorporeal Shockwave Myocardial Revascularization Therapy in Patients With Stable Angina Pectoris: Multicentre Randomized Double Blind Placebo Controlled Study

Eugenij Shkolnik, Greta Burneikaite, Jelena Celutkienė, Mikhail Scherbak, Gitana Zuoziene, Birute Petrauskiene, Irena Butkuvienė, Ekaterina Trush, Aleksandras Laucevicus, Yury Vasyuk, Yale New Haven Health Bridgeport Hospital, Bridgeport, CT, USA, Vilnius University Hospital, Vilnius, Lithuania

475 - No Reduction in Bleeding Associated With Bivalirudin Use When Compared to Unfractionated Heparin Among Patients With Stable Ischemic Heart Disease Undergoing Percutaneous Coronary Intervention

Morgan Kellogg, Yi-Ling Huang, Todd A. MacKenzie, Bina Ahmed, Matthew Watkins, Patrick Magnus, Jim Flynn, Peter N. Ver Lee, David Malenka, Samip C. Vasaiwala, The Northern New England Cardiovascular Disease Study Group, Maine Medical Center, Portland, ME, USA, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

476 - Early Combination Therapy With Simvastatin and Fenofibrate in Patients With Recent Acute Coronary Syndrome and Diabetes Is Safe and Reliably Reduces Lipoprotein (a) Level Along With Other Lipid Indexes

Olena Koval, Tetiana Pugach, Sergiy Romanenko, Pavlo Kaplan, Anastasiya Skoromna, Dnipropetrovsk State Medical Academy, Dnipro, Ukraine

477 - Utilization of Mechanical Circulatory Support Devices in Chordae Tendinae and Papillary Muscle Rupture Complicating ST-Elevation Myocardial Infarction: Insights From Nationwide Inpatient Sample

Mohit Pahuja, Manmohan Singh, Achint Patel, Kinsuk Chauhan, Tushar Mishra, Tomo Ando, Emmanuel Akintoye, Neha Debnath, Hossam Elhadi, Ahmad Yassin, Ahmad Subahi, Luis Afonso, Wayne State University, Detroit, MI, USA

478 - Rescue Percutaneous Intervention in ST Elevation Myocardial Infarction-Impact of Regional Transfer Delays in the Midland Region: Time Does Matter

Amit Michael, Karl Coley, Madhav Menon, Gerard Devlin, Chris Nunn, Waikato Hospital, Hamilton, New Zealand

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1264

#### Lost in Translation? Part 2

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

479 - Prevalence of Syndrome Z in Patients of Acute Coronary Syndrome and Its Correlation With Angiographic Severity of Coronary Artery Disease

Puneet Gupta, Rishi Sethi, Janakpuri Superspeciality Hospital, New Delhi, India, KGMC, Lucknow, India

480 - Association of GDF11 and Telomere Length With Incident Coronary Outcomes

Oxana Galenko, Richard Cawthon, Stacey Knight, J. Muhlestein, Jeffrey Anderson, John Carlquist, Intermountain Medical Center, Salt Lake City, UT, USA

481 - Visualisation of Human Thrombus Formation in a Translational Model of Deep Coronary Arterial Injury

Jack Andrews, Simon Wilson, Tashfeen Walton, Christophe Lucatelli, Christophe Portal, Ian Wilson, Adriana Tavares, Marc Dweck, David Newby, University of Edinburgh, Edinburgh, United Kingdom, Edinburgh Molecular Imaging, Edinburgh, United Kingdom



482 - Suppressing Immune-Sympathetic Neural Interactions Reduced Cardiac Autonomic Remodeling in a Post-Infarction Canine Model

Yuhong Wang, Lilei Yu, Hao Xia, Hong Jiang, Department of Cardiology, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1234

#### Biventricular and His Bundle Pacing

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

001 - Cardiac Resynchronization Therapy Does Not Benefit Heart Failure Patients With Atrial Fibrillation Without Atrio-Ventricular Junction Ablation: A Meta-Analysis

Jessica Atkins, Usman Mustafa, Desiree Dawson, Pratap Reddy, Paari Dominic, Louisiana State University Health Sciences Center - Shreveport, Shreveport, LA, USA

002 - Long-Term Outcomes of Cardiac Resynchronization Therapy in Asymptomatic Heart Failure Patients

Valentina Kutvifa, Blanca Quesada, Helmut Klein, Yitschak Biton, Scott McNitt, Bronislava Polonsky, Wojciech Zareba, Arthur Moss, Aurelio Quesada, University of Rochester Medical Center, Rochester, NY, USA

003 - Reverse Ventricular Remodeling in Patients With Severe Left Ventricular Dysfunction Following Cardiac Resynchronization Therapy: A Two Center Study

Carolyn Park, David Spragg, John Rickard, Johns Hopkins Hospital, Baltimore, MD, USA, Cleveland Clinic, Cleveland, OH, USA

004 - Comparison Between Cardiac Resynchronization Therapy With and Without Defibrillator on Long-Term Mortality: A Propensity Score Matched Analysis

Yixiu Liang, Yangang Su, Junbo Ge, Department of Cardiology, Zhongshan Hospital, Shanghai, People's Republic of China

005 - Cardiac Resynchronization Therapy in 3D Using Electromechanical Wave Imaging: A Novel Non Invasive Ultrasound-Based Imaging Technique  
Christopher Grubb, Lea Melki, Daniel Y. Wang, James Peacock, Jose Dizon, Hasan Garan, Elisa Konofagou, Elaine Wan, Columbia University Medical Center, Division of Cardiac Electrophysiology, New York, NY, USA, Columbia University, Department of Biomedical Engineering, New York, NY, USA

006 - Clinical Outcomes of Cardiac Resynchronization Therapy With and Without a Defibrillator in Elderly Patients With Heart Failure

Simon Christie, Brett Hiebert, Colette Seifer, Clarence Khoo, University of Manitoba, Winnipeg, Canada, Winnipeg Regional Health Authority, Winnipeg, Canada

007 - What Have We Learned Through 8 Cases of Transseptal Resynchronization: Experience From Our Center

Dan-Andrei Radu, Corneliu Iorgulescu, Bogdan Stefan Nicolae, Alexandrina Nastasa, Deaconu Alexandru Ioan, Radu-Gabriel Vatasescu, Clinical Emergency Hospital of Bucharest, Bucharest, Romania

008 - Association of RV and LV Functional Parameters With Long-Term Clinical Outcomes Post-CRT

Eliany Mejia-Lopez, Kenneth Bilchick, Michael Millard, Benjamin Ruth, Jamie Kennedy, Sula Mazimba, University of Virginia, Charlottesville, VA, USA

009 - The Effect of Cardiac Resynchronization Therapy on Outcomes in Women: A Substudy of the Resynchronization-Defibrillation For Ambulatory Heart Failure Trial

Dominique De Waard, Jaimie Manlucu, Anne Gillis, John Sapp, Anthony Tang, George Wells, Ratika Parkash, Dalhousie University, Halifax, Canada

010 - Reconstitution of Native Intrinsic Conduction in Patients With Several Years of Complete Infranodal Heart Block and Left Bundle Branch Block With Permanent His Bundle Pacing

Fatima Ezzeddine, Joel Simon, Rajeev Singh, Gopi Dandamudi, Krannert Institute of Cardiology, Indianapolis, IN, USA

011 - His Bundle Pacing Results in a Narrower Paced QRS Compared to Bi-Ventricular Pacing For Cardiac Resynchronization Therapy

Nicholas J. Serafini, Nidhi Madan, Estefania Oliveros, Henry Huang, Richard Trohman, Parikshit Sharma, Rush University Medical Center, Chicago, IL, USA

012 - Electroanatomic Guided Biventricular Implantable Cardioverter-Defibrillator Implantation Utilizing Carto 3 and Ensite NavX Mapping Systems For Reduction of Fluoroscopy and Intravenous Contrast Usage

Nicholas Serafini, Parikshit Sharma, Richard Trohman, Henry Huang, Rush University Medical Center, Chicago, IL, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1235

#### Out of Hospital Cardiac Arrest and Channolopathies Associated With Sudden Cardiac Death

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

013 - Association Between Diabetes Mellitus and Poor Patient Outcomes After Out-of-Hospital Cardiac Arrest: A Systematic Review and Meta-Analysis  
Dinesh Voruganti, Michael C. Giudici, Adithya Chennamadhavuni, Rohan Garje, Ghanshyam P. S. Shantha, Marin Schweizer, Saket Girotra, University of Iowa Hospitals, Iowa City, IA, USA

014 - Practice Makes Perfect? The Correlation Between Hospital Volume of Targeted Temperature Management and In-Hospital Mortality Rate: A Nationwide Analysis From 2010 to 2014

Xin Wei, Kevin Gu, Ahmadreza Moradi, Bing Yue, Xiaochuan Yang, Chayakrit Krittanawong, Karan Sud, Mario Rodriguez, Mariam Khandaker, Basera Sabharwal, Eyal Herzog, Mount Sinai St. Luke's West, New York, NY, USA

015 - Prediction Chart For Neurologically Intact Survival After Out-of-Hospital Cardiac Arrest: Evidence From a Japanese Nationwide Population-Based Cohort Study

Akira Funada, Yoshikazu Goto, Masakazu Yamagishi, Kanazawa University Hospital, Kanazawa, Japan

016 - The Trends and Outcomes of Out-of-Hospital Cardiac Arrests in the City of Shreveport, Louisiana

Khagendra Dahal, Neeraj Tandon, Kalgi Modi, Pratap Reddy, LSUHSC, Shreveport, LA, USA, Overton Brooks VA Medical Center, Shreveport, LA, USA

017 - Risk of Diabetes Mellitus on Incidence of Out-of-Hospital Cardiac Arrest and Trends of Outcomes: A 22-Year Observational Study From the Middle East

Ayobami Omosola, Abdulrahman Arabi, Jassim Al Suwaidi, Rajvir Singh, Nidal Asaad, Heart Hospital, Hamad Medical Corporation, Doha, Qatar

018 - Declining In-Hospital Mortality Rates in Women and Men With Diabetes Mellitus Presenting With Out-of-Hospital Cardiac Arrest: A 22-Year Observational Study From the Middle East

Ayobami Omosola, Abdulrahman Arabi, Jassim Al Suwaidi, Rajvir Singh, Awad Alqahtani, Heart Hospital, Hamad Medical Corporation, Doha, Qatar

019 - Intravenous Versus Intraosseous Access For Parenteral Drug Administration in Out-of-Hospital Cardiac Arrest

Purav Mody, Rohan Khera, Nimesh Patel, Pamela Owens, Jarrett Berry, Mark Link, Ahamed Idris, UT Southwestern Medical Center, Dallas, TX, USA



020 - Galectin-3 Independently Predicts the Risk of Early Mortality After Sudden Cardiac Arrest

Wassim Mosleh, Zaid Al-Jebaje, Sahoor Khan, Milind Chaudhari, Tanvi Shah, Charl Khalil, Kevin Frodey, Suraj Dahal, Umesh Sharma, University at Buffalo, Buffalo, NY, USA

021 - Prolonged Pauses in Cardiopulmonary Resuscitation Are Associated With Poor Survival During In-Hospital Cardiac Arrest

John Birchak, Owais Abdul-Kafi, Trinh Pham, Maya Viner, Maria Nehmer, Birju Rao, Amer Ardati, Dustin Fraidenburg, University of Illinois at Chicago, Chicago, IL, USA

022 - Analysis of Nationwide Outcomes and Trends of In-Hospital Cardiac Arrest Between Men and Women

Saman Setareh-Shenas, Di Pan, Basera Sabharwal, Felix Thomas, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's-West Hospital Center, New York, NY, USA

023 - Neurologic Outcome in Patients With Successfully Resuscitated From Out-of-Hospital Cardiac Arrest According to the Timing of Initiating Therapeutic Hypothermia

Jin Sup Park, Pusan National University Hospital, Busan, South Korea

024 - Time to Rewarming After Therapeutic Hypothermia and Outcomes After Cardiac Arrest

Aldo Schenone, Kevin Chen, Haris Riaz, Jose L. Aguilera, Abhijit Duggal, Venu Menon, Cleveland Clinic, Cleveland, OH, USA

025 - Trends in Utilization of Therapeutic Hypothermia and Outcomes of Patients With In-Hospital Cardiac Arrest: A 7-Year Nationwide Analysis

Di Pan, Saman Setareh-Shenas, Basera Sabharwal, Valeria Santibanez, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's-West Hospital Center, New York, NY, USA

026 - SCN5A Mutation Increases the Risk of Major Arrhythmic Events in Brugada Syndrome: Systematic Review and Meta-Analysis

Pattara Rattanawong, Jirat Chenbhanich, Poemlarp Mekraksakit, Wasawat Vutthikraivit, Tanawan Riangwiwat, Pakawat Chongsathidkiet, Eugene H. Chung, University of Hawaii Internal Medicine Residency Program, Honolulu, HI, USA

027 - Hodge's Equation and Other Quantitative Metrics Facilitate Diagnosis of Long QT Syndrome

Nathaniel D. McConkey, Andrew Foy, Gerald Naccarelli, Jason Imundo, Penn State Health Hershey Medical Center, Hershey, PA, USA

028 - Inherited Arrhythmias Specialized Clinic For the Underprivileged: Initial Experience and Challenges

Mohamed Elmaghawry, Mohamed Ahmed, Omnia Kamel, Magdi Yacoub, Aswan Heart Centre, Aswan, Egypt

029 - Clinical and Molecular Features of Eleven Egyptian Families With Autosomal Recessive Long QT Syndrome

Mohamed Elmaghawry, Mohamed Ahmed, Yasmine Aguib, Heba Kassem, Alaa Afify, Omnia Kamel, Magdi Yacoub, Aswan Heart Centre, Aswan, Egypt

030 - Electrocardiographic Selvester Score Is Associated With Sudden and Non-Sudden Cardiac Death: The Atherosclerosis Risk in Communities Study and Cardiovascular Health Study

David M. German, Erick A. Perez-Alday, Aron Bender, Jason Thomas, Christopher Hamilton, Srinu Mukundan, Wendy Post, Scott Solomon, Elsayed Soliman, Nona Sotoodehnia, David Siscovick, Larisa Tereshchenko, Oregon Health and Science University, Portland, OR, USA

032 - QT Interval Prolongation in an Inpatient Population Receiving Antipsychotics

Erika Rincon, Carlos Alberto Miranda, Juan Carlos Rivas, Juliana Galindo, Luis Fernando Zambrano, Ana Maria Rivas, Sandra Milena Ramirez, Mauricio Hernandez, Pablo Perafan, Juan Esteban Gomez Mesa, Hospital Psiquiatrico Universitario del Valle, Cali, Colombia, Fundacion Valle del Lili, Cali, Colombia

033 - The CHA2DS2VASC Score Can Predict Mortality in Patients With Atrial Fibrillation Following Hospitalization For an Acute Myocardial Infarction: Insights From the Worcester Heart Attack Study

Amartya Kundu, Kevin O'Day, Darleen Lessard, Joel Gore, Robert Goldberg, David McManus, University of Massachusetts Medical School, Worcester, MA, USA

034 - Predicting Mortality in Patients With Cancer and Atrial Fibrillation

Alejandra Gutierrez Bernal, Rushad Patell, Lisa Rybicki, Alok A. Khorana, Cleveland Clinic Foundation, Cleveland, OH, USA

035 - Mortality Associated With Calcium Channel Blockers in Heart Failure With Reduced Ejection Fraction: Real World Experience

Lynn Zaremski, Faraj Kargoli, Hanif Waqas, Nurligan Bulcha, Ephraim Leiderman, Dmitriy Nevelev, Jay Chudow, Tina Shah, John D. Fisher, Luigi Di Biase, Andrew Krumerman, Kevin Ferrick, Montefiore Medical Center, Bronx, NY, USA

036 - Thirty Day Readmissions and Pacemaker Implantation Rates For Syncope Insights From United States Nationwide Readmission Database

Venkat Lakshmi Kishan Vuddanda, Naga Sai Shravan Turaga, Zubair Shah, Srikanth Yandrapalli, Mohammad-Ali Jazayeri, Mohit Turagam, Seth Sheldon, Dhanunjaya R. Lakkireddy, Moussa Mansour, Edwin Heist, Harvard Medical School, Boston, MA, USA, Massachusetts General Hospital, Boston, MA, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1236

#### Catheter Ablation: Techniques and Outcomes

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

037 - 'Smoke' Detected on Transesophageal Echocardiography Is a Risk Factor For Stroke in Patients With Atrial Fibrillation Undergoing Catheter Ablation

Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Domenico Giovanni Della Rocca, John Burkhardt, Javier Sanchez, Patrick Hranitzky, Gerald Gallinghouse, Amin Al-Ahmad, Rodney Horton, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

038 - Gender-Specific Variation in Pulmonary Vein Reconnection Rate After Catheter Ablation For Atrial Fibrillation

Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Vivek Bhupathi, Domenico Giovanni Della Rocca, John Burkhardt, Javier Sanchez, Patrick Hranitzky, Gerald Gallinghouse, Amin Al-Ahmad, Rodney Horton, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

039 - Long-Term Mortality Predictors in Ischaemic or Non-Ischaemic Patients Undergoing VT Ablation

Klaudia Vivien Nagy, Nandor Szegedi, Gábor Széplaki, Tamás Tahin, István Osztheimer, Szilvia Herczeg, Zoltán Salló, Bela Merkely, Laszlo Geller, Semmelweis University Heart and Vascular Center, Budapest, Hungary

040 - Etiologies, Trends and Predictors of Early Readmission After Ventricular Tachycardia Ablation: An Analysis of 4,614 Patients

Charan Yerasi, Anil Kumar Jonnalagadda, Byomesh Tripathi, Sandeep Banga, Varun Miryala, Saifuldeen Al-Qaisi, Sina Nafisi, Anantharam Kalya, St. Joseph's Hospital and Medical Center, Phoenix, AZ, USA





041 - Predictors of Utilization, Mortality, and Procedural Complications of Catheter Ablation For Ventricular Tachycardia in Ischemic and Non-Ischemic Patients

Brad Sutton, Kristin Nosova, University of Louisville School of Medicine, Louisville, KY, USA

042 - Safety and Efficacy of Non-Vitamin K Antagonist Oral Anticoagulants Versus Warfarin in Patients Undergoing Atrial Fibrillation Ablation: A Meta-Analysis of Randomized Controlled Trials

Nelson Telles Garcia, Khagendra Dahal, Nachiket Apte, Pratap Reddy, Paari Dominic, Louisiana State University Health Science Center, Shreveport, LA, USA

043 - Adenosine After Left Atrial Appendage Isolation: Acute Results

Carola Gianni, Sanghamitra Mohanty, Chintan Trivedi, Domenico G. Della Rocca, Amin Al-Ahmad, John Burkhardt, G. Gallinghouse, Patrick Hranitzky, Rodney Horton, Javier Sanchez, Luigi Di Biase, Andrea Natale, Claude Elayi, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

044 - Outcomes of Catheter Ablation For Atrial Fibrillation in Patients With Heart Failure and Reduced Ejection Fraction: A Meta-Analysis

Muhammad Khan, Maryam Sheikh, Akram Elgendy, Ahmed N. Mahmoud, University of Florida, Gainesville, FL, USA, University of South Dakota, Sioux Falls, SD, USA

045 - Coronary Calcification on Pre-Ablation Computed Tomography Is Not Associated With Atrial Fibrillation Recurrence Following Ablation

Efsttrios Koutroumpakis, Wafic Itani, Meena Zakher, Benjamin Schwartz, John Espey, Camille Dumas, John Fantauzzi, Elizabeth Rau, David Steckman, Mikhail Torosoff, Albany Medical College, Albany, NY, USA

046 - Impact of Pulmonary Vein Isolation on Hospitalizations in Heart Failure With Preserved Ejection Fraction

Sheng Fu, David Soma, Douglas Gunzler, Catherine Fallick, Ohad Ziv, Case Western Reserve University, Cleveland, OH, USA

### **Congenital Heart Disease - Poster Contributions** **Session #1254**

#### **Life With Congenital Heart Disease**

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

357 - Influence of Institutional Volume on Surgical Quality in Septal

Myectomy For Obstructive Hypertrophic Cardiomyopathy  
Antonio Polanco, Jeremy J. Song, Yuting P. Chiang, Sarah N. Yu, Jonathan Ginns, Yuichi Shimada, Koki Nakanishi, Shepard Weiner, Hiroo Takayama, Columbia University Medical Center, New York, NY, USA, Cornell University Medical Center, New York, NY, USA

358 - Electronic Health Record Associated Stress in Adult Congenital Clinics

Stephen C. Cook, Darcy N. Marckini, Jessica L. Parker, Bennett Samuel, Spectrum Health Helen DeVos Children's Hospital, Grand Rapids, MI, USA

359 - A Quality Improvement Project: Identifying a Mechanism to Improve Health Literacy Among Adults With Congenital Heart Defects

Robert J. Hartman, Emmy Leggett, Deedi Cook, Linda Richardson, Elizabeth Newcombe, Charlie Sang, East Carolina University, Greenville, NC, USA

360 - Systemic Ventricular Strain Is Abnormal in Obese Adults With Congenital Heart Disease

Himanshu Adlakha, Preeti Malik, Rakesh Donthula, Hari Rajagopal, Allen Kan, Ruchika Karnik, Shubhika Srivastava, Rajesh U. Shenoy, Icahn School of Medicine at Mount Sinai, New York, NY, USA

361 - Factors Associated With Increased Exercise in Adults With Congenital Heart Disease

Whitney Osborne, Gene Peir, Brynn Connor, Megan Smith, Ruth Phillippi, Anitha John, Children's National Health System, Washington, DC, USA

362 - Prevalence and Risk Factors of Obstructive Sleep Apnea in Adults With Congenital Heart Disease

Michael Earing, Marc Drake, Jane Sowinski, Emily Reinhardt, Tara Saleska, Lindsey Katzmark, Katie Nolin, Peter Bartz, Scott Cohen, Salil Ginde, Medical College of Wisconsin, Milwaukee, WI, USA, Children's Hospital of Wisconsin, Milwaukee, WI, USA

363 - Outcome of Patients With Turner Syndrome Living in a Rural Versus Urban Setting

Angela T. Yetman, Renee Katz, Jonathan Cramer, Children's Hospital & Medical Center, Omaha, NE, USA

364 - Factors Affecting Pregnancy Outcomes in Women With Congenital Heart Disease: A Single Center Experience

Abhishek Chakraborty, Satinder Sandhu, Jackson Memorial Hospital University of Miami, Miami, FL, USA

### **Congenital Heart Disease - Poster Contributions** **Session #1255**

#### **Outcomes: Tetralogy of Fallot, Ebstein, Fontan and PDA**

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

366 - Identifying Risk Factors For Massive Right Ventricular Dilation in Patients With Repaired Tetralogy of Fallot

Clinton Cochran, Lindsey Gakenheimer-Smith, Sunkyoung Yu, Ray Lowery, Jimmy Lu, Maryam Ghadimi Mahani, Prachi Agarwal, Adam Dorfman, Michigan Medicine: University of Michigan, Ann Arbor, MI, USA

367 - Chronotropic Response Predicts Exercise Performance in Children and Adolescents With Repaired Tetralogy of Fallot

Shivani M. Bhatt, Okan Elci, Stephen Paridon, Elizabeth Goldmuntz, Laura Mercer-Rosa, The Children's Hospital of Philadelphia, Philadelphia, PA, USA

368 - Cardiopulmonary Aerobic Fitness Assessment Comparison by Decade and Age of Primary Repair in Tetralogy of Fallot Patients

Adam Powell, Wayne A. Mays, Clifford Chin, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

369 - Non-Newtonian Behavior Significantly Affects Hemodynamic Efficiency in a Four-Dimensional Flow Magnetic Resonance Fontan Model

Andrew L. Cheng, Niema M. Pahlevan, John C. Wood, Children's Hospital Los Angeles, Los Angeles, CA, USA, University of Southern California, Los Angeles, CA, USA

370 - Sinus Node Dysfunction After Fontan Palliation Is Associated With Reduced Atrial Active Ejection Fraction as Measured by Cardiac MRI

Jerry Michael, Barbara Burkhardt, William Scott, Ilana Zeltser, Franz Gerald Greil, Animesh Tandon, Mohammad Tarique Hussain, University of Texas Southwestern Medical Center and Children's Health, Dallas, TX, USA

371 - Treatment Variation and Its Implication For Severe Fontan-Associated Protein Losing Enteropathy

Jonathan N. Johnson, Sunkyoung Yu, Ray Lowery, Ryan Butts, Chesney Castleberry, Sharon Chen, Erik Edens, Justin Godown, Jeffrey Gossett, Mariska Kemna, Kimberly Lin, Kathleen Simpson, Shawn West, Ivan Wilmot, Kurt Schumacher, University of Michigan, Ann Arbor, MI, USA, Mayo Clinic, Rochester, MN, USA





372 - Amplatzer Vascular Plugs and Amplatzer Duct Occluder II Additional Sizes For Occlusion of Patent Ductus Arteriosus: A Multi-Institutional Study  
Dennis Vanloozen, Juan Pablo Sandoval, Jeffrey Delaney, Carlos Pedra, Zahid Amin, Children's Hospital of Georgia at Augusta University, Augusta, GA, USA

### Heart Failure and Cardiomyopathies - Poster Contributions Session #1237

#### New Pharmacology and Concepts For Heart Failure Care

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

047 - Elamipretide Restores Protein and mRNA Expression Levels of Cardiolipin Synthase-1 in Left Ventricular Myocardium of Dogs With Chronic Heart Failure  
Ramesh C. Gupta, Vinita Singh-Gupta, Kefei Zhang, Jiang Xu, Hani N. Sabbah, Henry Ford Hospital, Detroit, MI, USA

048 - Long-Term Therapy With Elamipretide Normalizes Sirtuin-3 Protein Levels in Isolated Mitochondria of Left Ventricular Myocardium of Dogs With Chronic Heart Failure  
Ramesh C. Gupta, Vinita Singh-Gupta, Kristina Castle, Hani N. Sabbah, Henry Ford Hospital, Detroit, MI, USA

049 - High-Dose Beta-Blockers (BB) and Outcomes in Patients With Heart Failure and Preserved Ejection Fraction (HFpEF) and Heart Rate  $\geq 70$  Beats Per Minute (bpm)  
Phillip Hong Lam, Daniel Dooley, Apostolos Tsimploulis, Helen Sheriff, Charles Faselis, Prakash Deedwania, Gregg C. Fonarow, Ali Ahmed, DC VA Medical Center, Washington, DC, USA, Georgetown University/MedStar Washington Hospital Center, Washington, DC, USA

050 - Association Between Coffee Consumption and Risk of Heart Failure: A Systematic Review and Meta-Analysis  
Chayakrit Krittawong, Hafeez Ul Hassan Virk, Ann Farrell, Mario Roberto Rodriguez Rivera, Bing Yue, Xin Wei, Eelin Wilson, Mariam Khandaker, Ritu Raj Singh, Zhen Wang, Eyal Herzog, Icahn School of Medicine at Mount Sinai, New York, NY, USA, Mount Sinai Heart, New York, NY, USA

051 - Initiation of Loop Diuretic Therapy Is Associated With a Lower Risk of 30-Day All-Cause Readmission in Patients With Heart Failure Not Receiving Diuretics Prior to Hospitalization  
Syed Z. Qamer, Harish Jarrett, Phillip Lam, Helen Sheriff, Cherinne Arundel, Fahad K. Lodhi, Prakash Deedwania, Javed Butler, Gregg C. Fonarow, Ali Ahmed, Veterans Affairs Medical Center, Washington, DC, USA, MedStar Georgetown University Hospital/Washington Hospital Center, Washington, DC, USA

052 - Fewer Deaths or Hospitalizations For Heart Failure Using Hydralazine-Isosorbide Mononitrate Compared to Hydralazine-Isosorbide Dinitrate in Patients With Systolic Heart Failure  
Bradley Peltzer, Tonusri Nag, Yekaterina Kim, Allen Weiss, Salil Kumar, Eric Shulman, J. Julia Shin, Snehal Patel, Omar Saeed, Ulrich Jorde, Daniel Sims, Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY, USA

053 - Effect of Combined Beta-Blocker and Beta-Agonist Use on Clinical Outcomes Among Medicaid Beneficiaries With Coexisting Heart Failure and Asthma  
Demilade Adedinsowo, Junjun Xu, Oluwatosin Omole, Akintunde Akinjoro, Obiora Egbuche, Nicolas Bakinde, Adesoji Oderinde, Anekwe Onwuanyi, Herman Taylor, Mohamad Yamani, Mayo Clinic, Jacksonville, FL, USA, Morehouse School of Medicine, Atlanta, GA, USA

054 - Interleukin-1 Blockade Reduces NT-proBNP Serum Levels in Patients With Stable Heart Failure With Preserved Ejection Fraction

Cory Trankle, Justin Canada, Salvatore Carbone, Leo Buckley, Marco Giuseppe Del Buono, Sanah Christopher, Dinesh Kadariya, Chau Vo, Nayef Abouzaki, Ross Arena, Benjamin Van Tassell, Antonio Abbate, Virginia Commonwealth University, Richmond, VA, USA

055 - Direct Comparison of Ultrafiltration to Pharmacological Decongestion in Heart Failure: A Per-Protocol Analysis of CARRESS-HF  
Spencer Carter, Bradley Bart, Steven Goldsmith, Mark Drazner, Wai Hong Tang, Justin Grodin, University of Texas Southwestern, Dallas, TX, USA, Cleveland Clinic, Cleveland, OH, USA

056 - Outpatient Prescription of Drugs That May Cause or Exacerbate Heart Failure in Patients With a Diagnosis of Systolic Heart Failure  
Paulino Alvarez, Chau Truong, Cecilia Ganduglia Cazaban, University of Iowa, Iowa City, IA, USA, University of Texas, Houston, TX, USA

