



### Special - Events and Meetings

#### Session #5030

#### Training Program Administrators, Day 3

Monday, March 18, 2019, 7:30 AM - 12:00 PM

Hilton New Orleans Riverside\_Grand Salon 15

CME Hours: / CNE Hours:

7:30 AM

Training Program Administrators, Day 3

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #724

#### CCU Conundrums: What Would YOU Do?

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 357

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Frederick G. Kushner

Co-Chair: Doron Zahger

Panelist: Carlos Alviar

Panelist: Hani Jneid

Panelist: Venu Menon

8:00 AM

Case of a Patient With Acute Myocardial Infarction Complicated by

Cardiogenic Shock

Allison Selby

New York, NY

8:05 AM

Escalating Care in Shock Patients: When and How?

Venu Menon

Cleveland, OH

8:15 AM

Panel Discussion on Escalating Care in Cardiogenic Shock

8:30 AM

Case of a Patient With a Mechanical Complication of Acute Infarction

Matthew Ian Tomey

New York, NY

8:35 AM

When to Intervene in Cases of Rupture? Early, Later or not at all?

Hari Mallidi

Boston, MA

8:45 AM

Panel Discussion on Patient Selection for Intervention With Mechanical Complications of Shock

9:00 AM

Case of a Patient With Cardiac Arrest

Carlos Gonzalez-Lengua

Fort Lee, NJ

9:05 AM

Full Disclosure: Neuroprognostication After Cardiac Arrest

Murtuza J. Ali

New Orleans, LA

9:15 AM

Panel Discussion on Neuroprognostication After Cardiac Arrest

9:15 AM

Audience ARS Question

Doron Zahger

Lehavim, Israel

9:20 AM

Audience ARS Question

Frederick Kushner

Marrero, LA

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #725

#### Refractory Angina: Options for Patients With "No Options

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 217

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Timothy D. Henry

Co-Chair: Carl J. Pepine

8:00 AM

What is Refractory Angina, and how can I Appropriately Manage It?

Thomas F. Luscher

Zurich, ZH, Switzerland

8:10 AM

Advances in Pharmacotherapy of Angina

Glenn A. Hirsch

Denver, CO

8:20 AM

Surgical Solutions for Refractory Angina

Michael E. Jessen

Dallas, TX

8:30 AM

Role of CTO Revascularization in Refractory Angina

Michael Luna

Dallas, TX

8:40 AM

Novel Methods to Treat Refractory Angina: Tried, Tested, and Experimental

Marc E. Jolicoeur

Montreal, Canada

8:50 AM

Patient-Centered Outcomes: Reducing Symptoms and Improving Quality of

Life in Patients With Refractory Angina

Michael McGillion

Hamilton, Canada

9:00 AM

Discussion: Refractory Angina -- Options for Patients With No Options

### Acute and Stable Ischemic Heart Disease - Core Curriculum

#### Session #811

#### Core Curriculum: Acute and Stable Ischemic HD: Myocardial Infarction in Women

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 343

CME Hours: 1.5 / CNE Hours: 1.5

Chair: Laxmi S. Mehta



8:00 AM

Atherosclerotic MI in Young Woman: Why Poor Outcomes?

Alexandra J. Lansky

New Haven, CT

8:20 AM

The Enigma of MINOCA: MI or Not?

Harmony R. Reynolds

New York, NY

8:40 AM

SCAD: Optimal Management Strategies

Soo Hyun Kim

Brentwood, TN

9:00 AM

Panel Discussion Moderator

Laxmi S. Mehta

Powell, OH

9:00 AM

Panel Discussion with Question and Answer

### Acute and Stable Ischemic Heart Disease - Oral Contributions

Session #906

Highlighted Original Research: Acute and Stable Ischemic Heart Disease and the Year in Review

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 211

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Dharam Kumbhani

Co-Chair: Nadia Razaq Sutton

8:00 AM

Year in Review Speaker

Valentin Fuster

New York, NY

8:12 AM

Dapagliflozin and Cardiovascular Outcomes in Patients With Type 2 Diabetes and Prior Myocardial Infarction: A Sub-Analysis From DECLARE TIMI-58 Trial

Remo Holanda de Mendonca Furtado, Marc P. Bonaca, Itamar Raz, Thomas Zelniker, Ofri Mosenzon, Avivit Cahn, Julia Kuder, Sabina Murphy, Deepak L. Bhatt, Lawrence Leiter, Darren McGuire, John P. H. Wilding, Christian Ruff, Ingrid A. M. Gause-Nilsson, Martin Fredriksson, Anna Maria Langkilde, Marc Sabatine, Stephen Wiviott, Brigham and Women's Hospital, Boston, MA, USA

8:22 AM

Discussion

8:25 AM

Angina Is Associated With Coronary Blood Flow - Results From the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation: Coronary Vascular Dysfunction (WISE-CVD) Project

Nissi Sharon Suppogi, Janet Wei, Chrisandra Shufelt, Galen Cook-Wiens, David R. Anderson, Bruce Samuels, John W. Peterson, Carl J. Pepine, C. Noel Bairey Merz, Cedars Sinai, Los Angeles, CA, USA

8:35 AM

Discussion

8:38 AM

PET/CT Derived Ischemic Burden of 10% Predicts Optimal Treatment Strategy

For Symptomatic CAD

Kent G. Meredith, Stacey Knight, Raymond McCubrey, Steve Mason, David Min, Santanu Biswas, Jeffrey Anderson, J. Muhlestein, Kirk Knowlton, Intermountain Medical Center, Salt Lake City, UT, USA

8:48 AM

Discussion

8:51 AM

Reduction of Type 1 and Type 2 Myocardial Infarctions in Patients Treated With Alirocumab: Insights From the ODYSSEY Trial

Harvey D. White, Philippe Steg, Michael Szarek, Deepak L. Bhatt, Vera Bittner, Rafael Diaz, Jay Edelberg, Andrejs Erglis, Shaun Goodman, Corinne Hanotin, Robert Harrington, Johan Jukema, Renato Lopes, Kenneth Mahaffey, Angele Moryusef, Robert Pordy, Matthew Roe, Piyamitr Sritara, Pierluigi Tricoci, Andreas Zeiher, Gregory Schwartz, Green Lane Cardiovascular Services Auckland City Hospital, Auckland, New Zealand

9:01 AM

Discussion

9:04 AM

Anger Management Improves Endothelial Dysfunction in Patients With a Recent Myocardial Infarction: A Randomized Clinical Trial

Alexandre Quadros, Karine