057 - Interleukin-1 Blockade Improves Left Ventricular Performance in Decompensated Heart Failure Without Increasing Myocardial Work  
Leo F. Buckley, Salvatore Carbone, Cory Trankle, Justin Canada, Michele M. Viscusi, Jessica Regan, Dinesh Kadariya, Hayley Billingsley, Ross Arena, Antonio Abbate, Benjamin Van Tassell, Virginia Commonwealth University, Richmond, VA, USA, University of Illinois at Chicago, Chicago, IL, USA

058 - Natriuretic Peptides as Predictive Biomarkers of Treatment Response in Clinical Trials of Heart Failure  
Muthiah Vaduganathan, Brian Claggett, Milton Packer, John J. V. McMurray, Jean Rouleau, Michael Zile, Karl Swedberg, Scott Solomon, Brigham and Women's Hospital Heart & Vascular Center and Harvard Medical School, Boston, MA, USA

### Heart Failure and Cardiomyopathies - Poster Contributions Session #1238

#### Cardiomyopathies: Assessment and Outcomes

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

059 - Sudden Death in Heart Failure With Preserved Ejection Fraction: A Competing Risks Analysis From the TOPCAT Trial  
Muthiah Vaduganathan, Brian Claggett, Inderjit Anand, Nancy Sweitzer, James Fang, Eileen O'Meara, Sanjiv Jayendra Shah, Sheila Hegde, Akshay Desai, Eldrin Lewis, Jean Rouleau, Bertram Pitt, Marc A. Pfeffer, Scott Solomon, Brigham and Women's Hospital Heart & Vascular Center and Harvard Medical School, Boston, MA, USA

060 - National Trends in the Epidemiology of Hospital Admissions For Acute Myocarditis: Insights From the UK National Health Service  
Amrit Lota, Sadia Fazal, Rebecca Wassall, Pavithra Puvanasingam, Rameen Shakur, Brian Halliday, Upasana Tayal, James Ware, John Cleland, Piers Daubeney, Dudley Pennell, Nick Banner, Saidi Mohiddin, Stuart Cook, Sanjay Prasad, National Heart & Lung Institute, Imperial College London, London, United Kingdom, Cardiovascular Research Centre, Royal Brompton Hospital, London, United Kingdom

061 - Takotsubo Syndrome Classified: Triggers Determine Outcome: Results From the Intertak Registry  
Annahita Sarcon, Christian Templin, Jelena Ghadri, Victoria Cammann, Katharina Ding, Ken Kato, InterTak Investigators, Sebastiano Gili, University of Southern California, Los Angeles, CA, USA, University Hospital Zurich, Zurich, Switzerland

062 - Comprehensive Structural and Functional Assessment For Prediction of Left Ventricular Reverse Remodeling in Non-Ischemic Cardiomyopathy  
Marco Merlo, Marco Masè, Giancarlo Vitrella, Manuel Belgrano, Giorgio Faganello, Marco Gobbo, Marta Gigli, Alessandro Altinier, Pierluigi Lesizza, Giulia Barbati, Federica Ramani, Antonio De Luca, Gaetano Morea, Maria



Assunta Cova, Davide Stolfo, Gianfranco Sinagra, Azienda Sanitaria-Universitaria Integrata of Trieste (ASUITS), Trieste, Italy

063 - The Role of Matrix Metalloproteinases and Tissue Inhibitors of Metalloproteinases in Duchenne Muscular Dystrophy Cardiomyopathy  
Jonathan Soslow, Meng Xu, James C. Slaughter, Kimberly Crum, W. Bryan Burnette, Yan Ru Su, Kelsey Tomasek, David Parra, Larry Markham, Vanderbilt University Medical Center, Nashville, TN, USA

064 - Percent African Genomic Ancestry and LVEF at Presentation in Peripartum Cardiomyopathy  
Dennis M. McNamara, Karen Hanley-Yanez, Indrani Halder, for the IPAC and IMAC Investigators, University of Pittsburgh, Pittsburgh, PA, USA

065 - Percent African Genomic Ancestry and Transplant-Free Survival in African Americans With Recent Onset Non-Ischemic Cardiomyopathy  
Dennis M. McNamara, Karen Hanley-Yanez, Jeffrey Alexis, Richard Sheppard, Daniel Pauly, Indrani Halder, University of Pittsburgh, Pittsburgh, PA, USA

066 - Role of Late Gadolinium Enhancement in the Evaluation of Patients With Cardiac Sarcoidosis: A Meta-Analysis  
Kris Kumar, Arun Kannan, Srinivasa Madhavan, Gurusaravanan Kutti Sridharan, Rajesh Janardhanan, University of Arizona, Tucson, AZ, USA

067 - Obstructive Sleep Apnea Is Associated With Acute Diastolic Heart Failure in a National Inpatient Sample  
Abdullah Sayied Abdullah, George Eigbire, Amr Salama, Abdul Wahab, Richard Alweis, Unity Hospital - Rochester Regional Health, Rochester, NY, USA, Rochester Regional Health, Rochester, NY, USA

068 - Ritonavir-Based Anti-Retroviral Therapy Is Associated With a Lower Ejection Fraction and an Increased Risk For Decompensated Heart Failure and Cardiovascular Mortality Among Persons Living With HIV  
Raza M. Alvi, Anne M. Neilan, Noor Tariq, Magid Awadalla, Dahlia Banerji, Adam Rokicki, Virginia Triant, Markella V. Zanni, Tomas G. Neilan, Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA

069 - Impact of Obstructive Sleep Apnea in Patients Hospitalized For Heart Failure With Preserved Ejection Fraction: A Nationwide Analysis  
Bing Yue, Chayakrit Krittanawong, Xin Wei, Abel Casso Dominguez, Shuyang Fang, Mariam Khandaker, Mike Gorenchtein, Eyal Herzog, Mount Sinai St. Luke's Hospital, New York, NY, USA, Mount Sinai West Hospital, New York, NY, USA

070 - Surgical Management of Nonobstructive Hypertrophic Cardiomyopathy: Clinical Outcome of Myectomy in 94 Patients With Apical HCM  
Anita Nguyen, Hartzell Schaff, Rick A. Nishimura, Jeffrey Geske, Joseph Dearani, Steve Ommen, Mayo Clinic, Rochester, MN, USA

071 - Clinical Outcomes of  $\beta$ -Blocker Therapy in Cocaine-Associated Heart Failure  
Persio Lopez, Adedoyin Akinlonu, Tuoyo Mene-Afejuku, Carissa Dumancas, Mohammed Saeed, Eder Hans Cativo Calderon, Ferdinand Visco, Savi Mushiyeve, Gerald Pekler, New York Medical College and Metropolitan Hospital Center, New York, NY, USA

072 - Strain Imaging in Light-Chain Amyloidosis With Heart Failure and Preserved Ejection Fraction  
Sergio Barros-Gomes, Fletcher Miller, Patricia Pellikka, Angela Dispenzieri, Hector Villarraga, Mayo Clinic, Rochester, MN, USA

073 - Impact of Diabetes on Myocardial Recovery in Women With Peripartum Cardiomyopathy

Neethu Abraham, Esa Davis, Karen Hanley-Yanez, Uri Elkayam, James Fett, Dennis McNamara, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

074 - High Waist Circumference Is Associated With Mortality in Men With Prevalent Heart Failure: The Physicians' Health Study  
Saadia Qazi, Lu Zhang, Jiaying Chen, Senthil Selvaraj, Michael Chuang, Christopher O'Donnell, J. Michael Gaziano, Luc Djousse, Brigham and Women's Hospital, Boston, MA, USA

075 - Amyloidosis Research Consortium Cardiac Amyloidosis Survey: Results From Patients With AL and ATTR Amyloidosis and Their Caregivers  
Isabelle Lousada, Mathew Maurer, Melissa Warner, Spencer Guthrie, Kristen Hsu, Martha Grogan, Amyloidosis Research Consortium, Newton, MA, USA

076 - The Relationship Between Septal Morphologies and Cardiac Fibrosis in Hypertrophic Cardiomyopathy  
Keitaro Akita, Ryoma Fukuoka, Hikaru Tsuruta, Shinsuke Yuasa, Mitsushige Murata, Shigeo Okuda, Masahiro Jinzaki, Keiichi Fukuda, Yuichiro Maekawa, Hamamatsu University School of Medicine, Hamamatsu, Japan, Keio University School of Medicine, Tokyo, Japan

077 - Obstructive Hypertrophic Cardiomyopathy With Mild Phenotype: A Novel Subgroup of Patients Amenable to Surgical Myectomy  
Ethan Rowin, Barry J. Maron, Aalap Chokshi, Muhil Kannappan, Knarik Arkun, Hassan Rastegar, Martin Maron, Tufts Medical Center, Boston, MA, USA

078 - Utility and Safety of Cardiopulmonary Exercise Testing in Hypertrophic Cardiomyopathy Patients  
June Tome, Jennifer Bragg-Gresham, Sharlene Day, Sara Saberi, University of Michigan School of Medicine, Ann Arbor, MI, USA

079 - Contemporary Outcomes of Pediatric Restrictive Cardiomyopathy With Aggressive Medical Therapy  
Samuel George Wittekind, Thomas Ryan, Zhiqian Gao, Farhan Zafar, Clifford W. Chin, Tricia A. Hengehold, John Jefferies, Cincinnati Children's, Cincinnati, OH, USA

080 - A Reappraisal of the Epidemiology of Dilated and Hypertrophic Cardiomyopathy in Olmsted County, Minnesota  
Akil Sherif, Anwar Chahal, Praise Anene, Keerthi Jaliparthi, Christopher Scott, Alanna Chamberlain, Virend Somers, Bernard Gersh, Peter A. Brady, Mayo Clinic, Rochester, MN, USA

081 - Blinded Late Gadolinium Enhancement Quantification of Age Matched Adolescent and Young Adult Becker and Duchenne Muscular Dystrophy Cardiomyopathy  
Pace Johnston, Linda Cripe, Kan Hor, Nationwide Children's Hospital, Columbus, OH, USA

082 - Reversing LMNA Mutation Phenotype in Cardiomyocytes With Olmesartan: Connecting Monogenic Disease to Drugs Via Transcriptional Signatures  
Eric Kort, Nazish Sayed, Joseph Wu, Stefan Jovinge, DeVos Cardiovascular Research Program, Spectrum Health and Van Andel Institute, Grand Rapids, MI, USA, Cardiovascular Institute, Stanford University, Stanford, MI, USA

083 - Self-Reported Functional Capacity by DASI and KCCQ Are Poorly Associated With Objective Measures on Cardiometabolic Stress Testing in Patients With Hypertrophic Cardiomyopathy  
Albree Tower-Rader, Brian Griffin, Milind Desai, Harry Lever, Maran Thamilarasan, Zoran Popovic, L. Leonardo Rodriguez, Richard Grimm, Rory Hachamovitch, Cleveland Clinic Foundation, Cleveland, OH, USA

084 - Automated Identification of Sudden Death Risk Phenotypes From Electronic Health Records of Patients With Hypertrophic Cardiomyopathy



Sungrim Moon, Sujith Samudrala, Sijia Liu, Jane L. Shellum, Steve Ommen, Rick A. Nishimura, Hongfang Liu, Adelaide Arruda-Olson, Mayo Clinic, Rochester, MN, USA

085 - Recurrent Takotsubo Syndrome: Frequency, Patient Profile, and Outcomes

Dawn R. Witt, Darlington Nwaudu, Ross Garberich, Barry J. Maron, Scott Sharkey, Minneapolis Heart Institute Foundation at Abbott Northwestern Hospital, Minneapolis, MN, USA

086 - Different Contribution of Sarcomere and Mitochondria Related Gene Mutations to Hypertrophic Cardiomyopathy

Hyemoo Chung, Jong-Youn Kim, Pil-Ki Min, Young Won Yoon, Byoung Kwon Lee, Bum-Kee Hong, Se-Joong Rim, Hyuck Moon Kwon, Eui-Young Choi, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea, Kyung Hee University Hospital, Seoul, South Korea

087 - The Impact of Brain Atrophy in the Young Patient With Severe Heart Failure

Haruki Sekiguchi, Takanori Kawamoto, Atsushi Suzuki, Tsuyoshi Shiga, Nobuhisa Hagiwara, Institute of Cardiology, Tokyo Women's Medical University, Tokyo, Japan, National Hospital Organization, Yokohama Medical Center, Yokohama, Japan

088 - Increased Clinical and Financial Burden of Heart Failure Hospitalizations in Patients With Rheumatoid Arthritis: Insights From the National Inpatient Sample

Aditya A. Joshi, Joseph Lerman, Tsion Abera, Amit Dey, Tarun Sharma, Mario Castagnaro, Maria Patarroyo, Srinivas Murali, Raymond Benza, Amresh Raina, Allegheny General Hospital, Pittsburgh, PA, USA

089 - The Effect of Influenza Vaccination on Mortality and Hospitalization in Patients With Heart Failure: A Meta-Analysis

Hidekatsu Fukuta, Nobuyuki Ohte, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

090 - Outcomes of Hypertrophic Cardiomyopathy in a Multi Ethnic Society  
Alex Weixian Tan, Shaw Yang Chia, Keng Keat Gilbert Soh, Yiliang Zheng, Hak Chiaw Tang, National Heart Centre Singapore, Singapore, Singapore

091 - Racial Differences in Clinical Course and Outcome of Patients With Hypertrophic Cardiomyopathy

Sophie B. Wells, Ethan Rowin, Viraj Bhatt, Martin Maron, Barry J. Maron, Hypertrophic Cardiomyopathy Institute, Tufts Medical Center, Boston, MA, USA, Chanin T. Mast Hypertrophic Cardiomyopathy Center, Morristown Medical Center, Morristown, NJ, USA

092 - Prevalence of Acute Venous Thromboembolism in Patients Admitted With Heart Failure in the United States: Analysis From National Inpatient Sample 2004-2013

Sijan Basnet, Rashmi Dhital, Dilli R. Poudel, Anthony Donato, Reading Health System, West Reading, PA, USA

093 - Compensatory Mechanisms Maintaining Cardiac Function in HCM Subjects: Relationship Between Semi Quantitative Myocardial Fibrosis Volume on CMR and Left Ventricular Ejection Fraction, Strain, Wall Thickening and Size on TTE

Nobusada Funabashi, Koya Ozawa, Hiroyuki Takaoka, Gentaro Koyama, Yoshio Kobayashi, Department of Cardiology, Chiba University, Chiba, Japan

094 - HIV Infection Is Associated With Increased Left Ventricular Mass in the Multicenter AIDS Cohort Study (MACS)

Elizabeth Hutchins, Ruibin Wang, Sina Rahmani, Rine Nakanishi, Mallory Witt, Lawrence Kingsley, Sabina Haberen, Lisa Jacobson, Frank Palella, Matthew

Budoff, Wendy Post, Los Angeles Biomedical Institute, Torrance, CA, USA, Johns Hopkins University School of Medicine, Baltimore, MD, USA

095 - Obesity Does Not Prolong Length of Stay in Heart Failure Admissions: A Co-Morbidity Matched Analyses From a United States National Database  
Olatunde Oladipupo Ola, Odunayo Olorunfemi, Oladimeji Akinboro, Amole Ojo, Rebecca Ojo, Gbolahan Ogunbayo, Mayo Clinic Health System, LaCrosse, WI, USA

096 - The Relationship Between Left Atrial Measurements and Cavity Pressure: A Systematic Review and Meta-Analysis

Ibadete Bytyci, Gani Bajraktari, Pranvera Ibrahim, Per Lindqvist, Michael Henein, Clinic of Cardiology, Prishtina, Albania, Umea University, Umea, Sweden

097 - Left Atrial Dynamics During Exercise in Heart Failure With Reduced, Mid-Range, and Preserved Ejection Fraction: Insights From Exercise Echocardiography Combined With Gas Exchange Analysis

Tadafumi Sugimoto, Francesco Bandera, Greta Generati, Eleonora Alfonzetti, Marco Guazzi, IRCCS Policlinico San Donato, Milano, Italy

098 - Atrial Remodeling Impairs Cardiac Reserve in Patients With HFrEF and Atrial Fibrillation by Increasing Pericardial Restraint

Yogesh N. V. Reddy, Masaru Obokata, Barry Borlaug, Mayo Clinic, Rochester, MN, USA

099 - The Impact of Left Atrial Function and Sinus Rhythm on Exercise Hemodynamics in Heart Failure With Preserved Ejection Fraction

Yogesh N. V. Reddy, Masaru Obokata, Barry Borlaug, Mayo Clinic, Rochester, MN, USA

100 - Resting Echocardiographic Diastolic Measures Fail to Predict Occult Diastolic Dysfunction After Right Heart Catheterization With Fluid Challenge  
Vineet Agrawal, Ivan Robbins, Tufik Assad, John M. Newman, Meredith Pugh, Anna Hemnes, Evan Brittain, Vanderbilt University Medical Center, Nashville, TN, USA

101 - Mechanisms of Left Ventricular Thrombus Formation in Heart Failure With Reduced Ejection Fraction: Novel Insights From 2D Speckle-Tracking Echocardiography

Dhruv Chawla, Laura Johnson, Tadele Mengesha, Vinay Thohan, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

102 - Development of Right Ventricular Dysfunction Is Common and Associated With Increased Mortality in HFrEF

Masaru Obokata, Yogesh Reddy, Barry Borlaug, Mayo Clinic, Rochester, MN, USA

103 - Smoking and Outcomes in Older Patients With Heart Failure and Preserved Ejection Fraction (HFpEF)

Amiya Ahmed, Evangelos I. Kanonidis, Markus Anker, Apostolos Tsimploulis, Phillip H. Lam, Helen Sheriff, Prakash Deedwania, Wilbert Aronow, Gregg C. Fonarow, Ali Ahmed, Washington DC VA Medical Center, Washington, DC, USA, University of Maryland School of Medicine, Baltimore, MD, USA

104 - Associations of Systolic Blood Pressure (SBP) <120 (Versus 120-139) mmHg With Outcomes in Patients With Heart Failure and Preserved Ejection Fraction (HFpEF) Without Hypertension (HTN)

Poonam Bhyan, Phillip Lam, Apostolos Tsimploulis, Helen Sheriff, Charles Faselis, Prakash Deedwania, Wilbert Aronow, Gregg C. Fonarow, Ali Ahmed, Washington DC VA Medical Center, Washington, DC, USA

105 - Use of Drugs With Blood Pressure (BP) Lowering Properties and Outcomes in Patients With Heart Failure and Preserved Ejection Fraction (HFpEF) and Low Systolic BP (SBP)



Apostolos Tsimploulis, Phillip Lam, Amiya Ahmed, Helen Sheriff, Charles Faselis, Charity Morgan, Gregg C. Fonarow, Ali Ahmed, Veterans Affairs Medical Center, Washington, DC, USA, Georgetown University Hospital/Washington Hospital Center, Washington, DC, USA

106 - Prior Heart Failure (HF) Hospitalization and 30-Day and 1-Year Outcomes in Patients With HF and Preserved Ejection Fraction (HFpEF)  
Lakshmi Suma Tummala, Fahad Lodhi, Helen Sheriff, Cherinne Arundel, Phillip Lam, Steven Singh, Charles Faselis, Prakash Deedwania, Gregg C. Fonarow, Ali Ahmed, DC VA Medical Center, Washington, DC, USA

107 - Prediction of Cardiac Mechanical Relaxation Abnormalities From Surface ECG Wavelets: Replication in Two Cohorts  
Marton Tokodi, Hemant Kulkarni, Lan Hu, Ali Hama Amin, Muhammad Ashraf, Grace Casaclang-Verzosa, Partho P. Sengupta, WVU Heart & Vascular Institute, Morgantown, WV, USA

108 - Persistence of Periodic Breathing/Cheyne-Stokes Respiration After Tilt Table Test During Short Term Respiratory Monitoring in Patients With Systolic Heart Failure  
Chiara Borrelli, Francesco Gentile, Federico Rossari, Paolo Sciarrone, Claudio Passino, Gianluca Mirizzi, Francesca Bramanti, Giovanni Iudice, Michele Emdin, Alberto Giannoni, Sant'Anna School of Advanced Studies, Pisa, Italy, Fondazione Toscana Gabriele Monasterio, Pisa, Italy

109 - Right Ventricular Functional and Structural Changes Mirror Those of the Left Ventricle in Heart Failure With Preserved Ejection Fraction  
Karl-Philipp Rommel, Christian Besler, Maximilian Von Roeder, Stephan Blazek, Karl Fengler, Karin Klingel, Holger Thiele, Volker Adams, Philipp Lurz, University Heart Center Leipzig, Leipzig, Germany

110 - Days Alive and Outside of Hospital Is Greater Among Patients With Transthyretin Cardiac Amyloidosis Compared to Light Chain Cardiac Amyloidosis After Initial Hospitalization  
Jonah Rubin, Sergio Teruya, Stephen Helmke, Julissa Alvarez, Mathew Maurer, Columbia University Medical Center, New York, NY, USA

### Interventional Cardiology - Poster Contributions Session #1243

#### Interventional Cardiology: Aortic, Mitral and Structural Heart Disease

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

223 - Percutaneous Peripheral Cardiopulmonary Bypass For Transfemoral TAVR Patients With Severely Depressed Ejection Fraction Without General Anesthesia  
Matthew Cauchi, Joseph Rowe, Jason Foerst, Carilion Clinic, Roanoke, VA, USA

224 - Dual- Versus Mono-Antiplatelet Therapy in Patients Undergoing TAVR: A Meta-Analysis of Randomized Controlled Trials and Observational Studies  
Shadi Al Halabi, Joshua Newman, Michael E. Farkouh, David Fortuin, Ferdinand Leya, John Sweeney, John Webb, John Lopez, Lowell Steen, Bruce Lewis, Amir Darki, Verghese Mathew, Loyola University Medical Centre, Maywood, IL, USA

225 - Analysis of the Initial United States Experience With the BioTrace Tempo Temporary Pacing Lead in Transcatheter Aortic Valve Replacement (TAVR) and Other Cardiac Procedures  
Tamim Nazif, Carlos Sanchez, Brian Whisenant, John Forrest, Steven J. Yakubov, Paul Grossman, Arash Arshi, Daniel Menees, Juan Terre, James Orford, Martin B. Leon, Susheel K. Kodali, Stanley Chetcuti, Columbia University, New York, NY, USA

226 - A Contemporary Analysis of Transfemoral Aortic Valve Replacement For Bicuspid Aortic Stenosis

Manuel Rivera, Leonardo Mees Knijnik, Rhanderson Cardoso, Gilson Costa Fernandes Filho, Amanda D. F. Fernandes, University of Miami Miller School of Medicine, Miami, FL, USA

227 - Comparison of Percutaneous Patent Foramen Ovale Closure and Medical Therapy For Secondary Prevention of Cryptogenic Stroke: A Meta-Analysis  
Manuel Rivera, Andrew Panakos, Kunal Kapoor, Gilson Fernandes, Gerardo Zablah, Rhanderson Cardoso, Leonardo Kijnik, Eduardo De Marchena, University of Miami Miller School of Medicine, Miami, FL, USA

228 - Left Ventricular End-Diastolic Pressure After Transcatheter Aortic Valve Replacement Is a Predictor of 30 Days Re-Admission Due to Heart Failure  
Nobuyasu Ito, Makoto Amaki, Hideaki Kanzaki, Atsushi Okada, Yasuhiro Hamatani, Hiroyuki Takahama, Takuya Hasegawa, Yasuo Sugano, Kizuku Yamashita, Yuta Kume, Yusuke Shimahara, Tomoyuki Fujita, Satoshi Yasuda, Toshihisa Anzai, Junjiro Kobayashi, National Cerebral and Cardiovascular Center, Suita, Japan

229 - Correlation of Aortic Valve Annular Plane Assessment by Pre-Procedural Computed Tomography Versus On-Table 3-Dimensional Rotational Angiography  
Ivan P. Casserly, Sean Murphy, Ciara Malone, Richard Tanner, Ronan Margey, Catherine McGorrian, Declan Sugrue, Andrew Roy, Mater Misericordiae University Hospital, Dublin, Ireland, Mater Private Hospital, Dublin, Ireland

230 - Stroke Rates in Various Antiplatelet and Anticoagulant Regimens Following Transcatheter Aortic Valve Replacement  
Sarah Gorgis, Elsheikh Abdelrahim, Dee Dee Wang, Janet Fredal Wyman, Gaetano Paone, Adam Greenbaum, Brad Kendall, William W. O'Neill, Marvin Eng, Henry Ford Hospital, Detroit, MI, USA, Wayne State University, Detroit, MI, USA

232 - Outcomes of Acute Ischemic Stroke After TAVR: Potential Impact of Embolic Protection  
Mohamad Adnan Alkhoul, Fahad Alqahtani, Partho Sengupta, Lawrence Wei, Paul McCarthy, Vinay Badhwar, West Virginia University, Morgantown, WV, USA

233 - Changes in CT-Derived Aortomitral Annular Angle After Transcatheter Aortic Valve Replacement: Implications For Transcatheter Mitral Valve Replacement?  
Gilbert Hin-Lung Tang, Medha Biswas, Syed Zaid, Hasan Ahmad, Ryan Kaple, Cenap Undemir, Martin Cohen, Steven Lansman, Mount Sinai Health System, New York, NY, USA, Westchester Medical Center, Valhalla, NY, USA

234 - Changes in Aortomitral Annular Angle After Transcatheter Aortic Valve Replacement: Implications For Transcatheter Mitral Valve Replacement?  
Gilbert Hin-Lung Tang, Mohammed Hasan Khan, Syed Zaid, Abdallah Sanaani, Tanya Dutta, Mala Sharma, Angelica Poniros, Hasan Ahmad, Ryan Kaple, Cenap Undemir, Martin Cohen, Steven Lansman, Mount Sinai Health System, New York, NY, USA, Westchester Medical Center, Valhalla, NY, USA

### Interventional Cardiology - Poster Contributions Session #1244

#### Intravascular Imaging in Complex Lesion Subsets

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

235 - Assessment of Proximal Left Anterior Descending Artery Size by Intravascular Ultrasound For Optimal Stent Sizing  
Evan Shlofmitz, Mitsuaki Matsumura, Gary Mintz, Cheolmin Lee, Masaru Ishida, Akiko Fujino, Rafal Wolny, Yuqi Fan, Masahiro Hoshino, Eisuke Usui,





Yoshihisa Kanaji, Tadashi Murai, Taishi Yonetsu, Ziad Ali, Gregg Stone, Jeffrey Moses, Tsunekazu Kakuta, Akiko Maehara, Cardiovascular Research Foundation, New York, NY, USA, Columbia University Medical Center, New York, NY, USA

236 - Prevalence of Neoatherosclerosis in Sirolimus-Eluting Stents at Very Late Phase From Implantation

Eisuke Usui, Taishi Yonetsu, Yoshinori Kanno, Rikuta Hamaya, Tadashi Fukuda, Hiroaki Ohya, Yohei Sumino, Masahiro Hada, Masao Yamaguchi, Masahiro Hoshino, Yoshihisa Kanaji, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

237 - Characteristics and Distribution of Calcium in the Distal Left Main Bifurcation Assessed by Optical Coherence Tomography

Song-Yi Kim, Gary Mintz, Masaru Ishida, Mitsuki Matsumura, Alec Goldberg, Allen Jeremias, Ziad Ali, Jane Cao, John Tang, Fernando Sosa, Jeffrey Moses, Elizabeth Haag, Richard Shlofmitz, Akiko Maehara, Cardiovascular Research Foundation, New York, NY, USA, Jeju National University Hospital, Jeju, South Korea

238 - Evaluation of Flow Dynamics in Bifurcations by Fusion of 3-Dimensional Angiography and Two-Vessel Optical Coherence Tomography

Antonios Karanasos, Konstantinos Toutouzas, Ioannis Andrikos, Antonis Sakellarios, Panagiotis Siogkas, George Rigas, Themis Exarchos, Andreas Synetos, George Latsios, Eleftherios Tsiamis, Lampros Michalis, Dimitris Fotiadis, Dimitris Tousoulis, Hippokraton Hospital, University of Athens, Athens, Greece, University of Ioannina, Unit of Medical Technology and Intelligent Information Systems, Ioannina, Greece

240 - Influence of Concomitant Chronic Total Occlusion and Collateral Flow on Single Cutoff Instantaneous Wave-Free Ratio on Intermediate Coronary Lesions: Results From a Single-Center Registry

Shunsuke Aoi, Neil Patel, Bora Toklu, Wonkyoung Lee, John Fox, Yumiko Kanei, Mount Sinai Beth Israel, New York, NY, USA

241 - A Correlative Study of NIRS Lipid Core Burden Index Versus Histological Plaque Disease Arc in Human Coronary Autopsy Specimens

Stephanie Grainger, Jimmy Su, Cherry Greiner, Matthew Saybolt, William Pickering, Robert Wilensky, Sean Madden, Infraredx, Inc., Burlington, MA, USA, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

242 - Determinants and Clinical Implication of Post Procedural Fractional Flow Reserve as a Predictor of Major Adverse Cardiac Events in Patients

Masahiro Hoshino, Taishi Yonetsu, Yoshihisa Kanaji, Eisuke Usui, Hiroaki Ohya, Yohei Sumino, Masahiro Hada, Rikuta Hamaya, Tetsumin Lee, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura-Shi, Japan

### Interventional Cardiology - Poster Contributions

#### Session #1245

#### Complications After Myocardial Infarction and Percutaneous Coronary Interventions

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

243 - The Clinical Outcomes of Drug-Eluting Stent Versus Bare Metal Stent in the Treatment of Saphenous Vein Graft Lesion: An Updated Meta-Analysis of Randomized Clinical Trials

Babikir Kheiri, Mohammed Osman, Ahmed Abdalla, Sahar Ahmed, Mustafa Hassan, Ghassan Bachuwa, Hurley Medical Center and Michigan State University, Flint, MI, USA

244 - Prognostic Factors of Extracorporeal Membrane Oxygenator Therapy For Refractory Cardiogenic Shock or Cardiac Arrest in Acute Myocardial Infarction

Ki-Hyun Jeon, Pil Sang Song, Min-Jung Kim, Kyung-Hee Kim, Ji-Bak Kim, Ho-Jun Jang, Je Sang Kim, Tae Hoon Kim, Hyunjong Lee, Jin-Sik Park, Young Jin Choi, Myoung-Mook Lee, Rak Kyeong Choi, Mediplex Sejong Hospital, Incheon, South Korea

245 - Cutoff Value of the Sheath-to-Artery Ratio For Radial Artery Occlusion in Patients Undergoing Transradial Percutaneous Coronary Interventions Using Sheathless Guiding Catheters For Acute Coronary Syndrome

Tsuyoshi Isawa, Kazunori Horie, Naoto Inoue, Sendai Kousei Hospital, Sendai City, Japan

246 - Measurement of Left End Diastolic Pressure Improves Prognostic Utility of Global Registry of Acute Coronary Events Score in Patients With ST Segment Elevation Myocardial Infarction

Daiga Saito, Takanori Ikeda, Mikihiro Toda, Hideo Amano, Rine Nakanishi, Ryo Okubo, Ippei Watanabe, Takayuki Yabe, Toho University, Tokyo, Japan

247 - Myocardial Infarction in Hospitalized Patients With Cancer

Zachary Giesen, Malachy Sullivan, Anthony Gemignani, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

248 - Fragmented QRS and Mortality in Patients Undergoing Percutaneous Intervention For ST Elevation Myocardial Infarction: A Systematic Review and Meta-Analysis

Pattara Rattanawong, Wasawat Vutthikraivit, Nath Limpruttidham, Narut Prasitlumkum, Tanawan Riangwiwat, Pakawat Chongsathidkiet, University of Hawaii Internal Medicine Residency Program, Honolulu, HI, USA

249 - Nationwide Hospital Outcomes of Timed Percutaneous Coronary Intervention in Octogenarians

Armaghan Y. Soomro, Saqib Abbasi, Tahir Khan, Muhammad Rehan Raza, Victoria Teslova, Ruben Kandov, Gregory Maniatis, James Lafferty, Cindy Grines, Hofstra Northwell School of Medicine-Northwell Health, Staten Island, NY, USA, Hofstra Northwell School of Medicine-Northwell Health, Manhasset, NY, USA

250 - Mechanical Circulatory Support by Veno-Arterial Extracorporeal Membrane Oxygenation or Impella CP in a Porcine Model of Profound Cardiogenic Shock: Impact on Left Ventricular Unloading and End Organ Perfusion

Ole Kristian Møller-Helgestad, Janus Adler Hyldebrandt, Nanna Louise Junker Udesen, Ann Banke, Charlotte Svejstrup Rud, Louise Linde, Lisette Jensen, Henrik Schmidt, Hanne Berg Ravn, Jacob Møller, Odense University Hospital, Odense C, Denmark

251 - Trends in Myocardial Infarction Without Obstructive Atherosclerotic Coronary Artery Disease: Single Center Analysis From Northern New England

Farman Ullah Khan, Anna Fretz, Amy Huang, Sheila Conley, Bina Ahmed, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

252 - Mortality and Clinical Outcomes After Fibrinolysis in a Population With ST-Segment Elevation Myocardial Infarction: A Contemporary Study of the Timing of Coronary Interventions After Fibrinolysis in a Rural Population

Kristy Webster, Danette Flint, Sheila Conley, Nathaniel Niles, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

253 - Early Readmissions After Revascularization in Patients Presenting With Non-ST Elevation Myocardial Infarction

Robin Jacob, Pimprapa Vejpongsa, Kassra Poosti, Viraj Bhise, Yelin Zhao, Salman Arain, Prakash Balan, Konstantinos Charitakis, Mohammad Madjid, Nils Johnson, H. Vernon Anderson, Richard Smalling, Abhijeet Dhole, University of Texas McGovern School of Medicine, Houston, TX, USA





255 - Regional Disparities and National Trends in Mortality Rates among Cardiac Arrest Patients Managed With Extracorporeal Membrane Oxygenation

Ayush Arora, Adamantios Tsangaris, Akhtar Amin, David Song, Pratik Agrawal, Richard Hajjar, Mirela Feurdean, Alfonso Waller, James Maher, Rutgers New Jersey Medical School, Newark, NJ, USA

256 - Use of Protek Duo Tandem Heart For Percutaneous Right Ventricular Support in Various Clinical Settings: A Case Series

Charles D. Nicolais, Manish Suryapalam, Brian O'Murchu, Riyaz Bashir, Brian P. O'Neill, Rene Alvarez, Paul Forfia, Anjali Vaidya, Jesus Gomez-Abraham, Eman Hamad, Vikas Aggarwal, Temple University Hospital, Philadelphia, PA, USA

257 - Mortality in Patients With Out-of-Hospital Cardiac Arrest Undergoing a Standardised Protocol Including Therapeutic Hypothermia

Andreas Schaefer, Florian Zauner, Jan-Thorben Sieweke, Joern Tongers, L. Christian Napp, Jens Treptau, Ulrike Flierl, Johann Bauersachs, Hannover Medical School, Hannover, Germany

258 - Coronary Flow Impairment in Dominant Coronary Atrial Branches in ST-Elevation Myocardial Infarction Patients and Atrial Arrhythmias at One-Year Follow-Up

Jose Manuel Montero, Rachid Abou, Laurien Goedemans, Martin Schalij, Jeroen J. Bax, Victoria Delgado, Leiden University Medical Center, Leiden, The Netherlands

260 - Impact of a Comprehensive System Improvement on Time to Reperfusion in Patients With In-Hospital STEMI

Chetan Huded, Kathleen Kravitz, Deborah Brosovic, Scott Hantz, Samir Kapadia, Stephen Ellis, Venu Menon, Umesh Khot, Cleveland Clinic, Cleveland, OH, USA

261 - Right Ventricle Dysfunction Predicts Cardiogenic Shock in Patients With Acute Coronary Syndrome

Abdulfattah Saidi, Elizabeth Dranow, Gregory Stoddard, James Fang, Omar Wever-Pinzon, Brigham Smith, Anu Abraham, Stavros Drakos, Homam Ibrahim, Anwar Tandar, Rhet Bennion, Prem Senthilkumar, Teshia Sorensen, Josef Stehlik, Frederick Welt, Theophilus Owan, University of Utah, Salt Lake City, UT, USA

262 - Outcomes of Cardiac Cath/PCI in Patients With AF: Insights From the ORBIT II Registry

Matthew William Sherwood, Jonathan Piccini, DaJuanicia Holmes, Karen Pieper, Gregg C. Fonarow, Peter Kowey, Bernard Gersh, Kenneth Mahaffey, Eric D. Peterson, Sunil V. Rao, Inova Heart and Vascular Institute, Falls Church, VA, USA, Duke Clinical Research Institute, Durham, NC, USA

264 - Novel Use of Digitally Integrated Map Software and Traffic Congestion Data to Improve First Medical Contact to Device Time For STEMI

Justin Cole, Richard Beare, Thanh Phan, Velandai Srikanth, Andrew MacIsaac, David Tong, Christianne Tan, Padeepa Perera, Susan Yee, Jesslyn Ho, Jamie Layland, Peninsula Health Heart Service, Melbourne, Australia, Peninsula Clinical School, Monash University, Melbourne, Australia

265 - Vasoactive Agent Use Prior to Acute Mechanical Circulatory Support For Cardiogenic Shock Is Associated With End Organ Dysfunction and Mortality

Kevin Morine, Michele Esposito, Shiva Annamalai, Robert Pedicini, Lena Jorde, Kyle Gobeil, Jaime Hernandez Montfort, Navin Kapur, Tufts Medical Center, Boston, MA, USA, Baystate Medical Center, Springfield, MA, USA

266 - Short-Term Versus Long-Term Dual Antiplatelet Therapy After Drug-Eluting Stent Implantation in Elderly Patients: A Meta-Analysis of Individual Participant Data From Six Randomized Trials

Seung-Yul Lee, Myeong-Ki Hong, Tullio Palmerini, Hyo-Soo Kim, Marco Valgimigli, Fausto Feres, Antonio Colombo, Martine Gilard, Dong-Ho Shin, Jung-Sun Kim, Byeong-Keuk Kim, Young-Guk Ko, Donghoon Choi, Yangsoo Jang, Gregg Stone, Sanbon Hospital, Gunpo, South Korea

### Interventional Cardiology - Poster Contributions Session #1246

#### TAVR and Complex Patient Subsets

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

267 - Characteristics and Clinical Outcomes in Patients With Prior Chest Radiation Undergoing TAVR: Observations From the PARTNER 2 Trial and Registries

Bibhu D. Mohanty, Megan Coylewright, Yangbo Liu, Shawn X. Li, Michael Fradley, Maria Alu, Michael J. Mack, Samir Kapadia, Susheel K. Kodali, Vinod H. Thourani, Raj Makkar, Martin B. Leon, David Malenka, University of South Florida, Tampa, FL, USA, Geisel School of Medicine at Dartmouth, Lebanon, NH, USA

268 - Staged Robotically-Assisted MIDCAB and TAVR For Treatment of Concomitant Severe Aortic Stenosis and Complex Coronary Artery Disease: Single-Center Experience

Chad Kliger, Nirav Patel, Jacob Scheinerman, Derek Brinster, Jonathan Hemli, Dillon Weiss, Somsupha Kanjanathai, Efstathia Mihelis, Luigi Pirelli, Lenox Hill Heart and Vascular Institution, Northwell Health, New York, NY, USA

269 - Utilization of Dobutamine Stress Studies in Patients With Symptomatic, Severe Low-Flow/Low-Gradient Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement

Mohsin Chowdhury, Maria Trejo, Bernardo Lombo, John Forrest, Ben Lin, Lissa Sugeng, Yale University School of Medicine, New Haven, CT, USA, Yale New Haven Hospital, New Haven, CT, USA

270 - Impact of Coronary Artery Revascularization Completeness on Outcomes of Patients With Coronary Artery Disease Undergoing Transcatheter Aortic Valve Replacement: A Meta-Analysis of Studies Using the Residual SYNTAX Score

Guy Witberg, Oren Zusman, Pablo Codner, Abid Assali, Ran Kornowski, Rabin Medical Center, Petah Tikva, Israel, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

271 - Percutaneous Coronary Intervention Is Safe Prior Transcatheter Aortic Valve Replacement

Maekal Elyasi, Vikashsingh P. Rambhujun, Giorgio A. Medranda, Paul J. Sapia, Shahidul Islam, Stephen Green, Winthrop University Hospital, Mineola, NY, USA

272 - Implications of Concomitant Tricuspid Regurgitation in Patients Undergoing Transcatheter Aortic Valve Implantation For Degenerated Surgical Aortic Bioprosthesis: Insights From Partner 2 Aortic Valve-in-Valve Registry

Janarthanan Sathananthan, Dale J. Murdoch, Brian R. Lindman, Alan Zajarias, Wael Jaber, Paul Cremer, David Wood, Anson Cheung, Jian Ye, Rebecca T. Hahn, Aaron Crowley, Martin B. Leon, Michael J. Mack, John G. Webb, Centre for Heart Valve Innovation, St. Paul's Hospital, Vancouver, Canada

273 - Aortic Root Enlargement in Redo Aortic Valve Replacement With Predicted Patient-Prosthesis Mismatch

Vincent Chauvette, Mario Senechal, Vincent Barrette, Pierre Voisine, Institut Universitaire de Cardiologie et de Pneumologie de Québec, Quebec, Canada

274 - Clinical Impact of Atrial Fibrillation Following Surgical or Transcatheter Aortic Valve Replacement in Patients at Intermediate Surgical Risk: Results From the SURTAVI Trial



**Bob Kiaii**, Michael Reardon, Jeffrey Popma, Patrick Serruys, Nicolas Van Mieghem, London Cardiac Institute, London, Canada

**275 - Is There a Correlation Between Aortic Valve Gradient and Recovered/Improved Left Ventricular Ejection Fraction After Transcatheter Aortic Valve Replacement?**

**Ike Ifedili**, Tamunoinemi Bob-Manuel, Mark Heckle, Rami Khouzam, Uzoma Ibebuogu, University of Tennessee Health Science Center, Memphis, TN, USA

**276 - Mitral Regurgitation in Patients Undergoing Transcatheter Aortic Valve Implantation For Degenerated Surgical Aortic Bioprosthesis: Insights From Partner 2 Valve-in-Valve Registry**

**Dale Murdoch**, Janarthanan Sathananthan, S. Chris Malaisrie, Wael Jaber, Rebecca T. Hahn, Ted Feldman, Aaron Crowley, Anson Cheung, Jian Ye, David Wood, Martin B. Leon, Michael J. Mack, John Webb, St. Paul's Hospital, Vancouver, Canada, University of British Columbia

**277 - A Stratified Observational Study Evaluating the Impact and Acute Outcomes of Permanent Pacemaker Implantation in Patients Undergoing Transaortic Valve Replacement**

**Rajkumar Doshi**, Dean H. Decter, Perwaiz Meraj, Northwell Health, Manhasset, NY, USA

**278 - Long Term Outcomes of TAVR on Paradoxical Low Flow Low Gradient Severe Aortic Stenosis**

**Abdulah Alrifai**, Mohamad Kabach, Jesus Pino, Pradeep Dayanand, Edwin Grajeda, Swethika Sundaravel, Eduardo Venegas, Lawrence Lovitz, Mark Rothenberg, Roberto Cubeddu, Cristiano Faber, Marcos Nores, Zaher Fanari, University of Miami/JFK Medical Center, Atlantis, FL, USA, Heartland Cardiology/Wesley Medical Center, University of Kansas, Wichita, KS, USA

**279 - Insights Into Periprocedural Neurological Events After Transcatheter Aortic Valve Replacement: Analysis of Stroke After Transcatheter Aortic Valve Replacement in 1521 Consecutive Patients From a Single Center**

**Krishna Kandregula**, **Kesavan Sankaramangalam**, Yash Jobanputra, Kinjal Banerjee, Kanza Qaiser, Prasanna Sengodan, Zoran Popovic, Maan Fares, Lars Svensson, Stephanie Mick, Jose Navia, Amar Krishnaswamy, E. Murat Tuzcu, Samir Kapadia, Cleveland Clinic Foundation, Cleveland, OH, USA

**280 - Transcatheter Aortic Valve Implantation in Nonagenarians: Long-Term Cohort Analysis From a Pioneered Center**

**Guillaume Avinee**, Eric Durand, Sokoloff Anastasia, Christophe Tron, Nicolas Bettinger, Najime Bouhzam, Jean-Nicolas Dacher, Fabrice Bauer, Pierre-Yves Litzler, G. Alain Cribier, Helene Eltchaninoff, Rouen University Hospital, Rouen, France, INSERM U1096, Rouen, France

**281 - Comparative Outcomes of Transfemoral Versus Transapical TAVI: A Propensity-Matched Analysis**

**Nilay Kumar**, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

**282 - Patient Characteristics Influencing Coronary Obstruction in Transcatheter Aortic Valve Replacement With Low Coronary Height**

**Angela Li**, Fareed Moses Collado, Clifford Kavinsky, Marie-France Poulin, Rush University Medical Center, Chicago, IL, USA

**283 - Outcomes in Patients With Severe Left Ventricular Dysfunction and Acute Decompensated Heart Failure Undergoing Emergent Trans-Catheter Aortic Valve Replacement**

**Swethika Sundaravel**, Jesus Pino, Abdulah Alrifai, Mohamad Kabach, Edwin Grajeda, Pradeep Dayanand, Roberto Cubeddu, Eduardo Venegas, Lawrence Lovitz, Mark Rothenberg, George Daniel, Robert Chait, Eric Heller, Cristiano Faber, Marcos Nores, University of Miami/Palm Beach Regional Consortium, Atlantis, FL, USA

**284 - Feasibility and Safety of Using a 29 mm EDWARDS SAPIEN 3 Valve For TAVR in Patients With Annular Area Larger Than 683mm<sup>2</sup>**

**Pradeep Dayanand**, Abdulah Alrifai, Lawrence Lovitz, Marcos Nores, JFK Medical Center, West Palm Beach, FL, USA

**285 - Predictive Value of Seattle Heart Failure Model in Patients Undergoing Transcatheter Aortic Valve Replacement**

**Everett Sinibaldi**, Thammi Ramanan, Abhishek Sawant, Aishwarya Bhardwaj, Rosemary Hansen, Michael Pham, Charl Khalil, Ashutosh Sharma, Abhinav Kumar, Vijay Iyer, University at Buffalo, Buffalo, NY, USA

**286 - The Impact of Gradient and Flow on the Outcomes of TAVR in Severe Aortic Stenosis With Preserved Left Ventricular Ejection Fraction**

**Mohamad Kabach**, Abdulah Alrifai, Jesus Pino, Pradeep Dayanand, Edwin Grajeda, Lawrence Lovitz, Mark Rothenberg, Roberto Cubeddu, Cristiano Faber, Marcos Nores, Zaher Fanari, University of Miami/JFK Medical Center, Atlantis, FL, USA

**287 - Conduction Disturbances in Transcatheter Aortic Valve Replacement: The Cost of Less Paravalvular Leak?**

**Giorgio Medranda**, Kunal Brahmabhatt, Anjali Srivastava, Paul Sapia, Richard Schwartz, Kevin Marzo, Stephen Green, Ramesh Daggubati, New York University Winthrop Hospital, Mineola, NY, USA

**288 - Aortic Regurgitation Paradox in Transcatheter Aortic Valve Replacement(TAVR)**

**Manik Veer**, Ami Patel, Mark Doyle, Rachel Hughes-Doichev, Ramzi Khalil, Robert Biederman, Victor Farah, Allegheny Health Network, Pittsburgh, PA, USA

**289 - Tricuspid Regurgitation Severity and Outcomes After Transcatheter Aortic Valve Replacement**

**Sabry Omar**, Nirat Beohar, Steve Xydas, Angelo Lapietra, Maurice Mawad, Ivan Arenas, Mount Sinai Medical Center, Miami Beach, FL, USA

**290 - Reduced Baseline Ejection Fraction Is Associated With Increased Cardiovascular Mortality After Transcatheter Aortic Valve Replacement: Results From the PARTNER II Trials**

**Ariel Furer**, Shmuel Chen, Bjorn Redfors, Sammy Elmariah, Philippe Pibarot, Howard Herrmann, Rebecca T. Hahn, Susheel K. Kodali, Vinod H. Hourani, William Fearon, Jonathan Passeri, S. Chris Malaisrie, Thomas McAndrew, Philippe Genereux, Ori Ben-Yehuda, Martin B. Leon, Daniel Burkhoff, Cardiovascular Research Foundation, New York, NY, USA, Columbia University Medical Center/New York Presbyterian Hospital, New York, NY, USA

### Interventional Cardiology - Poster Contributions Session #1247

### Interventional Cardiology: Cutting-Edge Translational and Pre-Clinical Research

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

**291 - A Machine Learning Model Predicts Individuals Who Improve Coronary Artery Plaque Fibrous Cap Thickness Following High-Intensity Statin Therapy**  
**Kipp Johnson**, Shameer Khader, Benjamin S. Glicksberg, Yuliya Vengrenyuk, Aparna A. Divaraniya, Li Li, Samin K. Sharma, Jagat Narula, Joel Dudley, Annapoorna Subhash Kini, Icahn School of Medicine at Mount Sinai, New York, NY, USA, The Mount Hospital, New York, NY, USA

**292 - Sonoreperfusion of Microvascular Obstruction: A Step Towards Clinical Translation**

**Filip Istvanic**, Francois Yu, Xucai Chen, Flordeliza Villanueva, John Pacella, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA



293 - Super High Resolution  $\mu$ OCT For Endothelial Cell Visualization in the Coronary Arteries Ex Vivo

Kensuke Nishimiya, Biwei Yin, Zhonglie Piao, Gargi Sharma, Hany Osman, Joseph A. Gardecki, Guillermo J. Tearney, Wellman Center for Photomedicine, Harvard Medical School and Massachusetts General Hospital, Boston, MA, USA

294 - Right Ventricular Papillary Muscles Approximation: Insight From Ex Vivo Functional Tricuspid Regurgitation Model

Michal Jaworek, Omar A. Pappalardo, Matteo Selmi, Guido Gelpi, Federico Lucherini, Claudia Romagnoni, Carlo Antona, Alberto Redaelli, Gianfranco B. Fiore, Emiliano Votta, Riccardo Vismara, Politecnico di Milano, Milan, Italy

295 - 3D Printed Modeling of Right Ventricle and Tricuspid Valve From CT Images For Structural Heart Interventions

Marija Vukicevic, Kinan Carlos El Tallawi, Eleonora Avenatti, Su Min Chang, Colin Barker, Stephen Little, Houston Methodist Hospital, Houston, TX, USA

296 - Development of Large Diameter Bioresorbable Stents For Congenital Heart Disease

Alan William Nugent, Tre Welch, UT Southwestern Medical Center, Dallas, TX, USA

297 - A Procedural Endpoint For Circumferential Renal Artery Denervation?

Abolition of Pacing Induced Renal Artery Vasoconstriction  
Pierre Cheng Qian, Michael Barry, Jim Pouliopoulos, Juntang Lu, Aravinda Thiagalingam, Stuart Thomas, Department of Cardiology, Westmead Hospital, Sydney, Australia, University of Sydney, Sydney, Australia

298 - Apabetalone (RVX-208) Modulates Epigenetic Processes in Monocytes and Endothelial Cells Affected by Diabetes Mellitus and Diet That Enhance Risk of Cardiovascular Disease (CVD)

Christopher Halliday, Laura Tsujikawa, Ewelina Kulikowski, Cyrus Calosing, Sylwia Wasiak, Dean Gilham, Jan Johansson, Mike Sweeney, Norman Wong, Resverlogix Corp., Calgary, Canada

### Interventional Cardiology - Poster Contributions

#### Session #1248

#### Complex Patients and Comorbidities: Hemodynamic Support and Frailty Assessment

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

299 - Bioimpedance Phase Angle as a Biomarker for Frailty and Predictor of Mortality in Cardiac Surgery

Louis Antoine Mullie, Alexandre O'Brand, Melissa Bendayan, Emmanuel Moss, Jean-François Morin, Yves Langlois, Felix Ma, Kevin Lachapelle, Renzo Cecere, Benoit de Varennes, Christo Tchervenkov, Lawrence Rudski, Amanda Trnkus, Jonathan Afilalo, McGill University, Montreal, Canada, Jewish General Hospital, Montreal, Canada

301 - Left Atrial Venous-Arterial Extracorporeal Membrane Oxygenation: Percutaneous Bi-Atrial Drainage to Avoid Pulmonary Edema in Patients With Left Ventricular Systolic Dysfunction

Kenneth Dulnuan, Maya Guglin, Joseph Zwischenberger, John Gurley, University of Kentucky, Lexington, KY, USA

303 - Transcatheter Aortic Valve Replacement in Oncology Patients With Aortic Stenosis

Uri Landes, Ayman Jubran, Sung-Han Yoon, Maurizio Taramasso, Marco Russo, Jan-Malte Sinning, Biasco Luigi, Giovanni Pedrazzini, Azeem Latif, Matteo Pagnesi, Corrado Tamburino, Paolo D' Arrigo, Thomas Pilgrim, Didier Tchetché, Omer Iftikhar, Johan Bosmans, Edo Bedzra, Danny Dvir, Darren Mylotte, Sabine De Bruijn, Yusuke Watanabe, Hanna Dagnegård, Susheel K.

Kodali, Martin B. Leon, Ran Kornowski, Rabin Medical Center, Petach Tikva, Israel

### Interventional Cardiology - Poster Contributions

#### Session #1249

#### Drug Interaction During PCI

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

305 - Impact of Acute Administration of Corticosteroids Prior to Percutaneous Coronary Angiography in Diabetic Patients With Contrast Allergy

Bashar Amr, Matthew Lippman, Nilay Patel, Patrick Tobbia, Michael Pierpoline, Tyler Buechler, Tarun Dalia, Nicholas Isom, Peter Tadros, Eric Hockstad, Mathew Earnest, Ashwani Mehta, Mark Wiley, John Chen, Kamal Gupta, Kansas University Medical Center, Kansas City, KS, USA

306 - Effect of Intravenous Fentanyl Administration on Myocardial Injury in Patients Undergoing Percutaneous Coronary Intervention: A Sub-Analysis of the PACIFY Randomized Clinical Trial

Rohan Shah, Khalil Ibrahim, Rakesh Goli, Thomas S. Kickler, William A. Clarke, Steven Schulman, John McEvoy, Johns Hopkins University School of Medicine, Baltimore, MD, USA

307 - Dose Dependent Effect of Intravenous Fentanyl Administration on Ticagrelor Absorption and Platelet Inhibition in Patients Receiving Percutaneous Coronary Intervention: A Secondary-Analysis of the PACIFY Randomized Clinical Trial

John W. McEvoy, Rakesh R. Goli, Khalil Ibrahim, Rohan Shah, Thomas S. Kickler, William A. Clarke, Steven Schulman, Johns Hopkins University School of Medicine, Baltimore, MD, USA

### Interventional Cardiology - Poster Contributions

#### Session #1250

#### Left Main, Multivessel, Bifurcation Lesions: Improved Bifurcation Techniques

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

308 - Changes in Characteristics, Treatment Strategies, and Outcomes of Coronary Bifurcation Lesions Over Time

Duk-Woo Park, Se Hun Kang, Jung-Min Ahn, Jung-Bok Lee, Cheol Hyun Lee, Do-Yoon Kang, Pil Hyung Lee, Soo-Jin Kang, Seung-Whan Lee, Young-Hak Kim, Cheol Whan Lee, Seong-Wook Park, Seung-Jung Park, Department of Cardiology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Korea

309 - The Jailed Stent Balloon Technique: A Novel Coronary Bifurcation Technique

Adam Shpigiel, Marc Sintek, Jasvinder Singh, Washington University in St. Louis, St. Louis, MO, USA

310 - Usefulness of Novel Roadmap Guided Percutaneous Coronary Intervention For Bifurcation Lesions (The World's First Cases)

Hideyuki Takimura, Toshiya Muramatsu, Reiko Tsukahara, Masatsugu Nakano, Satoshi Nishio, Yukako Takimura, Takayuki Yabe, Mami Kawano, Tasuku Hada, Department of Cardiology, Tokyo General Hospital, Tokyo, Japan



### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Poster Contributions - Session #1251

#### Non Invasive Imaging: Coronary CTA For Diagnosis and Prognosis Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

311 - Remote Interpretation of Coronary Computed Tomographic Angiography (CCTA) Can Safely Expand Access to Advanced Cardiovascular Imaging to Evaluate Acute Chest Pain in Community Hospital Setting  
Edris Alderwish, Pamela Noack, Jhanna Moore, Moshrik Abd Alamir, Michael Poon, Lenox Hill Hospital-NSLIJ/Hofstra, New York, NY, USA

312 - HEART Score Does Not Predict the Presence of Anatomical Coronary Artery Disease in Patients Presenting to the Emergency Department With Chest Pain

Aishwarya Bhardwaj, Makoto Nagahama, Saurabh Malhotra, University at Buffalo, Buffalo, NY, USA

313 - Coronary Plaque Burden on Coronary Computed Tomographic Angiography in Diabetics Versus Non-Diabetics

Anthony Delicce, Basem Alawneh, Kyla D'Angelo, David Bass, Ofek Hai, Daniel Chikvashvili, Roman Zeltser, Amgad Makaryus, Zucker School of Medicine at Hofstra and Northwell, Hempstead, NY, USA, Nassau University Medical Center, East Meadow, NY, USA

314 - A Novel Ensemble Machine Learning-Based Method Versus Clinical Risk Scoring For Discrimination of Individuals Who Will Versus Will Not Experience Acute Coronary Syndrome After Coronary Computed Tomographic Angiography: Results From the ICONIC Study

Subhi Al'Aref, Gabriel Maliakal, Michael Cheng, Kranthi Kolli, Gurpreet Singh, Mohit Pandey, Amit Kumar, Aeshita Dwivedi, Daniele Andreini, Filippo Cademartiri, Kavitha Chinnaiyan, Benjamin Chow, Ricardo Cury, Gudrun Feuchtnner, Martin Hadamitzky, Yong-Jin Kim, Jonathon Leipsic, Hugo Marques, Gianluca Pontone, Todd Villines, Daniel Berman, Matthew Budoff, Jeroen J. Bax, Hyuk-Jae Chang, James K. Min, Dalio Institute of Cardiovascular Imaging, Weill Cornell Medicine, New York, NY, USA

315 - Improvement in LDL Is Associated With Decrease in Multiple Components of Non-Calcified Plaque on Coronary CTA

Yuka Otaki, Balaji Tamarappoo, Sebastien J. Cadet, Phi T. Huynh, Sean Hayes, John Friedman, Louise Thomson, Piotr Slomka, Damini Dey, Daniel Berman, Cedars-Sinai Medical Center, Los Angeles, CA, USA

316 - The Role of Plaque Morphology in Discriminating Early Versus Late Occurring Acute Coronary Syndrome: The ICONIC Trial

Wijnand J. Stuijzand, Benjamin Chow, Fay Lin, Peña M. Jessica, Daniele Andreini, Filippo Cademartiri, Kavitha Chinnaiyan, Ricardo Cury, Gudrun Feuchtnner, Martin Hadamitzky, Yong-Jin Kim, Jonathon Leipsic, Hugo Marques, Gianluca Pontone, Todd Villines, Daniel Berman, Matthew Budoff, Leslee Shaw, Jeroen J. Bax, James K. Min, Hyuk-Jae Chang, New York-Presbyterian Hospital and Weill Cornell Medicine, New York, NY, USA

317 - The Impact of Cigarette Smoking For High-Risk Coronary Plaque Development and Plaque Progression by Serial Coronary Computed Tomography Angiography

Hyung-Bok Park, Sang-Eun Lee, Byoung Kwon Lee, Martin Hadamitzky, Yong-Jin Kim, Edoardo Conte, Daniele Andreini, Gianluca Pontone, Matthew Budoff, Ilan Gottlieb, Eun Ju Chun, Filippo Cademartiri, Erica Maffei, Hugo Marques, Jonathon Leipsic, Jung Hyun Choi, Renu Virmani, Habib Samady, Peter Stone, Daniel Berman, Jagat Narula, Leslee Shaw, Jeroen Bax, James K. Min, Hyuk-Jae Chang, Yonsei-Cedars Sinai Integrative Cardiovascular Imaging Research Center, Seoul, South Korea, International St. Mary's Hospital, Incheon, South Korea

318 - The Association of Acute Coronary Syndrome and Coronary Plaque Features by Sex: The ICONIC Study

Jessica Pena, Leslee Shaw, Fay Lin, Daniele Andreini, Filippo Cademartiri, Kavitha Chinnaiyan, Benjamin Chow, Ricardo Cury, Gudrun Feuchtnner, Martin Hadamitzky, Yong-Jin Kim, Jonathon Leipsic, Hugo Marques, Gianluca Pontone, Todd Villines, Daniel Berman, Matthew Budoff, Jeroen J. Bax, James K. Min, Hyuk-Jae Chang, ICONIC Investigators, Weill Cornell Medical College, New York, NY, USA

319 - Prevalence of Layered Testing For Coronary Artery Disease and Cost Analysis of Coronary Computed Tomography Angiography as the Initial Diagnostic Test

Eileen Hu-Wang, Tushar Acharya, Bharath Sathya, Faraz Kureshi, Shirley Rollison, Kathie Bronson, W. Patricia Bandettini, Sujata Shanbhag, Marcus Chen, National Heart, Lung, and Blood Institute, Bethesda, MD, USA

320 - Impact of Sex and Smoking on Coronary Artery Disease Extent and Severity by Coronary CT Angiography: Results From the CONFIRM (Coronary CT Angiography Evaluation For Clinical Outcomes: An International Multicenter) Registry

Brittany Katz, Aeshita Dwivedi, Stephan Achenbach, Mouaz H. Al-Mallah, Jeroen J. Bax, Daniel Berman, Matthew Budoff, Filippo Cademartiri, Tracy Callister, Hyuk-Jae Chang, Benjamin Chow, Ricardo Cury, Gudrun Feuchtnner, Martin Hadamitzky, Joerg Hausleiter, Philipp Kaufmann, Jonathon Leipsic, Yong-Jin Kim, Hugo Marques, Gianluca Pontone, Gilbert Raff, Ronen Rubenshtein, Todd Villines, James K. Min, Jessica Pena, New York-Presbyterian Hospital and Weill Cornell Medicine, New York, NY, USA

321 - Additional Diagnostic Value of CT Perfusion Over Coronary CT Angiography in Stented Patients With Suspected In-Stent Restenosis or Coronary Artery Disease Progression: ADVANTAGE Study Preliminary Results  
Daniele Andreini, Saima Mushtaq, Gianluca Pontone, Jeroen Sonck, Edoardo Conte, Marco Guglielmo, Andrea Baggiano, Mauro Pepi, Antonio Bartorelli, Centro Cardiologico Monzino, IRCCS, Milan, Italy

322 - Impact of Coronary Remodeling on Coronary Physiology: A Serial Coronary Computed Tomography Study

Carlos A. Collet, Jeroen Sonck, Yosuke Miyazaki, Taku Asano, Bernard Cosyns, Yoshinobu Onuma, Marcio Bittencourt, Antonio Bartorelli, Daniele Andreini, Charles Taylor, Campbell Rogers, Patrick Serruys, Academic Medical Center, Amsterdam, The Netherlands

323 - Recent Trends in Utilization of Cardiovascular Imaging and Invasive Coronary Angiography in the Large Scale United States Military Healthcare System

Charles Eisenberg, Zorana Masic, Geoffrey Cole, Amber M. Evans, Cynthia Philip, Todd Villines, Walter Reed National Military Medical Center, Bethesda, MD, USA, Health ResearchTx, Portsmouth, VA, USA

324 - Computed Tomography Myocardial Perfusion Adds Diagnostic Power to Coronary Computed Tomography Angiography in Renal Transplant Candidates: Preliminary Results

Eduardo Leal Adam, Carlos Rochitte, Pedro Lemos, Luiz Machado Cesar, Jose Jayme de Lima, Luis Henrique Gowdak, Heart Institute, InCor, University of São Paulo Medical School, São Paulo, Brazil

325 - CT Myocardial Perfusion Imaging Fails to Improve Diagnostic Accuracy of CT Coronary Angiography to Determine Stent Patency

Armin Arbab-Zadeh, Richard George, Julie Miller, John Texter, Gustavo Godoy, Mohammad Ostovaneh, Andrea Vavere, Marc Dewey, Carlos Rochitte, Hiroyuki Niinuma, Marcus Chen, Matthew Matheson, Klaus Kofoed, Melvin Clouse, Christopher Cox, Joao Lima, Jeffrey Brinker, Roger Laham, Johns Hopkins University, Baltimore, MD, USA





326 - Association of Sex With Atherosclerotic Plaque Characteristics in Precursors of Culprit Lesions: The ICONIC Study

Aeshita Dwivedi, Leslee Shaw, Fay Lin, Jessica Pena, Daniele Andreini, Filippo Cademartiri, Kavitha Chinnaiyan, Benjamin Chow, Ricardo Cury, Gudrun Feuchtnr, Martin Hadamitzky, Yong-Jin Kim, Jonathon Leipsic, Hugo Marques, Gianluca Pontone, Todd Villines, Peter Stone, Habib Samady, Renu Virmani, Jagat Narula, Jeroen J. Bax, James K. Min, Hyuk-Jae Chang, Dalio Institute of Cardiovascular Imaging, New York-Presbyterian Hospital and Weill Cornell Medicine, New York, NY, USA, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, South Korea

### **Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Poster Contributions - Session #1252**

#### **Non Invasive Imaging: Applications of Late Gadolinium Enhancement and T1 Mapping**

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

327 - Impact of Myocardial Viability Assessed by Cardiac Magnetic Resonance on Survival in Patients With Severe Ischemic Left Ventricular Dysfunction  
Fang Yi Lim, Jonathan Yap, Fei Gao, Adrian Low, Sinead Wang, Thu Thao Le, Ru San Tan, National Heart Centre Singapore, Singapore, Singapore, Singhealth Polyclinics, Singapore, Singapore

328 - Cardiac MRI Tissue Characterization and Myocardial Mechanics in Pediatric Patients With Hypertrophic Cardiomyopathy  
Sudeep Sunthakar, David Parra, Kristen George-Durrett, Jason Christensen, Jonathan Soslow, Vanderbilt Children's Hospital, Nashville, TN, USA

329 - Late Gadolinium Enhancement on Cardiac Magnetic Resonance Imaging in Hypertrophic Cardiomyopathy of the Young  
Erica Bonura, Mahmoud Abdelsalam, Martijn Bos, Philip Araoz, Steve Ommen, Michael Ackerman, Jeffrey Geske, Mayo Clinic, Rochester, MN, USA

330 - Higher Quantitative Pericardial Delayed Hyperenhancement in Patients With Recurrent Pericarditis After a Year of Medical Therapy Is Associated With Frequent Relapses  
Beni Rai Verma, Chandra Ala, Kimi Sato, Arnav Kumar, Vivek Menon, Rory Hachamovitch, Deborah Kwon, Allan Klein, Cleveland Clinic, Cleveland, OH, USA

331 - Meta-Analysis on Late Gadolinium Enhancement in Hypertrophic Cardiomyopathy  
Arun Kannan, Kris Kumar, Srinivasa Madhavan, Gurusaravanan Kutti Sridharan, Rajesh Janardhanan, Sarver Heart Center, Tucson, AZ, USA

332 - Non Infarct Related Artery Microvascular Obstruction Is a Predictor of Persistent Diastolic Dysfunction in Patients Presenting With ST Elevation Myocardial Infarction  
Amir Lerman, Reza Khorramirouz, Michel Corban, Shi-Wei Yang, John Bois, Lilach Lerman, Jae K. Oh, Mayo Clinic, Rochester, MN, USA

333 - Jeopardized Myocardium Defined by Late Gadolinium MRI Predicts Survival in Patients With Ischemic Cardiomyopathy: Impact of Revascularization  
Deborah Kwon, Nancy Obuchowski, Thomas H. Marwick, Venu Menon, Brian Griffin, Scott Flamm, Rory Hachamovitch, Cleveland Clinic, Cleveland, OH, USA, Baker Heart and Diabetes Institute, Melbourne, Australia

334 - Comparing Myocardial Fibrosis Quantification Methods For Risk Stratification in Patients With Suspected Myocarditis Using Cardiac Magnetic Resonance Imaging  
Christoph Gräni, Christian Eichhorn, Loïc Bière, Kyoichi Kaneko, Vikram Agarwal, Venkatesh Murthy, Ayaz Aghayev, Michael Steigner, Ron Blankstein,

Michael Jerosch-Herold, Raymond Kwong, Brigham and Women's Hospital, Boston, MA, USA

335 - Prolonged Inflammatory Response in the Peri-Infarct Zone of Hemorrhagic Myocardial Infarction Is Driven by Iron-Ceroid Complex From Apoptotic Foam Cells  
Ivan Cokic, Guan Wang, Kolja Wawrowsky, Hsin-Jung Yang, Richard Tang, Joseph Francis, Rohan Dharmakumar, Cedars-Sinai Medical Center, Los Angeles, CA, USA

336 - T1 Mapping Predicts Adverse Clinical Outcome in Myocarditis  
Chirag Agarwal, Mario Rivera Rodriguez, Basera Sabharwal, Bing Yue, Eelin Wilson, Shuyang Fang, Allen Weiss, Rebecca Smoller, Jagat Narula, Valentin Fuster, Juan Badimon, Javier Sanz, Carlos Santos-Gallego, Mount Sinai Hospital, New York, NY, USA, Maimonides Medical Center, Brooklyn, NY, USA

337 - Myocardial Scar Patterns in Women With Suspected Coronary Vasomotor Dysfunction: A Report From the Women's Ischemia Syndrome Evaluation  
Parham Zarrini, Sawan Jalnapurkar, Janet Wei, Sandy Joung, Reddy Sailaja Marpuri, Ahmed AlBadri, David Anderson, Eileen Handberg, George Sopko, Carl Pepine, John Petersen, Daniel Berman, Louise Thomson, C. Noel Bairey Merz, Barbra Streisand Women's Heart Center, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

### **Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Poster Contributions - Session #1253**

#### **New Applications in Echocardiography**

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

339 - Novel 3D Noninvasive Ultrasound Imaging Localizes Accessory Pathways in Adults and Adolescents With Wolff-Parkinson-White Syndrome  
Christopher Grubb, Lea Melki, Leonardo Liberman, Eric Silver, Carmine Sorbera, Daniel Y. Wang, Vivek Iyer, Rina Shah, Marc Waase, Hasan Garan, Elisa Konofagou, Elaine Wan, Columbia University Medical Center, Division of Cardiac Electrophysiology, New York, NY, USA, Columbia University, Department of Biomedical Engineering, New York, NY, USA

340 - Subclinical Left Ventricular Dysfunction in Obese Adolescents With and Without Metabolic Syndrome  
Philip G. Haines, Katherine French, Ravi V. Shah, David Harrild, Siddique Abbasi, Warren Alpert Medical School of Brown University, Providence, RI, USA, Boston Children's Hospital, Boston, MA, USA

341 - Myocardial Remodeling in Offspring of Diabetic Mothers Extends Into Early Childhood  
Aparna Kulkarni, Ling Li, Daisy Gonzalez, Mary Craft, Shelby Kutty, Bronx Lebanon Hospital Center, Icahn School of Medicine at Mount Sinai, Bronx, NY, USA, Children's Hospital and Medical Center, Omaha, NE, USA

342 - The Association Between Appropriate Use Criteria and Transthoracic Echocardiography Findings  
Tamryn Law, Zachary Bouck, Cindy Yin, Gillian Nesbitt, Amer Johri, Kibar Yared, Jeremy Edwards, Mark Hansen, Rory Weiner, Sacha Bhatia, University of Toronto, Toronto, Canada

343 - Immune Profile of Healthy Cardiovascular Aging: Insights From a Population-Based Study and Network Modeling  
Sara Bouajila, Kegan Moneghetti, Yukari Kobayashi, Fatemeh A. Gomari, Fahim Abbasi, Mark M. Davis, Joseph C. Wu, Tatiana Kuznetsova, Nazish Sayed, Francois Haddad, Stanford Cardiovascular Institute, Stanford, CA, USA, Division of Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA, USA





344 - Clinical Outcomes of Pericardial Effusions in End-Stage Renal Disease: Pericarditis-Associated Versus Asymptomatic

Karim Abdur Rehman, Jorge Betancor, Bo Xu, Arnav Kumar, Carlos Godoy Rivas, Leslie Wong, Paul Cremer, Craig Asher, Allan Klein, Cleveland Clinic Foundation, Cleveland, OH, USA

345 - Semi-Automatic Classification of Cardiac Blood-Flow Fields Using Echocardiographic Particle Imaging Velocimetry Data

Ali Hama Amin, Sirish Shrestha, Marton Tokodi, Muhammad Ashraf, Grace Verzosa, Mokoto Amaki, Haruhiko Abe, Partho P. Sengupta, WVU Heart & Vascular Institute, Morgantown, WV, USA, Mt. Sinai Medical Center, New York, NY, USA

346 - Echocardiographic Features of Longevity: A Case Series of Centenarians Paola Casanova, Omar Issa, Jorge Perez, Benjamin Hurwitz, Saberio Lo Presti, Christos Mihos, Orlando Santana, Mount Sinai Medical Center, Miami Beach, FL, USA

347 - System Based Intervention Using Electronic Medical Records and Its Potential to Decrease the Overuse of Transthoracic Echocardiogram

Kinjan Patel, Michael J. Forte, James Mills, Fahad Alqahtani, Shanthi Manivannan, West Virginia University Hospital, Morgantown, WV, USA

348 - Echocardiographic Left Ventricular Global Longitudinal Strain in U.S.

Hispanics/Latinos: HCHS/SOL Echocardiographic Study of Latinos Maria Octavia Rangel, Ana Soto, Robert Kaplan, Sonia Ponce, Mayank Kansal, Sanjiv Jayendra Shah, Jianwen Cai, Martin Bilsker, Barry E. Hurwitz, Min Pu, Carlos Rodriguez, Wake Forest University Baptist Medical Center, Winston Salem, NC, USA

349 - Global Longitudinal Strain and Mechanical Dispersion Improves Risk Stratification of Malignant Ventricular Arrhythmias and Major Adverse Cardiac Events Over Ejection Fraction Alone

Rebecca Perry, Sanjana Patil, Matthew Horsfall, Christian Marx, Derek Chew, Majo Joseph, Anand Ganesan, Andrew McGavigan, Gaetano Nucifora, Joseph Selvanayagam, Flinders University of South Australia, Bedford Park, Australia, Flinders Medical Centre, Bedford Park, Australia

350 - Role of Sonographically Identified Cardiac Activity as a Predictor of Resuscitation Outcome in Cardiac Arrest Patients

Ahmed Souka, Amr Abdallah El Sayed, Haitham Tammam, Atlantic Health System, Morristown, NJ, USA, Alexandria University, Alexandria, Egypt

351 - Smartphone Teleguidance in Learning to Obtain Point-of-Care Cardiac Ultrasound Images From Within the Hospital: A Pilot Study Using Novice Learners

David Leung, Stanley Amundson, James Phan, Bruce Kimura, Scripps Mercy, San Diego, CA, USA

352 - Occupational Environmental Exposures and Cardiac Structure and Function: The Echocardiographic Study of Latinos (Echo-SOL)

Melissa Burroughs Pena, Catherine M. Bulka, Katrina Swett, Krista Perreira, Mayank Kansal, Matthew Loop, Martha Daviglius, Carlos Rodriguez, University of California San Francisco, San Francisco, CA, USA, Wake Forest School of Medicine, Winston-Salem, NC, USA

353 - Echocardiographic Measurement of Cardiac Twist: A Systematic Review and Meta-Analysis

Muath Bishawi, Soraya Voigt, Yash Bhatnagar, Alina Nicoara, Madhav Swaminathan, George Truskey, Olaf von Ramm, Duke University Medical Center, Durham, NC, USA

354 - Correlation Between Three-Dimensional Echocardiography Ejection Fraction With Two-Dimensional Speckle Tracking Echocardiography Strain Variables

Benjamin C. Salgado, Gaurang Vaidya, Faraz Badar, Marcus Stoddard, University of Louisville, Louisville, KY, USA

355 - Relationship Between Global Longitudinal Strain and Incident Atrial Fibrillation in the General Population: The Copenhagen City Heart Study

Anne Marie Reimer Jensen, Sofie R. Biering-Sorensen, Rasmus Mogelvang, Gorm Jensen, Amil Shah, Jan Jensen, Tor Biering-Sorensen, Department of Cardiology, Herlev and Gentofte Hospital, Gentofte, Denmark, Division of Cardiovascular Medicine, Brigham and Women's Hospital, Boston, MA, USA

356 - Optimizing Contrast Enhanced Echocardiography by Employing a Sonographer Administered Echo Enhancement Protocol

Ryan Lee Prentice, Rosco Gore, Dustin Thomas, Homayoun Ahmadian, Jeremy Berger, Brooke Army Medical Center, San Antonio, TX, USA

### Non-Certified Industry Events - Learning Destinations

#### Session #4208

#### I'm Afraid to Faint Again: Overview of Neurogenic Orthostatic Hypotension Diagnosis and Management

Sunday, March 11, 2018, 1:30 p.m. - 2:00 p.m.

Expo Hall 852-Innovation Stage

CME Hours: 0 /CNE Hours: 0

1:30 p.m.

I'm Afraid to Faint Again: Overview of Neurogenic Orthostatic Hypotension Diagnosis and Management

Sameh Mobarek

Durham, NC

### Prevention - Poster Contributions

#### Session #1260

#### Risk Factor Assessment and Risk Prediction to Guide ASCVD Prevention

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

401 - Osteopontin: A New Frontier in Biomarkers For ASCVD Prediction

Shuktika Nandkeolyar, Ali Naqvi, Ajay Sharma, Wenjun Fan, Jamal Rana, Daniel Berman, Nathan Wong, University of California at Irvine, Irvine, CA, USA, Cedars-Sinai Medical Center, Los Angeles, CA, USA

402 - The Risk in Treating Estimated Risk: An Algorithm For Calculating Confidence Intervals For Risk Prediction Equations

Thatcher B. Ference, Brian Ference, University of Cambridge, Cambridge, United Kingdom

403 - Combined Patterns of Obesity and Smoking Status For Prediction of Coronary Artery Disease: A Follow-Up Study on Treated Hypertensive Patients

Konstantinos P. Tsioufis, Alexandros Kasiakogias, Dimitris Konstantinidis, Theodoros Kalos, Christos Mallios, Ioannis Andrikou, Evaggelia Koutra, Konstantinos Thomopoulos, Kyriakos Dimitriadis, Ioannis Kallikazaros, Dimitris Tousoulis, First Cardiology Clinic, University of Athens, Hippokration Hospital, Athens, Greece

404 - Associations Among Cumulative Social Risk, Ideal Cardiovascular Health and Exposure to Environmental Pollutants

Ann Canterbury, Sebahat Erqou, Jane Clougherty, Claudia Bambs, Ellen J. Kinnee, Sheila Tripathy, Daniel Shpilsky, Jared Magnani, Aryan Ayer, Steven Reis, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

405 - Helping Everyone Assess Risk Today! (HEART!): Ethnic, Urban and Suburban ASCVD Risk Differences

Sarah Alexander, Kelly Blair, Estefania Oliveros, Kim Allan Williams Sr., Rush University Medical Center, Chicago, IL, USA



406 - Low Adherence to Discharge Medications Predicts Risk of Cardiac Events Midterm After Cardiac Surgery: A Pilot Study Among Predominantly Black Inner-City Patients

Phyllis Supino, Ofek Hai, Sriya Avadhani, Ridita Nizam, Daniel Beckles, Jeffrey Borer, SUNY Downstate Medical Center, Brooklyn, NY, USA

407 - The Impact of Cardiovascular Disease Risk Factors on Atherosclerosis in Psoriasis

Michael Seth Garshick, Nathaniel Smilowitz, Yu Guo, Jeffrey Berger, New York University School of Medicine, New York, NY, USA

408 - A Case-Control Study of Preeclampsia and the Future Development of Cardiovascular Risk Factors

Karlee Hoffman, Ami Patel, Amy Tang, Indu Poornima, Allegheny Health Network, Pittsburgh, PA, USA

409 - The Pooled Cohort Risk Equation Markedly Underestimates the Risk of Atherosclerotic Cardiovascular Events After Radiation Therapy

Daniel Addison, Aferdita Spahillari, Adam Rokicki, Annie Chan, Lori Wirth, Ravi Shah, Tom Neilan, Massachusetts General Hospital, Boston, MA, USA, Ohio State University, Columbus, OH, USA

410 - Recurrent Cardiovascular Event Rates in High-Risk Atherosclerotic Cardiovascular Disease Patients: Estimates From Swedish Population-Based Register Data

Maria Lindh, Jonas Banefelt, Sara Hallberg, Kathleen M. Fox, Yi Qian, Villa Guillermo, Ming-Hui Tai, Quantify Research, Stockholm, Sweden, Amgen Inc., Thousand Oaks, CA, USA

411 - Increased Risk of the Progression of Coronary Artery Calcification According to Traditional Cardiovascular Risk Burden in Asymptomatic Subjects: Results From the Korea Initiatives on Coronary Artery Calcification (KOICA) Registry

Ji Hyun Lee, David Sung, Kisang Yoo, Donghee Han, Hyeonju Jung, Hyo Eun Park, Su-Yeon Choi, Eun Ju Chun, Jidong Sung, Sung Hak Park, Hae-Won Han, Ji Min Sung, Hyuk-Jae Chang, Severance Cardiovascular Hospital, Yonsei University Health System, Seoul, South Korea

412 - Incidental Coronary Artery Calcification on Computerized Tomography in Patients With Early Stage Non-Small Cell Lung Cancer and Opportunities For Cardiovascular Risk Optimization

Sarah Cuddy, David L. Payne, David Murphy, Ruth Dunne, Raphael Bueno, Ron Blankstein, Marcelo Di Carli, Mandeep Mehra, Anju Nohria, John Groarke, Brigham and Women's Hospital, Boston, MA, USA

414 - Associations Between Conventional Cardiovascular Risk Factors and Risk of Perioperative Acute Myocardial Infarction After Non-Cardiac Surgery

Tanya Wilcox, Nathaniel Smilowitz, Jonathan Newman, Jeffrey Berger, New York University School of Medicine, New York, NY, USA

415 - An Assessment of Income Inequality in Atherosclerotic Cardiovascular Disease Risk

Blaine Menon, Taylor Wurdeman, Gil Metser, Christopher Hawk, University of Miami Miller School of Medicine, Miami, FL, USA

416 - Cardiovascular Risk Assessment Scores For Hispanics Living in United States: A Systematic Review and Meta-Analysis

Carlos Godoy, Haris Riaz, Eduardo Venegas, Samuel A. Urrutia, Eleazar A. Montalván, Laura Young, Marian Simonson, Haitham Ahmed, Cleveland Clinic Foundation, Cleveland, OH, USA

417 - Role of Risk Factor Knowledge in the Recognition of Heart-Related Symptoms Differ According to Gender

Niveditha Pattathil, Tanya Kakkar, Puru Panchal, Cameron Taheri, Catherine Kreatsoulas, Harvard University, Boston, MA, USA, University of Toronto, Toronto, Canada

418 - Circulating Soluble Urokinase Plasminogen Activator Receptor Levels Predict Mortality in Subjects Without Obstructive Coronary Artery Disease

Nabil Sabbak, Ahmed AlBadri, Ayman Samman Tahhan, Pratik Sandesara, Ayman Alkhoder, Salim Hayek, Heval M. Kelli, Mohamad Mazen Gafeer, Naser Abdelhadi, Belal Kaseer, Yi-An Ko, Keyur Patel, Fahad Choudhary, Sonali Kumar, Jamal Hajjari, Arti Patel, Murtuza Jafri, Muaaz Choudhary, Laila Hasnain, Vanessa Engineer, Saqib Qadir, Arianna Sidoti, Laurence Sperling, Puja K. Mehta, Arshed Quyyumi, Emory University School of Medicine, Atlanta, GA, USA

419 - Non-Invasive Screening Test For Sarcopenia Is a Useful Predictor of Future Cardiovascular Events in Patients With Chronic Kidney Disease

Shinsuke Hanatani, Masahiro Yamamoto, Toshifumi Ishida, Satoru Yamamura, Yuichi Kimura, Satoshi Araki, Yasuhiro Izumiya, Kenichi Tsujita, Kumamoto University, Kumamoto-Shi, Japan

420 - Carotid Intima-Media Thickness Versus Coronary Artery Calcium Score in Predicting Incident Coronary Heart Disease and Stroke Among African Americans: The Jackson Heart Study

Valery Efoe, Alain Bertoni, Fengxia Yan, Nchang Taka, Obiora Egbuche, Titilope Olanipekun, Demilade Adedinsewo, Ervin Fox, Herman Taylor, Morehouse School of Medicine, Atlanta, GA, USA

421 - Increased Bilateral Carotid Inflammation Is Associated With Increased Cerebrovascular Event Rate

Georgios Benetos, Konstantinos Toutouzas, George Oikonomou, Iosif Koutagiar, Fotini Mitropoulou, Nikolaos Barampoutis, Periklis Davlouros, Andreas Synetos, Elias Siores, Dimitris Tousoulis, First Department of Cardiology, Athens, Greece

422 - Relationship of Breast Artery Calcification to Coronary Artery Stenosis: Is Mammography the New Screening Test For Coronary Artery Stenosis in Women?

Tanuka Datta, Ivan Pena, Ashley Inciardi, Amanda Kappler, Rachel F. Brem, Ramesh Mazhari, Andrew Choi, Jannet Lewis, George Washington University SMHS, Washington, DC, USA

423 - Association Between Ideal Cardiovascular Health and Markers of Subclinical Atherosclerosis

Daniel Shpilsky, Sebhat Erqou, Claudia Bambs, Kevin Kip, Jared Magnani, Sanjay Patel, Aryan Aiyer, Steven Reis, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

424 - Circulating Monocyte/Macrophage-Derived Extracellular Vesicles Predict Post-Operative Myocardial Infarction

Scott Damrauer, Maggie Schmierer, Annukka Atkins, Alex Fairman, Jinbo Chen, Luis Eraso, Jeffrey Carpenter, Ravi Dhanisetty, Jonni Moore, Wade Rogers, Emile Mohler, University of Pennsylvania, Philadelphia, PA, USA, CytoVas, LLC, Philadelphia, PA, USA

### Prevention - Poster Contributions

#### Session #1261

**Prevention: Rehabilitation in the USA and Around the Globe**  
**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

425 - Physical Function, Quality of Life, and Depression in Elderly, Hospitalized Patients With Acute Decompensated Heart Failure With Preserved Versus Reduced Ejection Fraction: Analysis From the REHAB-HF Trial



Haider Warraich, Dalane Kitzman, David Whellan, Duncan Pamela, Robert Mentz, Amy Pastva, Ben Nelson, Gordon Reeves, Duke University Medical Center, Durham, NC, USA, Wake Forest Baptist Health, Winston-Salem, NC, USA

426 - Independent Validation of a Cardiorespiratory Fitness Prediction Model  
Sergey Kachur, Ross Arena, Rebecca Morera, Alban DeSchutter, Richard Milani, Carl Lavie, John Ochsner Heart and Vascular Institute, New Orleans, LA, USA

427 - Factors Predicting Improvement in Cardiovascular Fitness as Measured by Metabolic Equivalents of Task in Patients Who Completed Phase 2 Cardiac Rehabilitation

Ahmed Abu-Haniyeh, Nishant Shah, Yuping Wu, Leslie Cho, Haitham Ahmed, Cleveland Clinic Foundation, Cleveland, OH, USA

428 - Psychosocial Risk Factors and All-Cause Mortality in Patients With Coronary Artery Disease After Percutaneous Coronary Intervention: A Prospective Study

Vadim A. Kuznetsov, Georgiy Pushkarev, Elena Yaroslavskaya, Ivan Bessonov, Tyumen Cardiology Research Center, Tomsk National Research Medical Center, Tomsk, Russian Federation

429 - Availability and Quality of Cardiac Rehabilitation Around the Globe: Patients Served, Providers, and Core Components

Marta Supervia Pola, Karam Turk-Adawi, Ella Pesah, Francisco Lopez-Jimenez, Ding Rongjing, Raquel Britto, Wayne Derman, Birna Bjarnason-Wehrens, Ana Abreu, Jong Seng Khiong, Karl Andersen, Graciela Gonzalez, Vojislav Giga, Tee Joo Yeo, Dawn Scantlebury, Dusko Vulic, Eleonora Vataman, Lucky Cuenza, Sherry Grace, Mayo Clinic, Rochester, MN, USA, Gregorio Marañon University Hospital, Madrid, Spain

430 - Availability and Characteristics of Cardiac Rehabilitation Programs in China: A Follow-Up National Survey From the National Survey Writing Group of Chinese Society of Cardiac Prevention and Rehabilitation

Rongjing Ding, Randal Thomas, Dong Zhao, Sidney Smith, Zhixin Zhang, Lopez-Jimenez Francisco, Ray Squires, Lemin Wang, Dayi Hu, Peking University People's Hospital, Beijing, People's Republic of China, Mayo Clinic Rochester, Rochester, MN, USA

431 - Extended Exercise Cardiac Rehabilitation Improves Medication Adherence Post-MI: The EXTEND Study

Avinash Pandey, Sandee Clarus, Niteesh Choudhry, Cambridge Cardiac Care Center, Cambridge, Canada

433 - Low VO<sub>2</sub> Peak Is Independently Associated With Improvement in Functional Capacity After Cardiac Rehabilitation: Results From a National and Multicenter Study

Luiz Eduardo Fonteles Ritt, Eneas Rocco, Pedro G. M. Barros, Gustavo Feitosa, Alexandre Galvão, Priscila F. da Silva, Gabriel A. de Bastos, Thais Pellegrino, Jessica S. Porto, Gabriela Bastos, Queila Borges, Eduardo Darze, Renato Lopes, Hospital Cardio Pulmonar, Salvador, Brazil, Hospital Total Cor, Sao Paulo, Brazil

434 - Geriatric Impairments Among Older Patients Hospitalized For Acute Heart Failure or Coronary Artery Disease: Insights From the Get Going Trial  
Jonathan Buggy, Ahmad Younes, Parag Goyal, Ariela Orkaby, Robin Brusen, Christine Chung, Karen Alexander, Jonathan Afilalo, Scott L. Hummel, Richard Josephson, University Hospitals Cleveland Medical Center, Cleveland, OH, USA, University of Michigan, Ann Arbor, MI, USA

### Pulmonary Hypertension and Venous Thrombo-embolic Disease - Poster Contributions

#### Session #1256

#### Progress in Pulmonary Arterial Hypertension

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

373 - Pulmonary Arterial Hypertension Clinical Profiles and Survival Using Latent Class Analysis

Robert Colbert, Shi Huang, Timothy Thayer, Tufik Assad, Stephen Halliday, Reid D'Amico, James West, Evan Brittain, Vanderbilt University Medical Center, Nashville, TN, USA

374 - Clinical Impact of Creating a Predetermined Atrial Communication in the Management of Severe Pulmonary Hypertension Using the Atrial Flow Regulator Device

Joseph Vettukattil, Ramasamy Rajeshkumar, Nagib Dahdah, Dietmar Schranz, Ata Firouzi, Sven Dittrich, Daniel Springmüller, Vishal Kaley, Bennett Samuel, Kothandam Sivakumar, Spectrum Health Helen DeVos Children's Hospital, Grand Rapids, MI, USA

375 - Closing Educational Gaps in Pulmonary Hypertension: An Educational Intervention

Jelena Spyropoulos, Kelly Hanley, Medscape LLC, New York, NY, USA

376 - Left Ventricle Free Wall Mass Loss in a Monocrotaline Induced Pulmonary Hypertension Rat Model

Mateusz Holda, Jakub Holda, Kamil Tyrak, Grzegorz Kopec, Piotr Podolec, Department of Cardiac and Vascular Diseases, Institute of Cardiology, Jagiellonian University, Krakow, Poland

377 - Pulmonary Vasoreactivity Testing With Adenosine Predicts Long Term Hemodynamic Response to Prostacyclin Monotherapy, and Prostacyclin and Phosphodiesterase-5 Inhibitor Combination Therapy in Pulmonary Arterial Hypertension

Ramsey Wehbe, Jonathan Rich, Stuart Rich, Division of Cardiology, Department of Medicine, Northwestern University, Chicago, IL, USA

378 - The OPsumit® Users Registry: A Gender Subgroup Analysis of Patient Characteristics, Treatment Patterns and Survival in Pulmonary Arterial Hypertension

Vallerie V. McLaughlin, Richard Channick, Kelly M. Chin, Monika Brand, Erwan Muros-Le Rouzic, Mona Selej, Nick H. Kim, University of Michigan, Ann Arbor, MI, USA, Actelion Pharmaceuticals Ltd., Allschwil, Switzerland

### Special - Poster Contributions

#### Session #1239

#### How to Implement a Shared Decision Making Approach

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

111 - A Learning Curve for Shared Decision Making: The Impact of Physician Experience on Decision Aid Efficacy in Severe Aortic Stenosis

Megan Coylewright, Elizabeth O'Neill, Ariel Sherman, Megan J. Gerling, Kaavya Adam, Keren Xu, Stuart W. Grande, Harold L. Dauerman, Glyn Elwyn, Heart and Vascular Center, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

112 - Implementation of a Shared Decision Support Intervention For Patients Considering Destination Therapy Left Ventricular Assist Device: The DECIDE-LVAD Trial

Daniel D. Matlock, Jocelyn Thompson, Megan A. Morris, Colleen Kelley McIlvennan, Gracie Finnigan-Fox, Russell E. Glasgow, Erin C. Leister, Carmen



Lewis, Larry Allen, University of Colorado School of Medicine, Aurora, CO, USA

### Special - Poster Contributions

#### Session #1240

#### Generating Data to Improve Team Based Care

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

113 - ACC Post-PCI Bleeding Risk Pilot Study: Experience at Indiana University Health With Implementing This Quality Improvement Initiative  
Andrea L. Price, Indiana University Health, Indianapolis, IN, USA

114 - Discordance Between aPTTs Obtained Via Venipuncture and Peripherally Inserted Central Catheter: A Team-Based Approach to Problem Solving  
Cassandra D. Bengé, Abbie T. Burka, Henry Ooi, Elizabeth Heath, VA Tennessee Valley Healthcare System, Nashville, TN, USA, Lipscomb University College of Pharmacy, Nashville, TN, USA

### Special - Poster Contributions

#### Session #1241

#### FIT Clinical Decision Making: Pulmonary Hypertension, VTE, Congenital Heart Disease and Prevention

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

115 - Acquired Growing Pericardial Cyst With Recurrent Chronic Chest Pain  
Kelly Edebiri, Ahmed Selim, Majd Shaio, Newark Beth Israel Medical Center, Newark, NJ, USA

116 - Clozapine Induced Myocarditis: A Potentially Silent and Fatal Threat  
Sandrine Lebrun, Renee Dougherty, Rebecca Mazurkiewicz, Lenox Hill Hospital-Northwell Health, New York, NY, USA

117 - Familial Hypercholesterolemia: When Statins, Ezetimibe & PCSK9 Inhibitors Are Not Enough  
Isha Verma, Antonio Benicio Fernandez, Paul Thompson, Hartford Hospital, Hartford, CT, USA

118 - Sirolimus Associated Pericarditis  
Osama Kandalaf, Shazia Samanani, Hassaan Bin Aftab, Baystate Medical Center, Springfield, MA, USA

119 - Statin Therapy in a Primary Prevention Patient With Severe Hypercholesterolemia and Elevated Liver Enzyme Levels  
Jose Albuquerque, Rodrigo Kulchetski, Viviane Rocha, Marcio Miname, Wilson Salgado, Ana Chacra, Raul Santos, Heart Institute (InCor), University of São Paulo, São Paulo, Brazil

120 - Paradoxical Embolism From a Thrombus Straddling a Patient Foramen Ovale  
James Gardner, Faheem Ahmad, Islam Badawy, Mohamed Arekat, Franciscan Health Olympia Fields, Olympia Fields, IL, USA, Midwestern University, Downers Grove, IL, USA

121 - Pulmonary Hypertension: For Better or For Worse  
Jad Al Dana, Jordan Harry, Anna Catino, University of Utah School of Medicine, Department of Cardiology, Salt Lake City, UT, USA

122 - Cardiopulmonary Presentation of a Patient With XXXY Syndrome  
Jad Al Dana, James Wever-Pinzon, Anwar Tandar, Arvind Hoskoppal, Craig Robison, Ira L. Kraft, Jack Morshedzadeh, Stavros Drakos, James Fang, Jeffrey Turner, Dipayan Chaudhuri, University of Utah School of Medicine, Department of Cardiology, Salt Lake City, UT, USA

123 - A Rare Case of Pulmonary Hypertension With Megalosplenism  
Tieci Yi, Wenhui Ding, Wei Ma, Peking University First Hospital, Beijing, People's Republic of China

124 - Acute Injury Pattern on Electrocardiogram Following Interruption of Epoprostenol Infusion  
Adam Taleb, Saket Sanghai, Dennis Tighe, Alvaro Alonso, University of Massachusetts Medical School, Worcester, MA, USA

125 - Transient Severe Pulmonary Hypertension and Syncope Associated With Intravenous Methamphetamine Use  
Jason Costa, William Slater, New York University, New York, NY, USA

126 - Management of Submassive Pulmonary Embolism Complicated by Paradoxical Thrombus-in-Transit  
Fisayomi Shobayo, Ankit Upadhyay, Salman Arain, Igor Gregoric, Biswajit Kar, Ismael A. Salas De Armas, University of Texas Health Science Center, Houston, TX, USA

127 - Low-Dose Recombinant Tissue-Type Plasminogen Activator (rt-PA) Thrombolysis and Oral Factor Xa Inhibitor as Adjunctive Treatment in High-Risk Pulmonary Embolism (PE)  
Vicente Jimenez Franco, José Gildardo Paredes-Vázquez, Marcos Ibarra, Carlos Sanchez-Diaz, Felipe Valdes, Hernan Azpiri, Instituto de Cardiología y Medicina Vascular, TecSalud, Tecnológico de Monterrey, San Pedro Garza García, Mexico

128 - Giant Coronary Artery Ectasia and Athlete's Heart Mimicking an Acute Coronary Syndrome (ACS)  
Vicente Jimenez Franco, Hernan Azpiri, Luis Manautou, Carlos Sanchez-Diaz, Felipe Valdes, José Gildardo Paredes-Vázquez, Instituto de Cardiología y Medicina Vascular, TecSalud, Tecnológico de Monterrey, San Pedro Garza García, Mexico

129 - Mass in the Heart: Case For Rapid Multidisciplinary Evaluation of Pulmonary Embolism  
Yevgeniy Brailovsky, Kevin Simpson, Jason Frazier, John Lopez, Verghese Mathew, Amir Darki, Loyola University Medical Center, Maywood, IL, USA

130 - A Case of Pulmonary Hypertension Due to Atrial Septal Defect Complicated by Occult Chronic Thromboembolism  
Ammar Al Akshar, Jesus Almendral, Rajveer Sangera, Waseem Shami, Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ, USA

131 - Asymptomatic Patient With Complete Embolization of Right Atrial Myxoma Causing a Large Pulmonary Embolism  
Khalid Chungal, Haseeb Nawaz, Mercy St. Vincent Medical Center, Toledo, OH, USA

132 - Tumor or Clot? A Rare Case of Metastatic Myxoid Liposarcoma to the Right Ventricle Presenting as Pulmonary Tumor Embolism  
Ignacio De Cicco, Mateo Porres Aguilar, Ildiko Agoston, Debanshu Roy, Ariel Vinas, UTHSCSA, San Antonio, TX, USA

133 - Assessing Severity of Liver Disease in Fontan Failure: A Transplant Dilemma  
Lauren Terry Lastinger, Grant Wallace, Elisa Bradley, Ohio State University Medical Center, Columbus, OH, USA

134 - Missing Septum, Hidden Embolism: A Paradoxical Cause of Recurrent Myocardial Infarction in a Young Patient With Secundum Atrial Septal Defect  
Lauren Terry Lastinger, Grant Wallace, Elisa Bradley, Ohio State University Medical Center, Columbus, OH, USA





135 - An Unusual Cause of Dyspnea: Cirrhotic Cardiomyopathy With Concomitant Hepatopulmonary Syndrome and Portopulmonary Hypertension

Aditya Kotecha, Shanchiya Ravindradas, Rajavardhan Bandaru, Rohan Naik, Geetha Krishnamoorthy, Luis Afonso, Wayne State University, Detroit, MI, USA

136 - Dextrocardia as the Tip of the Iceberg

Kevin McElligott, Allan Chen, University of South Florida, Tampa, FL, USA

137 - Angina as a Sequela of a Congenital Heart Defect

Kevin McElligott, Arthur Labovitz, University of South Florida, Tampa, FL, USA

138 - Challenging Intervention in a Patient Presenting With Recurrent Pulmonary Embolism

George Jolly, Ramin Malekan, Gregg Lanier, Westchester Medical Center, Valhalla, NY, USA

139 - Anticoagulation Decisions For Treatment of Intra-Cardiac Thrombus

Izzah Vasim, Felix Nau, Aysha Amjad, Sujethra Vasu, Wake Forest Baptist Medical Center, Winston-Salem, NC, USA

140 - Take Off the Blinders: Don't Forget Chronic Thromboembolic Pulmonary Hypertension in the Differential Diagnosis of Unexplained Dyspnea

David Goldgrab, Bhaskar Arora, Konstadina Darsaklis, University of Connecticut, Farmington, CT, USA, Hartford Hospital, Hartford, CT, USA

142 - To Lyse or Not to Lyse: The Dangerous Right Ventricular Thrombus

Gaurang Vaidya, Lorrel Brown, University of Louisville, Louisville, KY, USA

143 - A Tale of Two Clots: Bilateral Extensive Deep Vein Thrombosis of Phlegmasia Cerulea Dolens Leading to Circulatory Shock and Death

Isaac Tea, Mario Caruso, Sharif Ahmed, Khalil Anouti, David Cohen, Lankenau Medical Center, Wynnewood, PA, USA

144 - Management of Thrombus in Transit Through a Patent Foramen Ovale

Mohamed Ayan, Aneesha Ananthula, Jawahar L. Mehta, Srikanth Vallurupalli, University of Arkansas for Medical Science, Little Rock, AR, USA

145 - Pulmonary Embolism Mimicking Acute ST-Segment Elevation Myocardial Infarction

Amr Idris, Ann Tong, University of Central Florida College of Medicine HCA GME Consortium, Gainesville, FL, USA, North Florida Regional Medical Center, Gainesville, FL, USA

146 - Right Atrial Thrombus in Transit Causing Peripheral Venous Congestion

Julio Perez-Downes, Cherisse Baldeo, Aaron Richardson, Martin Cerda, John Petersen, University of Florida College of Medicine, Jacksonville, FL, USA, University of Florida College of Medicine, Gainesville, FL, USA

147 - Inter-Atrial Saddle Thrombus: Crossing the PFO

Alexander Thomas Michaels, Sagger Mawri, Joseph Gibbs, Ruchir Patel, Michael Hudson, Henry Ford Hospital, Detroit, MI, USA

148 - Paradoxical Thrombus-in-Transit Caught in Patent Foramen Ovale

Rakshita Chandrashekar, Sushruth Edla, St. John Hospital and Medical Center, Detroit, MI, USA

149 - Pulmonary Hypertension Caused by Arteriovenous Fistula

Sena Kilic, Brown University, Providence, RI, USA, Rhode Island Hospital, Providence, RI, USA

150 - Unusual Cause of Pulmonary Hypertension

Rungrod Pangkoon, Tarinee Tangcharoen, Mann Chandavimol, Sutipong Jongjirasiri, Ramathibodi Hospital, Bangkok, Thailand

151 - Right Ventricular Thrombus: A Complication of Gender Reassignment Therapy

Natasha Mamdani, Matthew Krell, Marek Polomsky, Stephen Horgan, Atlantic Health System, Morristown, NJ, USA

152 - Searching For Keyzer Soze: Finding the Cause of Pulmonary Hypertension

Minkyung Kwon, Vichaya Arunthari, Neal Patel, Charles Burger, Mayo Clinic Florida, Jacksonville, FL, USA

153 - Conservative Management of Incidentally Diagnosed ALCAPA Syndrome in an Asymptomatic Adult

Bharath Rajagopalan, Zaid Said, Laura Ford-Mukkamala, Saurabh Malhotra, Tufts Medical Center, Boston, MA, USA, University at Buffalo, Buffalo, NY, USA

154 - Sinus of Valsalva Rupture in a Patient With a Bicuspid Aortic Valve

Jennifer Treece, Sowminya Arikapudi, Zia Ur Rahman, Tarvinder Gilotra, Vatsal Ladia, Kais Albalbissi, Terry Forrest, Harold Alison, East Tennessee State University, Johnson City, TN, USA, Veterans Affairs, Mountain Home, TN, USA

155 - Transposition of the Great Arteries, Pregnancy, Cardiac Arrest and ECMO: A Challenging Case

Nitika Dabas, Conrad Macon, Matthias Loebe, Nicolas Brozzi, Ali Ghodsizad, Amit Badiye, University of Miami, Miami, FL, USA, Jackson Memorial Hospital, Miami, FL, USA

156 - Unusual Complication of Permanent Pacemaker (PPM)

Pankil Desai, Sandhya Dhruvakumar, David Hsi, Stamford Hospital, Stamford, CT, USA

157 - Difficulty in Diagnosis of Right Aortic Arch in Hypoplastic Left Heart Syndrome With Intact Atrial Septum Requiring Emergent Intervention

Stephanie Goldstein, John Charpie, Jennifer Romano, University of Michigan, Ann Arbor, MI, USA

158 - Fever and Bacteriuria in Refractory Kawasaki Disease With Coronary Aneurysm: Recurrence or Urinary Tract Infection?

Rupesh Kumar Natarajan, Abraham Rothman, University of Nevada Las Vegas, Las Vegas, NV, USA

159 - Fetal Assessment of a Right Aortic Arch: Impact on Outcomes

Erin Faherty, Hari Rajagopal, Santosh Uppu, Miwa Geiger, Shubhika Srivastava, Mount Sinai Medical Center, New York, NY, USA

160 - Tetralogy of Fallot: Challenges of Late Complications

Cassandra Buto-Colletti, Walter Paulsen, Virginia Commonwealth University, Richmond, VA, USA

161 - Reactive Antitachycardia Pacing For Dual Chamber Epicardial Pacemaker in Complex Congenital Heart Disease

Justin Arunthamakun, Wayne Franklin, Dhaval Parekh, Christina Miyake, Charles Fraser, Wilson Lam, Baylor College of Medicine, Houston, TX, USA

162 - Giant Coronary Aneurysms in a Patient With Noonan Syndrome

Patrick Thurmond, Camille Richards, Emaad Khansur, Michael E. Hall, Giorgio Aru, William Campbell, Michael McMullan, University of Mississippi Medical Center, Jackson, MS, USA

163 - Following the Trail of Common to Find the Uncommon: A Case of Congenital Absence of the Pericardium (CAP)

Luis Paz Rios, Muhammad Talha Ayub, Ralph Matar, Sagar Ranka, Neha Yadav, John H. Stroger Jr. Hospital of Cook County, Chicago, IL, USA





164 - Congenital Superior Vena Cava Syndrome: A Rare Cause of Nonimmune Hydrops Fetalis

Natalie Behrle, Abhay Divekar, Children's Mercy Kansas City, Kansas City, MO, USA

165 - Mitral Valve Regurgitation After Fontan Procedure: When and Where to Repair

Himanshu Adlakha, Ruchika Karnik, David Adams, Khanh Nguyen, Barry Love, Mount Sinai Medical Center, New York, NY, USA

166 - Aortic Stenosis With Normal Valve Leaflets: An Unusual Manifestation of Adult Congenital Rubella

Anita Umayal Radhakrishnan, Patrick Chang, Allan Chen, University of South Florida, Tampa, FL, USA

167 - Last Vein Left: Dual Chamber Pacemaker Insertion Via Left Superior Vena Cava For Limited Venous Access

Jeffrey Berman, Shaun Mohan, Santiago Valdes, Dhaval Parekh, Wayne Franklin, Wilson Lam, Baylor College of Medicine, Houston, TX, USA

168 - What Is the Role For Surgery in This Middle-Aged Man Presenting With Severe Hypoxemia and Right Ventricular Failure?

Andrew Harris, James Lee, Tiffany Chen, Peter Leary, Eric V. Krieger, University of Washington, Seattle, WA, USA

169 - Importance of Multidisciplinary Management of Syndromic Adult Congenital Heart Disease: LEOPARD Syndrome

Aditya Goud, Sawan Jainapurkar, Amish Patel, Prashant Patel, Issa Alesh, Ashish Mukherjee, Ramdas Pai, University of California, Riverside, Riverside, CA, USA

170 - Better Late Than Never: A Delayed Diagnosis of Aortic Coarctation

Arthur Davis, Joey Staffod, Steven Costa, Gibbs Wilson, Baylor Scott and White, Temple, TX, USA

171 - Living With an Inferior Sinus Venosus Defect

Varda Singhal, Jonathan Cramer, Shane Tsai, Yiannis Chatzizisis, University of Nebraska Medical Center, Omaha, NE, USA

172 - Anomalous Left Main Coronary Artery: An Important Loner

Muhammad Khalid, Puja Sitwala, Vatsal Ladia, Kamesh Sivagnanam, Timir Paul, Kais Albalbissi, East Tennessee State University, Johnson City, TN, USA

173 - Complex Genotype Associated With a Complex Phenotype: Novel Variant Mutation in a 37 Year-Old Female With Left Ventricular Non-Compaction and Sustained Ventricular Tachycardia

Rola Khedraki, Rajeev Mohan, J. Heywood, Ajay Srivastava, Scripps Clinic, Prebys Cardiovascular Institute, La Jolla, CA, USA

174 - Anomalous Inferior Vena Cava to the Left Atrium

Jeremy Steele, Francine Erenberg, David Majdalany, Lourdes Prieto, Malek El Yaman, Cleveland Clinic Foundation, Cleveland, OH, USA

175 - Right Coronary Artery to Coronary Sinus Fistula Presenting With Pericardial Effusion

Amy Mertens, Richard Bloomingdale, Michael Gallagher, William Beaumont Hospital, Beaumont Health System, Royal Oak, MI, USA

176 - Anomalous Origin of Right Coronary Artery From the Pulmonary Artery: Originally Presenting as Gastroesophageal Reflux Disease

Ifesinachi Ndukwu, Vignesh Doraiswamy, William Davidson, Mehrdad Ghahramani, Pennsylvania State Hershey Medical Center, Hershey, PA, USA

177 - Unique Staged Surgical Palliation For Complex Congenital Heart Disease

Yaa Karikari, Joanna Lowisz, Rupali Gandhi, Andrew VanBergen, Advocate Children's Heart Institute, Oak Lawn, IL, USA

178 - More Than Just a Hole in the Heart: A Case of Holt-Oram Syndrome With Severe Left Ventricular Dysfunction

Robert Richmond, Tonga Nfor, A. Jamil Tajik, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

179 - Atrial Septal Defect in Adult Patient With Ebstein Anomaly: To Close or Not to Close?

Ahmed Kheiwia, Elyse Foster, Vaikom Mahadevan, Anushree Agarwal, Ian Harris, University of California San Francisco, San Francisco, CA, USA

180 - Apical Hypertrophic Cardiomyopathy With Myocardial Autoinfarction and Recurrent Pericarditis

Narayan Pokhrel, Charles Moore, Michael McMullan, William Campbell, Kristen H. Miller, Day S. Lennep, Kenneth Bennett, Michael E. Hall, University of Mississippi Medical Center, Jackson, MS, USA

181 - Scimitar Syndrome: An Unexpected Etiology of Right-Sided Heart Failure and Cardiac Cirrhosis in an Elderly Patient

Erica Pivato, Amit Arbune, Aleksandr Rovner, Khalil Murad, MetroHealth, Cleveland, OH, USA

182 - CorMatrix Mitral Valve Replacement in a 5 Month Old With Congenital Mitral Valve Abnormality

Carmen Kiper, Clifford Cua, Patrick McConnell, Nationwide Children's, Columbus, OH, USA

183 - Use of Multimodality Imaging and 3-Dimensional Printing to Guide Management of Interarterial Anomalous Right Coronary Artery

Zorana Mrcic, John P. Lichtenberger, Hunain Shiwani, Ron Blankstein, Todd Villines, Michael Cheezum, Walter Reed National Military Medical Center, Bethesda, MD, USA, Ft. Belvoir Community Hospital, Alexandria, VA, USA

184 - Scimitar Syndrome Diagnosed in Advanced Pregnancy: What to Do

Farhan Ashraf, Juan Carlos, Mahmoud Bayoumi, Nadish Garg, UTHSC, Memphis, TN, USA

185 - Severe Mitral and Left Ventricular Calcification as a Late Complication of Anomalous Left Main Coronary Artery From the Pulmonary Artery

Patrick Proctor, Leah J. Schoel, Satinder Singh, Pankaj Arora, Garima Arora, Marc Cribbs, University of Alabama at Birmingham, Birmingham, AL, USA

186 - Transcatheter Closure of a Rare Sinus of Valsalva to Right Atrium Communication Caused by Remote Transseptal Puncture With a Brockenbrough Needle

Andrew Thibodeaux, William Campbell, Michael E. Hall, Michael McMullan, University of Mississippi Medical Center, Jackson, MS, USA

187 - Maternal Sirolimus Therapy For Giant Obstructive Fetal Cardiac Rhabdomyomas

Benjamin Barnes, David Procaccini, Jude Crino, Karin Blakemore, Katherine Gibson, Katelynn G. Sagaser, Angie Jelin, Lasya Gaur, Johns Hopkins Hospital, Baltimore, MD, USA

188 - Evaluating Pulmonary Embolism in Patients With Fontan Physiology

Joel Beachey, Robert Jay Widmer, Jacob Colin Jentzer, Mayo Clinic, Rochester, MN, USA

189 - Venous Varices of the Heart: Spontaneous Thrombosis of an Anomalous Coronary Sinus

Emanuel Ebin, Melissa Moey, Saleen Khan, Constantin Marcu, East Carolina University, Greenville, NC, USA

190 - Anomalous Left Coronary Artery Presenting With Syncope and aVR ST-Segment Elevation

Kevin Ting, Venkatachalam Mulukutla, Wayne Franklin, Wilson Lam, Baylor College of Medicine, Houston, TX, USA



191 - Bilateral Coronary Artery Fistulas

Kartik Shatagopam, Jacob Mathew, Carilion Clinic, Ronaoka, VA, USA,  
Veterans Affairs, Salem, VA, USA

192 - Cyanosis as a Long Term Complication of Pulmonary Valve Surgical Valvotomy

Usman Bhatti, Ali Yousif, Sabrina Phillips, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

193 - Cor Triatriatum With Secondary Pulmonary Venous Hypertension and Right Lung Hypoplasia

Amer Hawatmeh, Mohammad Thawabi, Sarah Studyvin, Marc Cohen, Newark Beth Israel Medical Center, Newark, NJ, USA

194 - A Rare Cause of Peripartum Cardiomyopathy

Mahmoud Abdelghany, Mohamed Khalid Munshi, Suhayb Kadura, Vikrant Tambe, Monda Shehata, Randall G. Green, Jamal Ahmed, Traian Anghel, State University of New York, Upstate Medical University, Syracuse, NY, USA

195 - A Case of a Congenitally Absent Right Coronary Artery

Jerry Centeno, Fawzi Ameer, Zohair Hasan, Emmanuel Moustakakis, New York Presbyterian Queens, Queens, NY, USA

196 - Between a Shunt and a Hard Place: What Do You Fix?

Vishal Chauhan, Jesse Currier, Jamil Aboulhosn, Eric Yang, University of California Los Angeles, Department of Medicine, Division of Cardiology, Los Angeles, CA, USA, VA Greater Los Angeles, Department of Medicine, Division of Cardiology, Los Angeles, CA, USA

197 - Hypoxia in the Delivery Room: Do Not Forget the Heart!

Anshul Arora, Saurabhkumar Patel, Aarti Raghavan, Bonisha Sthapit, University of Illinois at Chicago, Chicago, IL, USA

198 - Congenital Left Ventricular-Right Atrial Communication: A Challenge in Right Side Pressure Estimation

Moustafa Elsheshtawy, Mahmoud Abdelghany, Jacob Shani, Manfred Moskovits, Maimonides Medical Center, Brooklyn, NY, USA, State University of New York, Upstate Medical University, Brooklyn, NY, USA

199 - A Common Presentation of an Uncommon Atrial Septal Defect

Moustafa Elsheshtawy, Mahmoud Abdelghany, Priatharsini Sriganesh, Kan Liu, Adnan Sadiq, Jacob Shani, Maimonides Medical Center, Brooklyn, NY, USA, State University of New York and Upstate Medical University, Syracuse, NY, USA

200 - An Unusual Finding in a 61 Year Old Male With Atypical Chest Pain

Mauro J. Taveras, Gerardo Zablah, Jonatan Nunez Breton, University of Miami and Jackson Memorial Hospital, Miami, FL, USA

201 - Importance of Surgical Anatomy in Planning Procedures in Adult Congenital Heart Disease Patients

Maan Malahfi, C. Huie Lin, Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, USA

202 - Ruptured Sinus of Valsalva at 18 Weeks of Pregnancy

Umar Rashid, Lenox Hill Hospital, New York, NY, USA

203 - Cor Triatriatum: A Rare and Unusual Cause of Cardioembolic Stroke

Martin Miguel Inocencio Amor, Steven Savella, Bart Steinberg, North Shore University Hospital, Manhasset, NY, USA

204 - Acute Rupture of Sinus of Valsalva Aneurysm: An Unusual Cause of Shortness of Breath

Martin Miguel Inocencio Amor, Alexander Volodarskiy, Rakesh Gupta, David Rosman, Long Island Jewish Medical Center, New Hyde Park, NY, USA

205 - A Year of Sleeping in the Recliner: Not Another Case of Heart Failure

Rimsha Hasan, Srikanth Vallurupalli, University of Arkansas for Medical Science, Little Rock, AR, USA

206 - The Tale of Two Coronaries: A New Anomalous Coronary Artery Variation

Dustin Hill, Maxim Olivier, Jorge Uribe, Arnold Einhorn, Orlando Health, Orlando, FL, USA

207 - An Isolated Right Bundle Branch Block in a Young Adult: A Unique Case of Cor Triatriatum Sinister

Divya Korpu, Ashish Basu, Advocate Illinois Masonic Medical Center, Chicago, IL, USA, Heart Center, Huntsville, AL, USA

208 - Cor Triatriatum: The Workup of a Rare Finding

George Prousi, Justin Guthier, Andrew Sumner, Larry Jacobs, Lehigh Valley Hospital, Allentown, PA, USA

### Special - Poster Contributions

#### Session #1242

#### Innovation in Continuing Medical Education

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

209 - Fundamentals of Cardiology: Planning, Implementation and Evaluation of a Training Course For Non-Cardiologists

Ebun Ebunlomo, Alpesh Shah, Melanie Lazarus, Jennifer Collins, Kari Stein, William A. Zoghbi, Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, USA

210 - Case-Based, Interactive Medical Education Significantly Improves Knowledge, Competence, and Performance of Cardiologists and PCPs Related to ACS Management

Amy Larkin, Mike LaCouture, Thomas O'Neil, Philippe Guedj, Suzanne Hughes, Medscape Education, New York, NY, USA

211 - Assessing Physician Knowledge on Optimal Management of Pulmonary Arterial Hypertension: Effectiveness of On-Demand Education

Javier Negron, Anne Sendaydiego, Marius Hoepfer, Medscape Education Global, New York, NY, USA, Hannover Medical School, Hannover, Germany

212 - Improving Stroke Prevention in Atrial Fibrillation: Effectiveness of Medical Education

Jelena Spyropoulos, Caroline Padbury, Medscape LLC, New York, NY, USA

### Valvular Heart Disease - Poster Contributions

#### Session #1258

#### Aortic Valve Therapies and Current Issues

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

391 - The Current Society of Thoracic Surgeons Model Reclassifies Mortality Risk in Patients Undergoing Transcatheter Aortic Valve Replacement

Arnav Kumar, Kimi Sato, Jyoti Narayanswami, Vivek Menon, Kinjal Banerjee, Anil Kumar Reddy Anumandla, Krystof Andress, Divyanshu Mohanane, Chetan Lokhande, Abhishek Sawant, Abdur Khan, Amar Krishnaswamy, E. Murat Tuzcu, Wael Jaber, Stephanie Mick, Lars Svensson, Samir Kapadia, Cleveland Clinic Foundation, Cleveland, OH, USA

392 - Cardiac and Geriatric Determinants of Functional Status and Survival in Older Adults Undergoing Transcatheter Aortic Valve Replacement

Mina Girgis, Nicolo Piazza, Giuseppe Martucci, Dae Hyun Kim, Jeffrey Popma, Sandra Lauck, John Webb, Anita Asgar, Louis Perrault, Thierry Lefevre, Marino Labinaz, Andre Lamy, Mark Peterson, Rakesh C. Arora, Nicolas



Noiseux, Philippe G  n  reux, Marco Spaziano, Jos   Morais, Jonathan Afilalo, McGill University, Montreal, Canada

393 - Contemporary Reasons and Clinical Outcomes For Patients With Severe, Symptomatic Aortic Stenosis Not Undergoing Aortic Valve Replacement

Liang Tang, Mario Goessl, Aisha Ahmed, Ross Garberich, Hiroki Niikura, Robert Farivar, Wesley Pedersen, Kevin Harris, Paul Sorajja, Minneapolis Heart Institute Foundation at Abbott Northwestern Hospital, Minneapolis, MN, USA, The Second Xiangya Hospital of Central South University, Hunan, People's Republic of China

394 - Aortic Valve Replacement and Outcomes in Patients With Severe Aortic Stenosis: Is It Black or White?

George Yankey, Zainab Samad, Angie Wu, Karen Chiswell, Larry Jackson, Jimica Wilson, Terrell Jones, Kevin Thomas, Duke University Medical Center, Durham, NC, USA

### Valvular Heart Disease - Poster Contributions

#### Session #1259

#### Bicuspid Valve, Aortopathy and Aortic Regurgitation

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

396 - Genetic Basis of Aortopathy in Bicuspid Valve Disease

Renuka Jain, Bijoy Khandheria, Susan Olet, Brianna Johnson, Denise Ignatowski, Lakshmi Muthukumar, A. Jamil Tajik, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA, Aurora Research Institute, Milwaukee, WI, USA

397 - Microbiology of Acute Severe Aortic Regurgitation Complicating Infective Endocarditis

Andrew Higgins, Serge Harb, Bo Xu, Paul Cremer, Yuping Wu, Gosta Pettersson, Steve Gordon, Nabin Shrestha, Brian Griffin, Wael Jaber, Venu Menon, Cleveland Clinic Foundation, Cleveland, OH, USA

398 - Long Term Outcomes After Aortic Valve Surgery in Patients With Asymptomatic Chronic Aortic Regurgitation and Preserved Left Ventricular Ejection Fraction: Role of Pre and Post-Operative Global Longitudinal Strain  
Tamanna Khullar, Alaa Alashi, Amgad Mentias, Douglas Johnston, A. Gillinov, L. Leonardo Rodriguez, Lars Svensson, Zoran Popovic, Brian Griffin, Milind Y. Desai, Cleveland Clinic Foundation, Cleveland, OH, USA

399 - Detection of Aneurysm of the Ascending Aorta in Patients With Aortic Regurgitation

Venkat Tondapu, Jordan Long, Sebastian Boland, Rohith Raghavendran, J. Ronald Mikolich, Sharon Regional Health Systems, Sharon, PA, USA, Northeast Ohio Medical University, Rootstown, OH, USA

400 - Aortic Valve Area/Peak Velocity Discordances in Bicuspid Aortic Valves  
Matthew W. Parker, Samuel Stone, Brooks Willar, Adedotun Ogunsua, Bryon Gentile, Gerard Aurigemma, Linda Pape, UMass Memorial Medical Center, Worcester, MA, USA

### Vascular Medicine - Poster Contributions

#### Session #1257

#### Predictors, Treatments and Outcomes in Peripheral Artery Disease

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

379 - CYP2C19 Status and Outcomes in the EUCLID Trial

Manesh R. Patel, Gretchen Heizer, Kenneth Mahaffey, F. Gerry Fowkes, Jeffrey Berger, Iris Baumgartner, Frank Rockhold, Peter Held, Brian Katona, Lars Norgren, William Jones, Juuso Blomster, William Hiatt, Duke Clinical Research Institute, Durham, NC, USA

381 - The Epidemiology of Non-Traumatic Major Lower Extremity Amputations in Texas

Anand Prasad, Marlene Garcia, Tyler Ellington, Brian Hernandez, Anu Kapadia, Joel Michalek, Susan Fisher-Hoch, Joseph McCormick, University of Texas Health Science Center San Antonio, San Antonio, TX, USA

382 - Traditional Cardiovascular Risk Factors and the Risk of Aortic Valve Disease: A Systematic Review

Michael K. Wang, Gabriel Lam, Pablo Lamelas, Xyza Brual, Ayman Al-Saleh, Madhu Natarajan, Koon Teo, Population Health Research Institute, Hamilton, Canada

383 - Serum  $\beta$ -Carotene Levels and Peripheral Arterial Disease: Results From 1999-2004 National Health and Nutrition Examination Survey (NHANES)

Xiaodong Zhuang, Lizhen Liao, Huimin Zhou, Zhimin Du, Xinxue Liao, Cardiology Department, First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, People's Republic of China, Key Laboratory on Assisted Circulation, Ministry of Health, Guangzhou, People's Republic of China

384 - Thyroxine 4 Levels and Increased Risk of Peripheral Arterial Disease

Xiaodong Zhuang, Xiuting Sun, Xinxue Liao, Cardiology Department, First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, People's Republic of China, Key Laboratory on Assisted Circulation, Ministry of Health, Guangzhou, People's Republic of China

385 - Environment-Wide Association Study to Identify Novel Factors Associated With Peripheral Arterial Disease: Evidence From the National Health and Nutrition Examination Survey (1999-2004)

Xiaodong Zhuang, Lizhen Liao, Ao Ni, Daya Yang, Yue Guo, Xueqin Wang, Xinxue Liao, Cardiology Department, First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, People's Republic of China, Key Laboratory on Assisted Circulation, Ministry of Health, Guangzhou, People's Republic of China

386 - Proprotein Convertase Subtilisin/Kexin Type 9 (pcsk-9) Inhibitors Improve Lipid Profile and Vascular Atherosclerotic Plaque Formation in High-Risk Familial Hypercholesterolemia

Haruki Sekiguchi, Eri Yamamoto, Takuro Abe, Akiko Sakai, Kayoko Sato, Nobuhisa Hagiwara, Institute of Cardiology, Tokyo Women's Medical University, Tokyo, Japan, National Hospital Organization, Yokohama Medical Center, Yokohama, Japan

387 - Comparing Ticagrelor and Aspirin With Clopidogrel and Aspirin in Patients With Peripheral Arterial Disease: Thrombus Burden Assessed by Optical Coherence Tomography

Mohammed Hasoon, Massoud A. Leesar, Xiao Yang, Joel Michalek, Thomas Milner, Taylor Hoyt, Marc Feldman, Mehmet Cilengiroglu, UT Health San Antonio, San Antonio, TX, USA

388 - The Relationship Between Emotional Status, Depression and Carotid Atheromatic Burden: The Corinthia Study

Evangelos Oikonomou, George Lazaros, Evangelia Christoforatu, Christos Chasikidis, Sotirios Tsalamandris, George-Angelo Papamikroulis, Georgia Vogiatzi, Margenti Papakonstantinou, Athina Goliopoulou, Maria Anastasiou, Maria Tousouli, Efthimia Stofa, Georgios Georgiopoulos, Panagiotis Theofilis, Dimitris Tousoulis, First Cardiology Clinic, 'Hippokraton' Hospital, National and Kapodistrian University of Athens, Athens, Greece

389 - Safety and Effect of Autologous Cultured Adipose-Derived Stem Cells in Patients With Non-Revascularizable Critical Limb Ischemia

Nataliya Yu Litvinova, Kateryna Amosova, Volodymyr Mishalov, Bogomolets National Medical University, Kyiv, Ukraine



390 - Demographic Factors and Causes Related to Early Readmission of Patient With Acute Cerebrovascular Disease: Analysis of 2,366,178 Hospitalizations  
Dominika Zoltowska, Yashwant Agrawal, Jagadeesh Kalavakunta, Vishal Gupta, Western University of Michigan, Kalamazoo, MI, USA, St. Joseph Mercy Oakland Hospital, Pontiac, MI, USA

### Special - Gaming

#### Session #6006

#### Engage @ACC.18 Studio: FIT Jeopardy: Battle of the International Chapters IV

Sunday, March 11, 2018, 1:45 p.m. - 2:15 p.m.

Engage@ ACC.18 Studio, Hall A/B

CME Hours: /CNE Hours:

1:45 p.m.

Engage @ACC.18 Studio: FIT Jeopardy International

### Acute and Stable Ischemic Heart Disease - International

#### Session #519

#### 17th Annual Maseri-Florio International Keynote

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 304 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Mary N. Walsh

Co-Chair: Paul J. Mather

2:00 p.m.

Introduction to Session

Mary N. Walsh

Indianapolis, IN

2:05 p.m.

The 17<sup>th</sup> Annual Maseri-Florio International Keynote: From Regulation to Inflammation: The Evolving Understanding of Coronary Artery Disease

Alfred A. Bove

Philadelphia, PA

2:55 p.m.

Interview with Alfred Bove, MD, PHD, MACC and Audience Question and Answer

Mary N. Walsh

Indianapolis, IN

2:55 p.m.

Interview with Alfred Bove, MD, PHD, MACC and Audience Question and Answer

Paul J. Mather

Philadelphia, PA

3:25 p.m.

Presentation of Plaque

### Acute and Stable Ischemic Heart Disease - International

#### Session #520

#### Management of Non-culprit Lesions in STEMI Patients With Multivessel Coronary Artery Disease: Is it Really a Small World After All?: International Perspectives From the Brazilian Society of Cardiology, Israel Heart Society, and American College of Cardiol

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 304 E

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Robert A. Shor

Co-Chair: Ran Kornowski

Co-Chair: Oscar Pereira Dutra

2:00 p.m.

Case Study 1: STEMI With Multivessel Coronary Artery Disease, but not in Cardiogenic Shock: How Should we Treat the Patient?

Ronen Jaffe

Haifa, Israel

2:06 p.m.

How Would Brazil Manage the Non-culprit Lesion in STEMI With Multivessel Coronary Artery Disease Based on EBM and According to the Local Practice?

Rogerio E. G. Sarmento Leite

Porto Alegre, Brazil

2:18 p.m.

Conclusion: STEMI With Multivessel Coronary Artery Disease, but not in Cardiogenic Shock: How did we Treat the Patient?

Ronen Jaffe

Haifa, Israel

2:24 p.m.

Moderated Panel Discussion - How to Best Treat the Non-culprit Lesions During a STEMI Without Cardiogenic Shock?

2:36 p.m.

Case Study 2: STEMI With Multivessel CAD in Cardiogenic Shock: How Should we Treat the Patient?

Ludhmila Abrahao Hajjar

São Paulo, Brazil

2:42 p.m.

How Would Israel Manage STEMI With Multivessel CAD in Cardiogenic Shock Based on EBM and According to the Local Practice?

Israel Barbash

Ramat Gan, Israel

2:54 p.m.

Conclusion: STEMI With Multivessel CAD in Cardiogenic Shock: How Did we Treat the Patient?

Ludhmila Abrahao Hajjar

São Paulo, Brazil

3:00 p.m.

Moderated Panel Discussion - How to Best Treat STEMI Patients With Multivessel CAD in Cardiogenic Shock?

3:12 p.m.

How to Manage STEMI Patients With Multivessel Coronary Artery Disease Based on Guidelines and Contemporary: Current Perspectives and Future Directions

Jay S. Giri

Philadelphia, PA

3:24 p.m.

Conclusion and Take Home Message

Ran Kornowski

Petach-Tikva, Israel

3:26 p.m.

Conclusion and Take Home Message

Oscar Pereira Dutra

Porto Alegre, Brazil

3:28 p.m.

Conclusion and Take Home Message

Robert A. Shor

Reston, VA



### Acute and Stable Ischemic Heart Disease - Scientific Session #692

#### The Science and Magic of Decision Making: The Hogwarts Approach to Ischemic Heart Disease

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 206 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Benjamin M. Scirica

Co-Chair: Harvey D. White

Panelist: John A. Bittl

Panelist: Hani Jneid

Panelist: Freek W. A. A. Verheugt

Panelist: Faisal Bakaeen

2:00 p.m.

Harry Potter's Case Presentation: A Patient With History of Atrial Fibrillation Who Presents With Acute Myocardial Infarction Requiring PCI

Rasha Al-Bawardy

Boston, MA

2:04 p.m.

Hermoine Granger's Scientific Review: Direct Oral Anticoagulants (DOACs) and Anti Platelet Therapy Post-PCI

Matthew William Sherwood

Arlington, VA

2:13 p.m.

Albus Dumbledore's Magical Decision-Making: Single, Dual or Triple Therapy--What Is Best?

Freek W. A. A. Verheugt

Amsterdam, Netherlands

2:20 p.m.

Wizards (Panel) Discussion With Muggles (Audience) Question and Answer on "Single, Dual, or Triple Therapy--What is Best?"

2:30 p.m.

Harry Potter's Case Presentation: A TAVR Candidate With Multivessel Coronary Artery Disease

Kiruthika Balasundaram

New York, NY

2:34 p.m.

Hermoine Granger's Scientific Review: What is the Evidence for Pre-TAVR Coronary Revascularization?

Matthew Aaron Cavender

Chapel Hill, NC

2:43 p.m.

Albus Dumbledore's Magical Decision-Making: to Stent or Not to Stent Before TAVR?

Hani Jneid

Houston, TX

2:50 p.m.

Wizards (Panel) Discussion With Muggles (Audience) Question and Answer on "To Stent or not to Stent Before TAVR?"

3:00 p.m.

Harry Potter's Case Presentation: STEMI With Multivessel Coronary Artery Disease

Arpit Shah

New York, NY

3:04 p.m.

Hermoine Granger's Scientific Review: What Is the Evidence for Non-Culprit Revascularization in STEMI?

Jacqueline E. Tamis-Holland

New York, NY

3:13 p.m.

Albus Dumbledore's Magical Decision-Making: When to Perform Non-Culprit PCI in Patients Presenting With STEMI?

John A. Bittl

Ocala, FL

3:20 p.m.

Wizards (Panel) Discussion With Muggles (Audience) Question and Answer on "When to Perform Non-Culprit PCI in Patients Presenting With STEMI?"

### Arrhythmias and Clinical EP - Scientific

#### Session #691

#### Left Atrial Appendage Exclusion for AF: Who, How and When?

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 314 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Srinivas Dukkipati

Co-Chair: Kenneth A. Ellenbogen

2:00 p.m.

Antithrombotic Therapy Post LAA Exclusion: A Case Challenge

Marie-Noelle S. Langan

New York, NY

2:10 p.m.

Question and Answer

2:22 p.m.

LAA Exclusion: Cases of Complications and Their Management

Dhanunjaya R. Lakkireddy

Leawood, KS

2:32 p.m.

Question and Answer

2:44 p.m.

LAA Exclusion: A Review of Current Literature

Jonathan P. Piccini

Durham, NC

2:55 p.m.

Question and Answer

3:07 p.m.

LAA Exclusion: Defining Patient Selection: A Case Based Approach

David J. Wilber

Maywood, IL

3:17 p.m.

Question and Answer

### Congenital Heart Disease - Scientific

#### Session #693

#### Congenital Heart Disease Registries: Why I Participate and You Should Too!

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 208 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Melanie Everitt

Co-Chair: Sara K. Pasquali





2:00 p.m.

Congenital Registries: An Interactive, Moderated Panel Discussion With Audience Question and Answer

Panelist: CHSS

Carl L. Backer  
Chicago, IL

Panelist: Pediatric Heart Transplant Study

Melanie Everitt  
Englewood, CO

Panelist: PC4

Michael Gaies  
Ann Arbor, MI

Panelist: PINNACLE

Stacie L. Daugherty  
Aurora, CO

Panelist: IFCIR

Anita Moon-Grady  
San Francisco, CA

Panelist: STS

John E. Mayer  
Boston, MA

Panelist: IMPACT

Robert N. Vincent  
Atlanta, GA

3:00 p.m.

Congenital Registries: An Open Discussion

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1532

**Hands-On Simulation Skills Training: Immersive Simulation Station . . . Guideline-directed Heart Failure Care Utilizing Full-body Manikin**  
**Sunday, March 11, 2018, 2:00 p.m. - 3:00 p.m.**

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

2:00 p.m.

Faculty  
Hampton Crimm  
Bethesda, MD

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1533

**Hands-On Simulation Skills Training: Procedural Skill Station . . . Including Echocardiography and Right Heart Catheterization**  
**Sunday, March 11, 2018, 2:00 p.m. - 3:00 p.m.**

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

2:00 p.m.

Faculty  
Laura Davidson  
Chicago, IL

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning

#### Session #1534

**Hands-On Simulation Skills Training: Shared Decision-making Simulation Station . . . Improve Your Patient Communication Techniques**

**Sunday, March 11, 2018, 2:00 p.m. - 3:00 p.m.**

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

2:00 p.m.

Faculty  
Sohah Iqbal  
New York, NY

### Heart Failure and Cardiomyopathies - Scientific

#### Session #694

**Putting Key Guideline Recommendations Into Day-to-Day Practice: A Case Based Approach From the Masters**

**Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.**

**Room 315 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Biykem Bozkurt

Co-Chair: Mariell Jessup

Panelist: Margaret T. Bowers

Panelist: Lynne Warner Stevenson

2:00 p.m.

Case Presentation: Heart Failure and Preserved Ejection Fraction

Akshay S. Desai  
Boston, MA

2:15 p.m.

Case Presentation: Management of Hypertension

Shweta R. Motiwala  
Waban, MA

2:30 p.m.

Case Presentation: Utilization of Biomarkers

James L. Januzzi  
Wellesley, MA

2:45 p.m.

Case Presentation: Treatment of Anemia

William Abraham  
Columbus, OH

3:00 p.m.

Case Presentation: Managing Sleep Disorders

Ali Javaheri  
Philadelphia, PA

3:15 p.m.

Panel Discussion

### Heart Failure and Cardiomyopathies - Scientific

#### Session #695

**Revisiting Hemodynamics and Monitoring Devices**  
**Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.**

**Room 312 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Donna M. Mancini

Co-Chair: James O. Mudd

2:00 p.m.

Invasive Hemodynamics Revisited: When and for Whom



Mark H. Drazner  
Dallas, TX

2:12 p.m.  
Exercise Hemodynamics: Deciphering the DaVinci Code?  
Barry Borlaug  
Rochester, MN

2:24 p.m.  
RV Dysfunction Post LVAD: Hemodynamic Predictors  
Michael S. Kiernan  
Wellesley, MA

2:36 p.m.  
Outpatient Hemodynamic Monitoring  
Celeste T. Williams  
West Bloomfield, MI

2:48 p.m.  
Should We Be Using Pulmonary Artery Sensors in Our LVAD Patients?  
Lee R. Goldberg  
Philadelphia, PA

3:00 p.m.  
Case Discussion and Question and Answer

3:16 p.m.  
Challenging Hemodynamic Cases  
Edo Y. Birati  
Wynnewood, PA

3:23 p.m.  
Challenging Cases in Outpatient Monitoring and Use of CardioMems  
Cher Hagaman  
Huntington Beach, CA

### Interventional Cardiology - Live Cases

#### Session #205

#### Interventional Live Case Session V: Structural Transmission From Minneapolis Heart Institute

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Main Tent, Hall C

CME Hours: 1.5 /CNE Hours: 1.5

Live Case Operator: Paul Sorajja  
Live Case Operator: Emmanouil S. Brilakis  
Co-Chair: Stefan K. James  
Co-Chair: David Gerard Rizik  
Panelist: Saif Anwaruddin  
Panelist: Suzanne Baron  
Panelist: Gennaro Sardella  
Panelist: E. Murat Tuzcu  
Panelist: Frederick G.P. Welt

### Interventional Cardiology - Scientific

#### Session #698

#### Multi-Modality Imaging for Left Atrial Appendage Closure: Pearls From the Experts

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 205 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Stamatios Lerakis  
Co-Chair: Jacqueline W. L. Saw  
Panelist: Matthew James Daniels  
Panelist: Stamatios Lerakis  
Panelist: Feroze Mahmood  
Panelist: Matthew J. Price

2:00 p.m.  
Case Presentation: LAA-O Pre-Procedural Imaging TEE  
Frank E. Silvestry  
Philadelphia, PA

2:05 p.m.  
LAA-O: Pre-Procedural Imaging TEE... Can I Close That Appendage?  
Konstantinos Koulogiannis  
Morristown, NJ

2:15 p.m.  
LAA-O Pre-Procedural Planning CT/MRI: What Can We Learn/How I Have Incorporated Into My Routine  
Jacqueline W. L. Saw  
Vancouver, Canada

2:25 p.m.  
LAA-O Pre-Procedural Planning: 3D Printing  
Feroze Mahmood  
Boston, MA

2:35 p.m.  
Intra-Procedural Imaging: TEE, ICE and Fluoro, Bringing It All Together  
Matthew J. Price  
La Jolla, CA

2:45 p.m.  
Have We Met Release Criteria? Imaging Checklist  
Frank E. Silvestry  
Philadelphia, PA

2:55 p.m.  
45 Day Post Procedural TEE: When Do I Have to Continue OAC  
Asma Hussaini  
Los Angeles, CA

3:05 p.m.  
Deep Dive in the Anatomy and Embryology of the Left Atrial Appendage  
Renu Virmani  
Gaithersburg, MD

3:15 p.m.  
Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #699

#### The Good, the Bad, and the Ugly: The Best Cases and Worst Complications, and Lessons Learned

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 204 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Carlo Briguori  
Co-Chair: Lawrence A. Garcia  
Panelist: Mauricio G. Cohen  
Panelist: Andrew J. Klein  
Panelist: Sahil A. Parikh

2:00 p.m.  
Case Presentation: Access Disaster! Save Me!  
Carlo Briguori  
Naples, Italy

2:10 p.m.  
Panel Discussion With Audience Question and Answer

2:15 p.m.



Case Presentation: Endovascular Perforations- Stop the Bleeding!!

Andrew J. Klein  
Atlanta, GA

2:25 p.m.

Panel Discussion With Audience Question and Answer

2:30 p.m.

Case Presentation: My Best Innovative Case to Come Out on Top

Mauricio G. Cohen  
Miami, FL

2:40 p.m.

Panel Discussion With Audience Question and Answer

2:45 p.m.

Case Presentation: Distal Embolization- Look Out Below (or Above)!

Sahil A. Parikh  
New York, NY

2:55 p.m.

Panel Discussion With Audience Question and Answer

3:00 p.m.

Case Presentation: My Best Combined Access Case to Overcome Long

Occlusive PVD  
Nelson L. Bernardo  
Washington, DC

3:10 p.m.

Panel Discussion With Audience Question and Answer

3:15 p.m.

Case Presentation: My Best or Worse Carotid Case

Prakash Krishnan  
Rye Brook, NY

3:25 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #700

**Debates in Percutaneous Mechanical Support for Cardiogenic Shock:  
Joint Symposium by the Society of Cardiovascular Angiography and  
Interventions and the American College of Cardiology**  
Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 203 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Cindy L. Grines

Co-Chair: Susanna Price

Panelist: Sripal Bangalore

Panelist: Perwaiz M. Meraj

Panelist: Sandeep Nathan

Panelist: Arnold H. Seto

2:00 p.m.

Cardiogenic Shock: Where Are We in 2018?

Judith S. Hochman  
New York, NY

2:00 p.m.

Debate Pro: Intra-Aortic Balloon Pump- Still a Role for My Old Friend?

Thomas D. Stuckey  
Greensboro, NC

2:00 p.m.

Debate Con: Intra-Aortic Balloon Pump- Still a Role for My Old Friend?

Holger Thiele  
Leipzig, Germany

2:00 p.m.

Panel Discussion With Audience Question and Answer

2:00 p.m.

Debate: If IABP Is Out, What Should I Use for Isolated LV Failure? - Impella

Thomas Tu  
Louisville, KY

2:00 p.m.

Debate: If IABP Is Out, What Should I Use for Isolated LV Failure? - Tandem

Biswajit Kar  
Houston, TX

2:00 p.m.

Panel Discussion With Audience Question and Answer

2:00 p.m.

Why Fool Around, Shouldn't We Just Use ECMO?

Hari Mallidi  
Boston, MA

2:00 p.m.

Devices for the Failing RV

Navin Kapur  
Hanover, MA

2:00 p.m.

Panel Discussion With Questions and Answer

### Interventional Cardiology - Scientific Session #701

**Percutaneous Approach to the Mitral Valve: REPAIR or REPLACE-  
That Is the Question!**

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 202 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Howard C. Herrmann

Co-Chair: Samin K. Sharma

Panelist: Ted Feldman

Panelist: D. Scott Lim

Panelist: Konstantinos S. Spargias

2:00 p.m.

Cases and Evidence to Show Success and Failure of MitraClip for Functional  
MR Based on Patient Selection

Ted Feldman  
Evanston, IL

2:10 p.m.

Panel Discussion With Audience Question and Answer

2:15 p.m.

Cases of TMVR When Repair Is Unlikely to Work, Which Patients Should We  
Target for TMVR?

Michael J. Mack  
Plano, TX

2:25 p.m.

Panel Discussion With Audience Question and Answer

2:30 p.m.

Cases of MitraClip When TMVR Was an Option - Why Not TMVR?



D. Scott Lim  
Charlottesville, VA

2:40 p.m.  
Panel Discussion With Audience Question and Answer

2:45 p.m.  
When to Use Percutaneous Annuloplasty - Case Based Explanation  
Gian Paolo Ussia  
Rome, Italy

2:55 p.m.  
Panel Discussion With Audience Question and Answer

3:00 p.m.  
Three Difficult Anatomies for MitraClip in Degenerative MR  
Samir R. Kapadia  
Cleveland, OH

3:10 p.m.  
Panel Discussion With Audience Question and Answer

3:15 p.m.  
Cases of Complications of MitraClip and Review of the Literature  
Saibal Kar  
Los Angeles, CA

3:25 p.m.  
Panel Discussion With Audience Question and Answer

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)  
Scientific - Session #696  
Unique Contributions of CMR to Clinical Cardiology: Joint  
Symposium of the Society for Cardiovascular Magnetic Resonance  
and the American College of Cardiology  
Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.  
Room 311 A  
CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Andrew J. Powell  
Co-Chair: Matthias Stuber

2:00 p.m.  
First-Pass Perfusion CMR: The New Clinical Gold Standard for Imaging  
Myocardial Ischemia?  
Juerg Schwitler  
Lausanne, Switzerland

2:15 p.m.  
Imaging Myocardial Inflammation: Novel CMR Criteria With Unprecedented  
Diagnostic Accuracy  
Matthias Gero Friedrich  
Montreal, Canada

2:30 p.m.  
Parametric CMR Mapping: How Virtual Myocardial Biopsy Becomes a Reality  
James C. Moon  
London England W1G 8PH, United Kingdom

2:45 p.m.  
The CMR EP Lab: How EP Interventions Can Be Done Without X Rays  
Gerhard Hindricks  
Saxonia Leipzig, Germany

3:00 p.m.  
CMR of Cardiotoxicity: How We Can Guide Chemotherapy in Oncology by  
CMR?

W. Gregory Hundley  
Winston Salem, NC

3:15 p.m.  
Question and Answer

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)  
Scientific - Session #697  
Stress Echocardiography: Ischemia, Valves, Perfusion and More!  
Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.  
Room 308 A  
CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Patricia A. Pellikka  
Co-Chair: Roxy Senior

2:00 p.m.  
Practical Tips and Tricks for Optimal Stress Echocardiography  
Jayne Cleve  
Raleigh, NC

2:15 p.m.  
Low-Gradient, Low-Ejection Fraction Aortic Stenosis  
Michael Malkowski  
Wexford, PA

2:30 p.m.  
Assessment of Mitral Valve Disease  
Paul A. Grayburn  
Dallas, TX

2:45 p.m.  
Stress Echo for Diastolic Function  
Jens-Uwe Voigt  
Leuven, Belgium

3:00 p.m.  
Contrast and Its Role in Stress Echocardiography  
Thomas Richard Porter  
Omaha, NE

3:15 p.m.  
Question and Answer

**Prevention - Scientific  
Session #703  
The PCSK9 Inhibitor Era: Making the Jump to Light Speed  
Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.  
Room 308 C  
CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Vera Bittner  
Co-Chair: Robert S. Rosenson  
Panelist: Brian A. Ference  
Panelist: Pamela Bowe Morris  
Panelist: Carl E. Orringer  
Panelist: Salim S. Virani

2:00 p.m.  
PCSK9 Inhibitors: What Have the Trials Taught Us?  
Carl E. Orringer  
Miami, FL

2:12 p.m.  
Prescribing PCSK9 Inhibitors: Gaps in the Evidence  
Salim S. Virani  
Houston, TX



2:24 p.m.

PCSK9 Inhibitors: Do They Hit the Sweet Spot?

Brian A. Ference

Novi, MI

2:36 p.m.

Right Patient, Right Drug: What Does the Evidence Tell Us?

Jennifer Robinson

Iowa City, IA

2:48 p.m.

Coming to Consensus: Putting It All Together

Pamela Bowe Morris

Mount Pleasant, SC

3:00 p.m.

Panel Discussion With Audience Question and Answer

### **Pulmonary Hypertension and Venous Thrombo-embolic Disease - Scientific**

#### **Session #702**

**Demystifying the Diagnosis of Pulmonary Arterial Hypertension: What Does a Cardiologist Really Need to Know?**

**Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.**

**Room 312 C**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Christopher Barnett

Co-Chair: Michael A. Mathier

2:00 p.m.

Moderator: Highlights From the 6th World Symposium on Pulmonary Hypertension

Vallerie V. McLaughlin

Ann Arbor, MI

Panelist: Nazzareno Galié

Panelist: Nicholas Kim

Panelist: Lewis J. Rubin

Panelist: Gérald Simonneau

2:00 p.m.

Fellow-in-Training Case Presentation

Srinath Adusumalli

Philadelphia, PA

2:05 p.m.

More Than Just the RVSP Estimate - The True Role of Echocardiography in the Diagnosis of PAH

Paul Forfia

Philadelphia, PA

2:15 p.m.

Fellow-in-Training Case Presentation Follow up

Srinath Adusumalli

Philadelphia, PA

2:16 p.m.

More Than Just Echocardiography - Essential Imaging Modalities in the Evaluation of PAH

Benjamin H. Freed

Wilmette, IL

2:26 p.m.

Fellow-in-Training Case Presentation Follow up

Srinath Adusumalli

Philadelphia, PA

2:27 p.m.

Differentiating PAH From HFpEF

Anna Hemnes

Nashville, TN

2:37 p.m.

Fellow-in-Training Case Presentation Follow up

Srinath Adusumalli

Philadelphia, PA

2:38 p.m.

Pearls and Pitfalls in the Hemodynamic Evaluation of PAH

Jeremy Aryeh Mazurek

Philadelphia, PA

2:48 p.m.

Fellow-in-Training Case Presentation Follow up

Srinath Adusumalli

Philadelphia, PA

2:49 p.m.

Panel Discussion: Updates from the 6th World Symposium on Pulmonary Hypertension

### **Special - Intensive**

#### **Session #55**

**A General Cardiologist's Real-world Approach to Adult Congenital Heart Disease: An Interactive Intensive II — Adult Congenital Heart Disease and Depressed EF**

**Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.**

**Room 209 B**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Michael J. Landzberg

Co-Chair: Keri M. Shafer

Panelist: Yonatan Buber

Panelist: Frank Cecchin

Panelist: Susan M. Fernandes

Panelist: Yuli Y. Kim

Panelist: C. Huie Lin

2:00 p.m.

Welcome and Recap of the Interactive Format

Keri M. Shafer

Boston, MA

2:05 p.m.

A (Practical) How To Approach: Heart Failure in Adult Congenital Heart Disease

Michael J. Landzberg

Boston, MA

2:05 p.m.

A (Practical) How To Approach: Heart Failure in Adult Congenital Heart Disease

Keri M. Shafer

Boston, MA

2:45 p.m.

Indications for EP studies and ICDs in Adult Congenital Heart Disease

Frank Cecchin

New York, NY

2:55 p.m.

Hands-on 3D and Digital Congenital Heart Disease Models





Stephen Sanders  
Boston, MA

3:15 p.m.  
Your Adult Congenital Heart Disease Patient is Waiting to be Seen: Review of Key Concepts II  
Michael J. Landzberg  
Boston, MA

3:15 p.m.  
Your Adult Congenital Heart Disease Patient is Waiting to be Seen: Review of Key Concepts II  
Keri M. Shafer  
Boston, MA

### Special - Symposium

#### Session #109

#### Cardiovascular Update for the Clinician Session IV: Rhythm Disorders (A Symposium by Valentin Fuster)

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 311 E

CME Hours: 1.5 /CNE Hours: 1.5

Chair: Valentin Fuster  
Panelist: Michael Robert Gold  
Panelist: Francis E. Marchlinski  
Panelist: Vivek Yerrapu Reddy

2:00 p.m.  
Subcutaneous ICDs, CRTs New Indications, Leadless Pacemakers Who?, How?, When?  
Michael Robert Gold  
Charleston, SC

2:20 p.m.  
Atrial Fibrillation - The 14 Non-Ablation Challenges Who?, How?, When?  
Valentin Fuster  
New York, NY

2:40 p.m.  
Atrial Fibrillation - Catheter Ablation Who?, How?, When?  
Francis E. Marchlinski  
Bala Cynwyd, PA

3:00 p.m.  
Ventricular Tachycardia - Catheter Ablation Who?, How?, When?  
Vivek Yerrapu Reddy  
New York, NY

3:15 p.m.  
Panel Discussion

### Valvular Heart Disease - Hands-on Skills Learning

#### Session #1531

#### Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform

Sunday, March 11, 2018, 2:00 p.m. - 3:00 p.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: /CNE Hours:

2:00 p.m.  
Faculty: Clinical Judgement Challenge Station  
Jason Linefsky  
Decatur, GA

### Valvular Heart Disease - Scientific Session #704

#### The Right Stuff: Tricuspid and Pulmonic Valve Disease

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 307 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jeroen J. Bax  
Co-Chair: Rebecca T. Hahn  
Panelist: Steven F. Bolling  
Panelist: Jose Navia  
Panelist: Martin B. Leon  
Panelist: Yan Topilsky

2:00 p.m.  
The Scope of Problem: Why We Should Remember the Right Heart and Its Valves

Jeroen J. Bax  
ZA Leiden, Netherlands

2:10 p.m.  
Who Are the Patients With Functional Tricuspid Regurgitation?  
Rebecca T. Hahn  
New York, NY

2:20 p.m.  
Panel Discussion

2:30 p.m.  
Surgical Interventions for Functional Tricuspid Regurgitation: Indications, Risks and Benefits  
Jose Navia  
Cleveland, OH

2:40 p.m.  
Are Transcatheter Devices for Functional TR the Answer?  
Francesco Maisano  
Zurich, Switzerland

2:50 p.m.  
Panel Discussion

3:00 p.m.  
The Spectrum of Pulmonic Valve Disease and Its Surgical Treatment  
David Hoganson  
Brookline, MA

3:10 p.m.  
Surgical Versus Transcatheter Valve Options in Patients With Prior Pulmonic Valve Surgery  
Shabana Shahanavaz  
St Louis, MO

3:20 p.m.  
Panel Discussion

### Vascular Medicine - Core Curriculum

#### Session #811

#### Head to Toe Vascular Disease

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 207 A

CME Hours: 1.5 /CNE Hours: 1.5

Chair: Manesh R. Patel

2:00 p.m.



Claudication: Noninvasive Workup and Indications for Pharmacologic Treatment

Heather L. Gornik  
Cleveland, OH

2:20 p.m.

Critical Limb Ischemia: When and How to Intervene  
Douglas E. Drachman  
Waban, MA

2:40 p.m.

Carotid Artery Stenting: Identifying the Optimal Patient  
Timothy A. Mixon  
Temple, TX

3:01 p.m.

Panel Discussion Moderator  
Manesh R. Patel  
Durham, NC

3:01 p.m.

Panel Discussion With Question and Answer

### Vascular Medicine - Oral Contributions

#### Session #906

#### Highlighted Original Research: Vascular Medicine and the Year in Review

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 307 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Herbert D. Aronow

Co-Chair: Nicholas Leeper

2:00 p.m.

Year in Review Speaker  
Victor Aboyans  
Limoges, France

2:12 p.m.

Major Bleeding in Patients With Peripheral Artery Disease: Insights From the EUCLID Trial

William Schuyler Jones, Rachael Ward, Zhen Huang, Frank Rockhold, Iris Baumgartner, Jeffrey Berger, Juuso Blomster, F. Gerry Fowkes, Brian Katona, Kenneth Mahaffey, Lars Norgren, Rajendra Mehta, Thomas Povsic, Sreekanth Vemulapalli, William Hiatt, Manesh R. Patel, Duke Clinical Research Institute, Durham, NC, USA

2:22 p.m.

Discussion

2:25 p.m.

PCSK9: A Novel Mediator For HIV-Induced Coronary Artery Endothelial Dysfunction

Thorsten Leucker, Michael Schar, Micaela Iantorno, Richard Moore, Robert Weiss, Gary Gerstenblith, Allison Hays, Johns Hopkins University, Baltimore, MD, USA

2:35 p.m.

Discussion

2:38 p.m.

Risk of Obstructive Coronary Artery Disease and Major Adverse Cardiac Events in Patients With Non-Coronary Atherosclerosis: Insights From the Veterans Affairs Clinical Assessment, Reporting and Tracking (CART) Program

Antonio Gutierrez, Deepak Bhatt, Subhash Banerjee, Thomas Glorioso, Meg Plomondon, Rajesh Swaminathan, Thomas M. Maddox, Ehrin J. Armstrong, Claire Duvernoy, Stephen Waldo, Sunil V. Rao, Durham VA Medical Center, Durham, NC, USA, Duke University Medical Center, Durham, NC, USA

2:48 p.m.

Discussion

2:51 p.m.

Akt1-Mediated Skeletal Muscle Growth Promotes Angiogenesis by Enhancing Heme Oxygenase-1 Expression in Surrounding Endothelial Cells

Yasuhiro Izumiya, Yoshiro Onoue, Shinsuke Hanatani, Kenichi Tsujita, Kumamoto University Hospital, Kumamoto, Japan

3:01 p.m.

Discussion

3:04 p.m.

Automated Data Extraction From Electronic Health Records to Create Novel Prognostic Models For Peripheral Artery Disease

Adelaide Maria Arruda-Olson, Naveed Afzal, Vishnu Priya Mallipeddi, Ahmad Said, Homam Moussa Pacha, Alisha Chaudhry, Christopher Scott, Kent Bailey, Thom Rooke, Paul Wennberg, Vinod Kaggal, Iftikhar Kullo, Rajeev Chaudhry, Hongfang Liu, Mayo Clinic, Rochester, MN, USA

3:14 p.m.

Discussion

3:17 p.m.

Recurrence of Stroke in Closure of Patent Foramen Ovale Versus Medical Therapy in Patients With Cryptogenic Stroke: Systemic Review and Meta-Analysis

Usama Nasir, Waqas Qureshi, Abhishek Dutta, Hanumantha Jogu, Fahd Farooq, Mouaz Al-Mallah, University of Connecticut Health Center, Farmington, CT, USA, Wake Forest University, Winston-Salem, NC, USA

3:27 p.m.

Discussion

### Special - Gaming

#### Session #6007

#### Engage @ACC.18 Studio: FIT Jeopardy Battle of the State Chapters Final

Sunday, March 11, 2018, 2:15 p.m. - 3:15 p.m.

Engage@ ACC.18 Studio, Hall A/B

CME Hours: /CNE Hours:

2:15 p.m.

Two Rounds with Semi-Final Winners

### Non-Certified Industry Events - Learning Destinations

#### Session #4320

#### Familial Hypercholesterolemia: Enough Evidence, Time to Act

Sunday, March 11, 2018, 2:30 p.m. - 3:00 p.m.

Expo Hall 3464-Patient Engage

CME Hours: 0/CNE Hours: 0

2:30 p.m.

Familial Hypercholesterolemia: Enough Evidence, Time to Act  
Catherine Davis Ahmed  
Pasadena, CA



### Special - Events and Meetings

#### Session #5016

##### APC General Assembly

Sunday, March 11, 2018, 3:00 p.m. - 5:00 p.m.

Hyatt Regency Orlando, Orlando Ballroom L

CME Hours: /CNE Hours:

3:00 p.m.

APC General Assembly

### Special - Intensive

#### Session #56

##### A General Cardiologist's Real-world Approach to Adult Congenital Heart Disease - Post-Intensive Field Trip to Congenital Heart Disease Moderated Poster Theater

Sunday, March 11, 2018, 3:30 p.m. - 4:45 p.m.

CME Hours: 0 /CNE Hours: 0

3:30 p.m.

Field Trip Leader

Ami B. Bhatt

Boston, MA

3:30 p.m.

Field Trip Leader

Michael J. Landzberg

Boston, MA

3:30 p.m.

Field Trip Leader

Keri M. Shafer

Boston, MA

### Special - Self-Assessment

#### Session #812

##### Test Your Knowledge: ACC General Cardiology Module 15

Sunday, March 11, 2018, 3:30 p.m. - 6:00 p.m.

Room 304 G

CME Hours: 2.5 /CNE Hours: 2.5

Chair: Amit Khera

3:30 p.m.

Faculty

Garrick C. Stewart

Boston, MA

3:30 p.m.

Faculty

Stephen D. Wiviott

Boston, MA

3:30 p.m.

Faculty

Jennifer L. Cook

Tucson, AZ

### Acute and Stable Ischemic Heart Disease - Moderated Poster Contributions

#### Session #1273M

##### Surgical Revascularization Outcomes: Has the Clock Struck Midnight?

Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Andrea Carpenter

ACC Poster Moderator: Jessica Rove

3:45 p.m.

Obesity Is Not Associated With a Differential Outcome Following Coronary Artery Bypass Surgery

Lohit Garg, Sahil Agrawal, Amitoj Singh, Raman Dusaj, Jamshid Shirani, Lehigh Valley Health Network, Allentown, PA, USA

3:55 p.m.

Question and Answer

4:00 p.m.

In Diabetic Patients Multiple Arterial Grafts Improve Long-Term Survival Compared With Conventional Coronary Artery Bypass Surgery or Stents  
Chaim Locker, Hartzell Schaff, Brian Lahr, Robert Frye, Richard Daly, Sameh M. Said, John Stulak, Amir Lerman, Joseph Dearani, Malcolm Bell, Mayo Clinic, Rochester, MN, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Contemporary National Trends and Outcomes of Elderly Patients Undergoing Coronary Artery Bypass Grafting: Insights From the National Inpatient Sample  
Chad J. Zack, Sunil V. Rao, Manesh Patel, William Jones, Duke University Medical Center, Durham, NC, USA

4:25 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1265M

##### New Clinical Trials in Anticoagulation

Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.

Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Andrew E. Epstein

ACC Poster Moderator: Cynthia M. Tracy

3:45 p.m.

Impact of Anticoagulation on Resolution of Left Atrial Appendage Thrombi  
Hoyle Whiteside, Kristen Brown, Arun Nagabandi, Supawat Ratanapo, Gyanendra Sharma, Medical College of Georgia at Augusta University, Augusta, GA, USA

3:55 p.m.

Question and Answer

4:00 p.m.

The Safety of Discontinuation of Long-Term Oral Anticoagulation Therapy After Apparently Successful Atrial Fibrillation Ablation: Chinese Atrial Fibrillation Registry Study  
Wangyang Yang, Xin Du, Nian Liu, Rong Bai, Wei Wang, Liu He, Lu Wang, Chang Liu, Xueyuan Guo, Songnan Li, Caihua Sang, Chenxi Jiang, Ronghui Yu, Deyong Long, Jianzeng Dong, Changsheng Ma, Beijing Anzhen Hospital, Capital Medical University, Beijing, People's Republic of China

4:10 p.m.

Question and Answer

4:15 p.m.

CHA<sub>2</sub>DS<sub>2</sub>-VASC and HAS-BLED Scores in Predicting the Risk of Stroke Versus Intracranial Bleed: The FibStroke Study  
Samuli Jaakkola, Tuomas Kiviniemi, Ilpo Nuotio, Juha Hartikainen, Pirjo Mustonen, Antti Palomäki, Jussi Jaakkola, Antti Ylitalo, Paivi Hartikainen, Juhani Airaksinen, Turku University Hospital, Turku, Finland



4:25 p.m.  
Question and Answer

### **Congenital Heart Disease - Moderated Poster Contributions**

#### **Session #1270M**

#### **ASCVD in Congenital Heart Disease: Growing Old Gracefully?**

**Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.**

**Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Ami B. Bhatt  
ACC Poster Moderator: Laura Flannery

3:45 p.m.  
Coronary Artery Disease Screening in Adults With Congenital Heart Disease Prior to Cardiac Surgery  
Bradley Johnson, Matt Buelow, Peter Bartz, Scott Cohen, Michael Earing, Salil Ginde, Medical College of Wisconsin, Milwaukee, WI, USA

3:55 p.m.  
Question and Answer

4:00 p.m.  
Subclinical Atherosclerosis and Coronary Artery Calcium Scores in Patients With Coarctation of the Aorta  
Yamini Krishnamurthy, Ada C. Stefanescu Schmidt, Daniel O. Bittner, Jan-Erik Scholtz, Amy Bui, Rajesh Reddy, Mohamed Youniss, Kendall Donohoe, Laura Flannery, Akl Fahed, Brian Ghoshhajra, Doreen Defaria Yeh, Ami Bhatt, Massachusetts General Hospital, Boston, MA, USA

4:10 p.m.  
Question and Answer

4:15 p.m.  
Congenital Heart Disease Confers Substantial Risk of Acquired Cardiovascular Disease Amongst British Adults  
Priyanka Saha, Praneetha Potiny, Catherine Tcheandjie, Susan M. Fernandes, Anitra Romfh, Daniel Bernstein, George K. Lui, Erik Ingelsson, James Priest, Stanford University School of Medicine, Stanford, CA, USA

4:25 p.m.  
Question and Answer

### **Congenital Heart Disease - Gaming**

#### **Session #6008**

#### **Engage @ACC.18: Family Feud - Pediatric Cardiology Marries Adult Congenital - But Do We Practice the Same Way?**

**Sunday, March 11, 2018, 3:45 p.m. - 4:45 p.m.**

**Engage@ ACC.18 Studio, Hall A/B**  
**CME Hours: 1 /CNE Hours: 1**

Co-Chair: Bronwyn Bartle  
Co-Chair: Alistair Phillips

3:45 p.m.  
Team: Stanford  
George K. Lui  
Stanford, CA

3:45 p.m.  
Team: Stanford  
Stephen J. Roth  
Palo Alto, CA

3:45 p.m.  
Team: Grand Rapids

Stephen C. C. Cook  
Grand Rapids, MI

3:45 p.m.  
Team: Grand Rapids  
Joseph J. Vettukattil  
Grand Rapids, MI

3:45 p.m.  
Team: Seattle  
Yuk M. Law  
Seattle, WA

3:45 p.m.  
Team: Seattle  
Karen K. Stout  
Seattle, WA

3:45 p.m.  
Team Montefiore  
Daphne T. Hsu  
Bronx, NY

3:45 p.m.  
Team: Montefiore  
Syed Ali Nasir Zaidi  
Scarsdale, NY

### **Heart Failure and Cardiomyopathies - Moderated Poster Contributions**

#### **Session #1266M**

#### **New Drug Therapies For Heart Failure**

**Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.**

**Heart Failure and Cardiomyopathies Moderated Poster Theater, Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Michael M. Givertz  
ACC Poster Moderator: Randall C. Starling

3:45 p.m.  
PBI-4050, a Novel First-in-Class Agent, Reduces Pulmonary Hypertension, Lung Remodeling and Right Ventricular Dysfunction in Heart Failure  
Jocelyn Dupuis, Quang T. Nguyen, Martin G. Sirois, Angelino Calderone, Jean-Claude Tardif, YanFen Shi, Alexandre Laverdure, Brigitte Groulx, Lyne Gagnon, Montreal Heart Institute, Montreal, Canada, ProMetic Life Sciences, Laval, Canada

3:55 p.m.  
Question and Answer

4:00 p.m.  
Sustained Improvement of Left Ventricular Ejection Fraction With Intravenous Cimaglermin in Patients With Symptomatic Systolic Dysfunction  
Daniel J. Lenihan, Michael Koren, Andrew Eisen, Anthony Caggiano, Washington University in St. Louis, St. Louis, MO, USA, Acorda Therapeutics, Ardsley, NY, USA

4:10 p.m.  
Question and Answer

4:15 p.m.  
A Phase III, Randomized, Double-Blind, Multicenter, Placebo-Controlled Study of the Efficacy and Safety of Neucardin™ in Patients With Chronic Heart Failure  
Runlin Gao, Jian Zhang, Heping Liu, Lina Wang, Xiaohua Pang, Lu Fu, Fanbo Meng, Mingdong Zhou, Fuwai Hospital Heart Failure Center, Beijing, People's



Republic of China, Zensun Science and Technology Co. Ltd., Shanghai, People's Republic of China

4:25 p.m.  
Question and Answer

### **Interventional Cardiology - Moderated Poster Contributions** **Session #1268M**

**Intravascular Imaging: Novel Techniques and Insights in PCI**  
**Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.**

**Interventional Cardiology Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Farouc A. Jaffer

ACC Poster Moderator: Eric A. Osborn

3:45 p.m.  
Impact of Periprocedural Myocardial Biomarker Elevation on Mortality Following Percutaneous Coronary Intervention: A Pooled Patient-Level (n=13452) Analysis of Contemporary Stent Trials  
Hector Manuel Garcia Garcia, Eugene McFadden, Clemens von Birgelen, Tessa Rademaker-Havinga, Neal Kleiman, David Cohen, Kevin Kennedy, E. Camenzind, Laura Mauri, Philippe Steg, William Wijns, Sigmund Silber, Gerrit-Anne van Es, Patrick Serruys, Stephan Windecker, Donald Cutlip, Pascal Vranckx, MedStar Washington Hospital Center, Washington, DC, USA

3:55 p.m.  
Question and Answer

4:00 p.m.  
Efficacy of Intravascular Ultrasound-Guided Percutaneous Coronary Intervention in Patients With Diabetes Mellitus and Chronic Kidney Disease  
Ryota Sato, Kenji Sakamoto, Seiji Hokimoto, Suguru Nagamatsu, Takayoshi Yamashita, Shuichi Oshima, Ryusuke Tsunoda, Koichi Nakao, Toshiyuki Matsumura, Kazuteru Fujimoto, Hideki Shimomura, Yasuhiro Izumiya, Sunao Kojima, Hisao Ogawa, Koichi Kaikita, Kenichi Tsujita, Kumamoto University, Kumamoto, Japan

4:10 p.m.  
Question and Answer

4:15 p.m.  
Procedural and One-Year Outcomes in Patients Treated With Rotational Versus Orbital Atherectomy With Mechanistic Insights Using Optical Coherence Tomography  
Naotaka Okamoto, Hiroshi Ueda, Samit Bhatheja, Yuliya Vengrenyuk, Melissa Aquino, Samaneh Rabiei, Nitin Barman, Joseph Sweeny, Vishal Kapur, Choudhury Hasan, Javed Suleman, Roxana Mehran, Usman Baber, Annapoorna Subhash Kini, Samin K. Sharma, Mount Sinai Hospital and the Icahn School of Medicine at Mount Sinai, New York, NY, USA

4:25 p.m.  
Question and Answer

### **Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT)** **Moderated Poster Contributions - Session #1269M**

**Non Invasive Imaging For Sports Medicine**

**Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.**

**Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: James Chihong Lee

ACC Poster Moderator: Ankit B. Shah

3:45 p.m.

Relationship Between Left Ventricular Structural and Functional Parameters and Peak Exercise Performance: A Three-Dimensional Echocardiographic Study in Young Athletes

Bálint Lakatos, Orsolya Kiss, Máté Babity, Csaba Bognár, Carmen Bátorfi, Mónika Szilágyi, Nora Sydo, Timea Kovats, Attila Kovács, Bela Merkely, Semmelweis University Heart and Vascular Center, Budapest, Hungary

3:55 p.m.  
Question and Answer

4:00 p.m.  
Quantitative Analysis of Papillary Muscles and Trabeculae in Elite, Young and Masters Athletes With Cardiac Magnetic Resonance Imaging  
Ibolya Csecs, Csilla Czibalmos, Nora Sydo, Orsolya Kiss, Petra Merkely, Vencel Juhasz, Ferenc Suhai, Attila Toth, Bela Merkely, Hajnalka Vágó, Semmelweis University Heart and Vascular Center, Budapest, Hungary

4:10 p.m.  
Question and Answer

4:15 p.m.  
Diagnosis of Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy in Athletes Using Cardiac Magnetic Resonance Imaging  
Csilla Czibalmos, Ibolya Csecs, Nora Sydo, Petra Merkely, Orsolya Kiss, Zsófia Dohy, Attila Toth, Ferenc I. Suhai, Bela Merkely, Hajnalka Vago, Semmelweis University, Heart and Vascular Center, Budapest, Hungary

4:25 p.m.  
Question and Answer

### **Non-Certified Industry Events - Learning Destinations** **Session #4209**

**Right Heart Matters: A Cardiologist's Perspective on Pulmonary Hypertension**

**Sunday, March 11, 2018, 3:45 p.m. - 4:15 p.m.**

**Expo Hall 852-Innovation Stage**

**CME Hours: 0 /CNE Hours: 0**

3:45 p.m.  
Right Heart Matters: A Cardiologist's Perspective on Pulmonary Hypertension  
Anjali Vaidya  
Philadelphia, PA

4:00 p.m.  
Right Heart Matters: A Cardiologist's Perspective on Pulmonary Hypertension  
Andrew R. Pogozelski  
Pittsburgh, PA

### **Non-Certified Industry Events - Learning Destinations** **Session #4006**

**Inflammation in Atherosclerosis: Clinical Implications**

**Sunday, March 11, 2018, 3:45 p.m. - 4:45 p.m.**

**Expo Hall 704-Indust. Experts1**

**CME Hours: 0 /CNE Hours: 0**

3:45 p.m.  
Inflammation in Atherosclerosis: Clinical Implications  
Peter Libby  
Boston, MA

4:05 p.m.  
Inflammation in Atherosclerosis: Clinical Implications  
Roxana Mehran  
New York, NY

4:25 p.m.  
Inflammation in Atherosclerosis: Clinical Implications





Michael D. Shapiro  
Portland, OR

### Non-Certified Industry Events - Learning Destinations

#### Session #4014

#### Selecting the Right Therapy Option for NVAF Stroke Risk Reduction: A Multi-specialty Approach

Sunday, March 11, 2018, 3:45 p.m. - 4:45 p.m.

Expo Hall 729-Indust. Experts2

CME Hours: 0 /CNE Hours: 0

Moderator: Devi Nair

Digital Moderator: Jacqueline W. L. Saw

3:45 p.m.

Atrial Fibrillation: Finding Equipoise between Bleeding and Stroke Risk Reduction

Christopher Granger

Durham, NC

3:57 p.m.

Ischemic and Hemorrhagic Stroke: How to Avoid the Neuro ICU; A Neurologist's Perspective

David Rose

Tampa, FL

4:09 p.m.

WATCHMAN as A Viable Option for Stroke Risk Reduction

Devi Nair

Jonesboro, AR

4:21 p.m.

Which Patients are Appropriate for WATCHMAN? Clinical Cardiologist's Perspective

Sarika Desai

Phoenix, AZ

4:33 p.m.

Which Treatment Is Right for Which Patients? A Case-Based Discussion

### Non-Certified Industry Events - Learning Destinations

#### Session #4405

#### ACC.18 Innovation Challenge @ the Future Hub Theater (Part II)

Sunday, March 11, 2018, 3:45 p.m. - 4:45 p.m.

Expo Hall 3517-Future Hub

CME Hours: 0/CNE Hours: 0

3:45 p.m.

ACC.18 Innovation Challenge: Medical Devices

Todd J. Brinton

Stanford, CA

### Prevention - Moderated Poster Contributions

#### Session #1272M

#### Managing and Understanding T2DM: The New Imperative For CV Clinicians

Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.

Prevention Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Prakash C. Deedwania

ACC Poster Moderator: Jacquelyn Kulinski

3:45 p.m.

Characterization of the Biological Mechanisms of Empagliflozin Through Large-Scale Proteomics

Ashwin Murthy, Sophie Weiss, Naveed Sattar, Rachel Ostroff, Stephen Williams, Peter Ganz, Ele Ferrannini, University of California, San Francisco, San Francisco, CA, USA, National Research Council, Pisa, Italy

3:55 p.m.

Question and Answer

4:00 p.m.

SGLT2 Inhibitors Reduce Major Adverse Cardiovascular Events in Type 2 Diabetic Patients: A Meta-Analysis of Randomized Controlled Trials

Shamna Haris, Sukhchain Singh, Sana Chaudhary, Mahwash Siddiqui, Onyambu Steve Biko, Sarabjeet Singh, Haris Hamsakutty, Sandeep Khosla, Rohit R. Arora, Rosalind Franklin University of Medicine and Sciences, Chicago, IL, USA, Mount Sinai Hospital, Chicago, IL, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Eligibility Varies Across the 3 Sodium-Glucose Cotransporter-2 Inhibitor Cardiovascular Outcomes Trials Among Adults With Type 2 Diabetes: Implications From Analysis of the Diabetes Collaborative Registry

Eric Wittbrodt, David Chamberlain, Suzanne Arnold, Fengming Tang, Mikhail Kosiborod, AstraZeneca, Wilmington, DE, USA, St. Luke's Mid-America Heart Institute, Kansas City, MO, USA

4:25 p.m.

Question and Answer

### Special - Moderated Poster Contributions

#### Session #1267M

#### FIT Clinical Decision Making Arrhythmia and Electrophysiology: Electrifying Cases

Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.

Spotlight on Special Categories Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Dhanunjaya R. Lakkireddy

ACC Poster Moderator: Hemal Nayak

3:45 p.m.

Neck Swelling and Years of Convulsive Syncope

Anna Svatikova, Siva Mulpuru, Raul Espinosa, Mayo Clinic, Rochester, MN, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Management of Pre-Term Peripartum Ventricular Tachycardia Due to Arrhythmogenic Right Ventricular Dysplasia Complicated by Severe Pre-Eclampsia

Chirag Desai, Udit Bhatnagar, Maryam Sheikh, Kade Klippenstein, Scott Pham, University of South Dakota Sanford School of Medicine, Sioux Falls, SD, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Cardiac Sarcoidosis Presenting With Acute Myocardial Infarction and Ventricular Fibrillation

Amrita Mukhopadhyay, Amanda Klinger, Kamil Faridi, Anuradha Godishala, Duane Pinto, Peter Zimetbaum, Loryn Feinberg, Beth Israel Deaconess Hospital, Boston, MA, USA



4:25 p.m.

Question and Answer

### **Valvular Heart Disease - Moderated Poster Contributions**

#### **Session #1271M**

#### **Transcatheter Aortic Valve Replacement: Refining Patient Selection**

**Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.**

**Vascular Medicine and Valvular Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Nishath Quader

ACC Poster Moderator: Anjan K. Sinha

3:45 p.m.

Electrocardiographic Strain Pattern and Long-Term Mortality After

Transcatheter Aortic Valve Replacement

Mohammed Al-Hijji, Mohamad Alkhoul, Fahad Alqahtani, Vuyisile Nkomo, David R. Holmes, Mayo Clinic, Rochester, MN, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Derivation and Comparison of TAVR Mortality Risk Score With STS Risk Score For Predicting 30-Day Mortality After TAVR

Erica Flores, Ashish Pershad, Brian Whisenant, Kenith Fang, Ligita Ceterino, Michael Morris, George Gellert, Timothy Byrne, Divya Ratan Verma, Banner University Medical Center Phoenix, Phoenix, AZ, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Coronary Angiography and Percutaneous Coronary Intervention in Patients With Transcatheter Aortic Valve Prosthesis: A Systematic Review and Practical Algorithm

Matias Yudi, Gilbert Hin-Lung Tang, Asaad Khan, Farhan Majeed, Samin K. Sharma, Annapoorna Subhash Kini, Mount Sinai Hospital, New York, NY, USA

4:25 p.m.

Question and Answer

### **Acute and Stable Ischemic Heart Disease - Scientific**

#### **Session #707**

#### **Beauty Versus the Beast: Implications of Gender in Cardiovascular Disease**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 207 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: C. Noel Bairey Merz

Co-Chair: Doreen Defaria Yeh

4:45 p.m.

Pregnancy: The First Physiological Stress Test

Janet Rich-Edwards

Boston, MA

4:53 p.m.

Question and Answer

4:57 p.m.

Preeclampsia and Pregnancy Complications

Afshan Hameed

Orange, CA

5:05 p.m.

Question and Answer

5:09 p.m.

How to Start a Women's Heart Program

C. Noel Bairey Merz

Los Angeles, CA

5:17 p.m.

Question and Answer

5:21 p.m.

ACC Talk: Overview on Gender Based Medicine in Cardiology: State of Science.

Nanette Kass Wenger

Atlanta, GA

5:29 p.m.

Question and Answer

5:33 p.m.

It's a Small World After All: Implementing Gender Specific Risk Factors Into Clinical Practice

Kathryn Lindley

Saint Louis, MO

5:41 p.m.

Question and Answer

5:45 p.m.

FIT Case Presentation: Gender Based Recommendations for Implementation into Clinical Practice

Erika Jones

Los Angeles, CA

5:53 p.m.

Question and Answer

### **Acute and Stable Ischemic Heart Disease - Scientific**

#### **Session #708**

#### **Adoption of High Sensitivity Troponin Assays in the United States**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 206 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Fred S. Apple

Co-Chair: L. Kristin Newby

4:45 p.m.

Development and Performance Characteristics of High Sensitivity Troponin: The Road Travelled

James L. Januzzi

Wellesley, MA

4:57 p.m.

Question and Answer

5:02 p.m.

Established Benefit of Utilizing High Sensitivity Troponin to Evaluate Chest Pain: The European Experience

Christian Mueller

Basel, Switzerland

5:14 p.m.

Question and Answer

5:19 p.m.



Practical Guide to Utilizing High Sensitivity Troponin in the ED: The Algorithm I Will Utilize.

Allan Jaffe  
Rochester, MN

5:31 p.m.  
Question and Answer

5:36 p.m.  
Expanding Role of High Sensitivity Troponin in Clinical Practice  
James A. de Lemos  
Dallas, TX

5:47 p.m.  
Question and Answer

**Arrhythmias and Clinical EP - Hands-on Skills Learning  
Session #1535**  
**Hands-On Simulation Skills Training: Clinical Judgement Challenge  
Station . . . Body Interact Simulation Platform**  
**Sunday, March 11, 2018, 4:45 p.m. - 5:45 p.m.**  
**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

4:45 p.m.  
Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . .  
Body Interact Simulation Platform

**Arrhythmias and Clinical EP - Scientific  
Session #705**  
**Ventricular Tachycardia in the Normal Heart: When Should I Worry?**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 314 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Jonathan Hsu  
Co-Chair: Ratika Parkash  
Panelist: Noel G. Boyle  
Panelist: Hugh Calkins  
Panelist: Melissa R. Robinson

4:45 p.m.  
Outflow Tract Tachycardia: Always Benign?  
Melissa R. Robinson  
Seattle, WA

4:57 p.m.  
Panel Discussion With Question and Answer

5:03 p.m.  
Mitral Valve Prolapse and Ventricular Arrhythmia: NormalHeart or Not?  
Noel G. Boyle  
Los Angeles, CA

5:15 p.m.  
Panel Discussion With Question and Answer

5:21 p.m.  
Fascicular VT: Is There a Relationship With Ventricular Fibrillation?  
Suraj Kapa  
Rochester, MN

5:34 p.m.  
Panel Discussion With Question and Answer

5:40 p.m.  
Non-Outflow Right Ventricular Tachycardia: Is It Always Dysplasia?

Hugh Calkins  
Baltimore, MD

5:52 p.m.  
Panel Discussion With Question and Answer

**Arrhythmias and Clinical EP - Scientific  
Session #706**  
**Anticoagulation Dilemmas**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 312 C**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Emelia J. Benjamin  
Co-Chair: Kousik Krishnan

4:45 p.m.  
Stroke Risk Reduction in the Anticoagulation Contraindicated Patient  
Randall J. Lee  
San Francisco, CA

4:56 p.m.  
Question and Answer With ARS

5:04 p.m.  
Should I Stop Anticoagulation in a Patient With a Surgically Ligated  
Appendage  
Ralph J. Damiano  
Saint Louis, MO

5:15 p.m.  
Question and Answer With ARS

5:23 p.m.  
Redefining What NVAf Means in the Era of Noacs and LAAO  
Anne B. Curtis  
Buffalo, FL

5:34 p.m.  
Question and Answer With ARS

5:42 p.m.  
Can I Use LAAO in Patients With Valvular Disease?  
Vijay Swarup  
Phoenix, AZ

5:53 p.m.  
Question and Answer With ARS

**Heart Failure and Cardiomyopathies - Hands-on Skills Learning  
Session #1536**  
**Hands-On Simulation Skills Training: Immersive Simulation Station .  
. . . Guideline-directed Heart Failure Care Utilizing Full-body Manikin**  
**Sunday, March 11, 2018, 4:45 p.m. - 5:45 p.m.**  
**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

4:45 p.m.  
Faculty  
Michael T. Spooner  
Norfolk, VA



### Heart Failure and Cardiomyopathies - Hands-on Skills Learning Session #1537

**Hands-On Simulation Skills Training: Procedural Skill Station . . . Including Echocardiography and Right Heart Catheterization**  
**Sunday, March 11, 2018, 4:45 p.m. - 5:45 p.m.**

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

4:45 p.m.

Faculty

Raja Kannan Mutharasan

Oak Park, IL

### Heart Failure and Cardiomyopathies - Hands-on Skills Learning Session #1538

**Hands-On Simulation Skills Training: Shared Decision-making Simulation Station . . . Improve Your Patient Communication Techniques**

**Sunday, March 11, 2018, 4:45 p.m. - 5:45 p.m.**

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

4:45 p.m.

Faculty

Erica Sarah Spatz

New Haven, CT

### Heart Failure and Cardiomyopathies - International Session #522

**The Future of Coronary Disease Management: International Perspectives from the ACC Italy Chapter, Portuguese Society of Cardiology, and American College of Cardiology**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 304 E**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Brian O'Murchu

Co-Chair: Michele Gulizia

Co-Chair: Miguel F. Mendes

4:45 p.m.

Introduction to Session

Brian O'Murchu

Philadelphia, PA

4:50 p.m.

Stable Coronary Disease: State of the Art

Pasquale Perrone Filardi

Naples, Italy

5:02 p.m.

Update on Secondary Prevention Post-myocardial Infarction

Miguel F. Mendes

Lisbon, Portugal

5:14 p.m.

How Have Guidelines Changed our Clinical Medical Practice?

Andrea Di Lenarda

Trieste, Italy

5:26 p.m.

European Perspective on Mechanical Circulatory Support Use for STEMI

Joao Morais

Leiria, Portugal

5:38 p.m.

Discussion

### Heart Failure and Cardiomyopathies - Scientific Session #709

**Regenerative Therapy in Cardiovascular Disease: Joint Symposium of the American Heart Association and the American College of Cardiology**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 315 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Mark A. Creager

Co-Chair: Mary N. Walsh

Panelist: Ivor J. Benjamin

Panelist: Paul Burridge

Panelist: Joshua M. Hare

Panelist: Joseph A. Hill

Panelist: Steven Houser

4:45 p.m.

How Do Cortical Bone Stem Cells Repair the Infarcted Heart?

Steven Houser

Philadelphia, PA

4:57 p.m.

Exosomes in Cardiac Physiology and Repair

Ivor J. Benjamin

Milwaukee, WI

5:09 p.m.

The Most Promising Clinical Trials in Cell Based Therapy

Joshua M. Hare

Miami, FL

5:21 p.m.

Human iPSC for Disease Modeling and Therapy

Paul Burridge

Chicago, IL

5:33 p.m.

Cardiac Regeneration: Hype or Hope?

Joseph A. Hill

Dallas, TX

5:45 p.m.

Panel Discussion - Are Regenerative Therapies Ready For Prime Time?

### Heart Failure and Cardiomyopathies - Scientific Session #710

**Cardiac Rehabilitation in Heart Failure: Why, What, Who and How?**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 312 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Daniel E. Forman

Co-Chair: Dalane W. Kitzman

Panelist: Mark Haykowsky

Panelist: Ileana L. Pina

4:45 p.m.

Case Presentation: Implementation of Cardiac Rehabilitation in a Patient

With Heart Failure

Eileen M. Handberg

Gainesville, FL

4:53 p.m.

What Is the Evidence and for Which Patient?

Tina P. Shah

Houston, TX



5:05 p.m.

Components of Cardiac Rehabilitation and Modalities of Exercise

David W. Schopfer

Oakland, CA

5:17 p.m.

Overcoming Barriers to Implementation and Access

Grace Lin

Rochester, MN

5:29 p.m.

Can Policy Changes Make a Difference?

Clyde W. Yancy

Chicago, IL

5:41 p.m.

Panel Discussion With Question and Answers

### Interventional Cardiology - Live Cases

#### Session #206

#### Interventional Live Case Session VI: Structural/Vascular

#### Transmission From OhioHealth Riverside Methodist

Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.

Main Tent, Hall C

CME Hours: 1.25 /CNE Hours: 1.25

Live Case Operator: Steven J. Yakubov

Live Case Operator: Gary M. Ansel

Co-Chair: George D. Dangas

Co-Chair: Sunil V. Rao

Panelist: Pedro R. Cox-Alomar

Panelist: Peter L. Duffy

Panelist: Vijayalakshmi Kunadian

Panelist: Sahil A. Parikh

Panelist: Nicolas M. Van Mieghem

Panelist: Jose M. Wiley

### Interventional Cardiology - Late-Breaking Clinical Trials

#### Session #407

#### Featured Clinical Research II: Interventional

Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.

Room 202 C

CME Hours: /CNE Hours:

Chair: Akshay K. Khandelwal

Co-Chair: Judith S. Hochman

Panelist: Elliott M. Antman

Panelist: Joshua A. Beckman

Panelist: Andrew P. Miller

Panelist: Margo B. Minissian

Panelist: Jorge Plutzky

4:45 p.m.

Lower Risk of Cardiovascular Events and Death Associated with Initiation of SGLT-2 Inhibitors versus Other Glucose Lowering Drugs - Real World Data Across Three Major World Regions with More Than 400,000 Patients: The CVD-REAL 2 Study

Mikhail Kosiborod, Carolyn Lam Su Ping, Shun Kohsaka, Daejung Kim, Avraham Karasik, Jonathon Shaw, Navdeep Tangri, Marcus Thuresson, Peter Fenici, the CVD-REAL Investigators and Study Group, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA, AstraZeneca

4:55 p.m.

Panel Discussion

5:00 p.m.

Canagliflozin For Prevention Of Heart Failure In Type 2 Diabetes: Results From The CANVAS Program

Gemma Figtree, Karin Rådholm, Scott Solomon, Kenneth W. Mahaffey, Vlado Perkovic, Dick De Zeeuw, Greg Fulcher, Tao Sun, Ngozi Erundu, Terrance D. Barrett, Mehul Desai, David R. Matthews, Bruce Neal, CANVAS Program collaborative group, Janssen Research & Development, LLC, Raritan, NJ, USA

5:10 p.m.

Panel Discussion

5:15 p.m.

ADCY9 Genetic Variants and Cardiovascular Outcome with Evacetrapib

Steven E. Nissen, Sreekumar G. Pillai, Stephen Nicholls, Kathy Wolski, Jeffrey Riesmeyer, Govinda Weerakkody, Ellen McErlean, Pallav Bhatnagar, Giacomo Ruotolo, A. Michael Lincoff, Cleveland Clinic, Cleveland, OH, USA

5:25 p.m.

Panel Discussion

5:30 p.m.

Cardiovascular Efficacy of Canakinumab Among Patients with Chronic Kidney Disease: Analyses from the CANTOS Trial

Paul M. Ridker, Brendan Everett, Jan Hein Cornel, Jean MacFadyen, Wolfgang Koenig, Peter Libby, Tom Thuren, Robert Glynn, on behalf of the CANTOS Investigators, Brigham and Women's Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

5:40 p.m.

Panel Discussion

5:45 p.m.

High Mortality after Major Adverse Limb Events in Peripheral Artery Disease: Results from the COMPASS trial

Sonia Anand, John Eikelboom, Jackie Bosch, Stuart Connolly, Keith Fox, Salim Yusuf, COMPASS Investigators, Population Health Research Institution, Hamilton, Canada, McMaster University, Hamilton, Canada

5:55 p.m.

Panel Discussion

### Interventional Cardiology - Scientific

#### Session #713

#### Walking the Fine Line: High Bleeding Risk Patient and Bleeding Avoidance Strategies

Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.

Room 205 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Javier Escaned

Co-Chair: Roxana Mehran

Panelist: Sammy Elmariah

Panelist: Giuseppe De Luca

Panelist: C. Michael Gibson

Panelist: Roberta Rossini

4:45 p.m.

Case Presentation: A Patient at High Bleeding Risk and CAD - Real Patient, Real Dilemmas in Management

Duane S. Pinto

Boston, MA

4:50 p.m.

Part I: Bleeding Avoidance Strategies - Stent Choices

4:50 p.m.

Leader Programs





Mitchell W. Krucoff  
Durham, NC

4:55 p.m.  
XIENCE Short DAPT Programs  
Roxana Mehran  
New York, NY

5:00 p.m.  
Onyx Short DAPT Programs  
Gregg W. Stone  
New York, NY

5:05 p.m.  
EVOLVE Short DAPT Programs  
Ajay J. Kirtane  
New York, NY

5:10 p.m.  
COBRA REDUCE  
Perwaiz M. Meraj  
Manhasset, NY

5:20 p.m.  
Panel Discussion With Audience Question and Answer

5:30 p.m.  
Part II: Bleeding Avoidance Strategies - DAPT Solutions

5:30 p.m.  
Drop ASA  
Usman Baber  
New York, NY

5:35 p.m.  
REDUCE Duration  
Giuseppe De Luca  
Novara, Italy

5:40 p.m.  
Switch Therapies  
Francesco Franchi  
Jacksonville, FL

5:45 p.m.  
Use NOACs  
C. Michael Gibson  
Boston, MA

5:50 p.m.  
Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #714

#### Tarot Cards and Trials: Predicting the Outcomes and Implications of Ongoing RCTs

Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.

Room 204 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Suzanne Baron  
Co-Chair: David J. Cohen  
Panelist: Eric R. Bates  
Panelist: Donald E. Cutlip  
Panelist: Robert A. Harrington  
Panelist: Theodore A. Bass

4:45 p.m.  
Case Presentation: Top Ongoing Structural Trials  
Howard C. Herrmann  
Philadelphia, PA

4:54 p.m.  
Panel Discussion With Audience Question and Answer

4:57 p.m.  
Case Presentation: Top Ongoing Interventional Pharma Trials  
Robert A. Harrington  
Stanford, CA

5:06 p.m.  
Panel Discussion With Audience Question and Answer

5:09 p.m.  
Case Presentation: Top Ongoing Coronary Interventional Trials  
David J. Cohen  
Kansas City, MO

5:18 p.m.  
Panel Discussion With Audience Question and Answer

5:21 p.m.  
Case Presentation: Top Ongoing Vascular Trials  
Jeffrey W. Olin  
New York, NY

5:31 p.m.  
Panel Discussion With Audience Question and Answer

5:34 p.m.  
Case Presentation: Top Ongoing Heart Failure Trials  
Faiez Zannad  
Toul, France

5:44 p.m.  
Panel Discussion With Audience Question and Answer

5:47 p.m.  
Case Presentation: Top Ongoing Electrophysiology Trials  
Vivek Yerrapu Reddy  
New York, NY

5:57 p.m.  
Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #715

#### DAPT: How to Choose, Which Drug, for How Long, and in Which Setting?

Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.

Room 203 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Lloyd W. Klein  
Co-Chair: Michelle L. O'Donoghue  
Panelist: Dominick J. Angiolillo  
Panelist: Stefan K. James  
Panelist: Elvin Kedhi  
Panelist: Mary P. Schoenbaum

4:45 p.m.  
What is your *usual* practice regarding duration of DAPT therapy after stent placement? What is your *usual* practice regarding DAPT when it is necessary for the patient to be on anticoagulants?



Lloyd W. Klein  
Chicago, IL

4:50 p.m.  
Case Presentation: How Long to Continue DAPT in Patients After Elective Stenting  
Mazen Albaghdadi  
Brookline, MA

4:50 p.m.  
Expert Overview: How Long to Continue DAPT in Patients After Elective Stenting  
Stefanie Schüpke (nee Schulz)  
Munich, Germany

4:58 p.m.  
Panel Discussion With Audience Question and Answer

5:03 p.m.  
Case Presentation: DAPT Duration in Patient With Acute Coronary Syndrome  
Eric Alexander Secemsky  
Boston, MA

5:08 p.m.  
Expert Overview: How Long to Continue DAPT in Patients With Acute Coronary Syndrome  
Marc Steven Sabatine  
Boston, MA

5:16 p.m.  
Panel Discussion With Audience Question and Answer

5:21 p.m.  
Case Presentation: DAPT Duration in Patient With Atrial Fibrillation Undergoing PCI  
Xiaoyu Yang-Giuliano  
Boston, MA

5:26 p.m.  
Expert Overview: How Long to Continue DAPT in Patients With Atrial Fibrillation Undergoing PCI  
Dominick J. Angiolillo  
Jacksonville, FL

5:34 p.m.  
Panel Discussion With Audience Question and Answer

5:39 p.m.  
Debate: Cangelor and Then Prasugrel or Ticagrelor Should be First Line  
Laura Mauri  
Boston, MA

5:47 p.m.  
Debate: A Clopidogrel Strategy Is Adequate for Most  
Rui Campante Carvalho Ferreira Teles  
Lisboa, Portugal

5:55 p.m.  
Panel Discussion With Audience Question and Answer

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Scientific - Session #711**  
**Current Status of Cardiac CT: Joint Symposium of the Society of Cardiovascular Computed Tomography and the American College of Cardiology**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 311 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Leslee J. Shaw  
Co-Chair: Todd C. Villines  
Panelist: Jonathon Leipsic  
Panelist: James K. Min  
Panelist: Koen Nieman  
Panelist: David E. Newby  
Panelist: Ronak Rajani

4:45 p.m.  
Cardiac CT in 2018: What Has the Past Decade Taught Us  
James K. Min  
New York, NY

4:57 p.m.  
Cardiac CT: As Good as Functional Tests or Even Better?  
David E. Newby  
Edinburgh Scotland, United Kingdom

5:09 p.m.  
Cardiac CT for Transcatheter Interventions  
Jonathon Leipsic  
Vancouver, BC

5:21 p.m.  
CT-FFR: Impact on Outcomes That Matter?  
Ronak Rajani  
Surbiton, United Kingdom

5:33 p.m.  
Cardiac CT Myocardial Perfusion and Hybrid Imaging  
Koen Nieman  
Stanford, CA

5:45 p.m.  
Panel Discussion

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) Scientific - Session #712**

**Assessment of the Patient With Severe AS in the TAVR Era**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 308 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Federico M. Asch  
Co-Chair: Janet Fredal Wyman

4:45 p.m.  
The Elderly Patient With AS: Assessing Surgical Risk and Frailty  
Muhammed Saric  
New York, NY

5:00 p.m.  
TAVR Planning: How to Use Multimodality Imaging  
Zuyue Wang  
Washington, DC

5:15 p.m.  
Intra-Procedural Monitoring: When Do I Use TEE vs TTE?



Madhav Swaminathan  
Durham, NC

5:30 p.m.  
Imaging Post-TAVR: How, When and Why?  
Federico M. Asch  
Washington, DC

5:45 p.m.  
Question and Answer

**Prevention - Scientific  
Session #716**  
**Dying for Your Meal: How Common Dietary Factors Can Influence  
Mortality in CVD**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 308 C**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Andrew M. Freeman  
Co-Chair: Puja K. Mehta

4:45 p.m.  
Pre-Questions

4:50 p.m.  
Processed Meat/Red Meat  
Robert J. Ostfeld  
New York, NY

5:00 p.m.  
Fruits/Vegetables  
Caldwell B. Esselstyn, Jr  
Pepper Pike, OH

5:10 p.m.  
Plant-based Diets: New Insights on Mediterranean and Vegan Diets  
Neal Barnard  
Washington, DC

5:20 p.m.  
Saturated Fat/Omega-3  
David Katz  
Derby, CT

5:30 p.m.  
Whole Grains/Nuts and Seeds  
Stephen Devries  
Deerfield, IL

5:40 p.m.  
Post Answers

5:45 p.m.  
Question and Answer

**Prevention - Scientific  
Session #717**  
**Managing Complex Dyslipidemias: It's a Team Sport!**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 307 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: David De Padua Brasil  
Co-Chair: Neil J. Stone  
Panelist: Penny M. Kris-Etherton  
Panelist: Jennifer Mieres

Panelist: Vijay Nambi  
Panelist: James Underberg

4:45 p.m.  
Hypertriglyceridemia and Pancreatitis in a Mexican American Patient  
Fatima Rodriguez  
Stanford, CA

4:50 p.m.  
Panel Discussion With Question and Answer

5:10 p.m.  
Premature ASCVD, Low HDL-C, High TG, and Elevated Lp(a) in South Asian Patient  
Pratik Sandesara  
Atlanta, GA

5:15 p.m.  
Panel Discussion With Question and Answer

5:35 p.m.  
Severe Hypercholesterolemia in an African American Patient in Rural Community  
Jeffrey Yourshaw  
Mt Pleasant, SC

5:40 p.m.  
Panel Discussion With Question and Answer

**Special - Symposium  
Session #110**  
**Cardiovascular Update for the Clinician Session V: Valvular Heart  
Disease and IHSS- 2018, Understanding and Management (A  
Symposium by Valentin Fuster)**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 311 E**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Chair: Valentin Fuster  
Panelist: Robert O. Bonow  
Panelist: Martin B. Leon  
Panelist: Barry J. Maron  
Panelist: Patrick T. O'Gara

4:45 p.m.  
Aortic Valvular Stenosis: 4 challenging variables for Management  
Asymptomatic, Low vs Normal Flow, Low vs Normal Gradient, LVEF  
Robert O. Bonow  
Chicago, IL

5:00 p.m.  
Symptomatic Severe Aortic Valvular Stenosis TAVR in Patients at High,  
Moderate or Low Risk  
Martin B. Leon  
New York, NY

5:15 p.m.  
Primary vs Secondary Mitral Regurgitation From Surgical Therapy to TMVR  
Patrick T. O'Gara  
Boston, MA

5:30 p.m.  
Hypertrophic Cardiomyopathy Genetics, Natural History & Evolving  
Management  
Barry J. Maron  
Swampscott, MA



5:45 p.m.  
Panel Discussion

### Special - International Session #521

**International Perspectives From the European Society of Cardiology  
I and American College of Cardiology: The European Heart Journal's  
Year in Cardiology**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 304 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Thomas F. Luscher  
Co-Chair: Marc A. Pfeffer

4:45 p.m.  
Prevention  
Pamela Bowe Morris  
Mount Pleasant, SC

4:57 p.m.  
Imaging  
Jeroen J. Bax  
ZA Leiden, Netherlands

5:21 p.m.  
Arrhythmia and Devices  
Gerhard Hindricks  
Saxonia Leipzig, Germany

5:33 p.m.  
Heart Failure  
Biykem Bozkurt  
Houston, TX

5:45 p.m.  
Panel Discussion and Audience Question and Answer

### Special - Events and Meetings

#### Session #5017

**Geriatric Cardiology Section Meeting, Reception & Poster Session**

**Sunday, March 11, 2018, 4:45 p.m. - 6:15 p.m.**

**Hyatt Regency Orlando, Plaza International Ballroom I/J**

**CME Hours: /CNE Hours:**

4:45 p.m.  
Geriatric Cardiology Section Meeting, Reception & Poster Session

### Valvular Heart Disease - Scientific

#### Session #718

**Optimizing Outcomes in the Era of TAVR: Risk Assessment and  
Beyond**

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 307 C**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Matthew Williams  
Co-Chair: Alan Zajarias

4:45 p.m.  
It's All About the Surgical Risk  
Kevin Greason  
Rochester, MN

4:51 p.m.  
It's All About the Anatomy  
Hasan Jilaihawi  
Tea Tree Gully, Australia

4:57 p.m.  
Risk Calculators and TAVR  
Suzanne Arnold  
Kansas City, MO

5:03 p.m.  
TAVR and SAVR: How Has TAVR Changed My Practice?  
Hersh Maniar  
Saint Louis, MO

5:09 p.m.  
Question and Answer

5:19 p.m.  
TAVR Without Surgical Backup: Is That Where We Are Headed?  
Amar Krishnaswamy  
Cleveland, OH

5:25 p.m.  
TAVR Without Surgical Backup: Is That Where We Are Headed?  
Molly Szerlip  
Plano, TX

5:31 p.m.  
Optimizing Post-TAVR Care  
Torsten Peter Vahl, III  
New York, NY

5:37 p.m.  
Creating a Value Based Valve Treatment Pathway  
Steven J. Yakubov  
Columbus, OH

5:43 p.m.  
Current and Future Valve Replacement Trials  
Alan Zajarias  
Saint Louis, MO

5:49 p.m.  
Question and Answer

### Special - Events and Meetings

#### Session #5018

**Peripheral Vascular Disease Section Meeting**

**Sunday, March 11, 2018, 5:00 p.m. - 6:15 p.m.**

**Hyatt Regency Orlando, Celebration 7**

**CME Hours: /CNE Hours:**

5:00 p.m.  
Peripheral Vascular Disease Section Meeting

### Special - Events and Meetings

#### Session #5019

**ACPC Section Meeting**

**Sunday, March 11, 2018, 5:00 p.m. - 6:30 p.m.**

**Hyatt Regency Orlando, Plaza International Ballroom E/F**

**CME Hours: /CNE Hours:**

5:00 p.m.  
ACPC Section Meeting



### Non-Certified Industry Events - Non-Certified Educational Events

#### Session #4505

#### Reducing Cardiovascular Risk in Patients With Dyslipidemia: What Do We Know Now? (And What Should We Do About It?)

Sunday, March 11, 2018, 5:30 p.m. - 7:30 p.m.

Hyatt Regency Orlando, Plaza International Ballroom D

CME Hours: 0 / CNE Hours: 0

Moderator: Kausik Kumar Ray

Presenter and Panelist: Michael Davidson

Presenter and Panelist: Christopher P. Cannon

### Prevention - Clinical Focus

#### Session #1604

#### The New Reality is Here: The Why, Who, and How of Comprehensive Diabetes Care

Sunday, March 11, 2018, 6:00 p.m. - 8:30 p.m.

Room 208 C

CME Hours: / CNE Hours:

6:00 p.m.

Dinner

6:30 p.m.

Chair: Mikhail Kosiborod

Leawood, KS

6:30 p.m.

Clinical Facilitator

Michael Nassif

Kansas City, MO

6:30 p.m.

Introduction to Session

Mikhail Kosiborod

Leawood, KS

6:35 p.m.

Why We Are Here: Review of Latest Clinical Trial Data

Benjamin M. Scirica

Boston, MA

6:55 p.m.

Who is Involved: Your Role in Championing Comprehensive Diabetes Care

Laurence Sperling

Atlanta, GA

7:15 p.m.

Panel Discussion: How Diabetes Centers of Excellence Successfully Achieve Comprehensive Care

Panelist: Robert H. Eckel

Panelist: Mikhail Kosiborod

Panelist: Melissa Magwire

Panelist: Laurence Sperling

8:25 p.m.

Concluding Remarks

Mikhail Kosiborod

Leawood, KS

### Special - Events and Meetings

#### Session #5020

#### Emerging Faculty Alumni Reception

Sunday, March 11, 2018, 6:30 p.m. - 7:30 p.m.

Hyatt Regency Orlando, Upper Pool Deck

CME Hours: / CNE Hours:

6:30 p.m.

Emerging Faculty Alumni Reception

### Special - Events and Meetings

#### Session #5021

#### All Sections Reception

Sunday, March 11, 2018, 6:30 p.m. - 8:00 p.m.

Hyatt Regency Orlando, Orlando Ballroom M/N

CME Hours: / CNE Hours:

6:30 p.m.

All Sections Reception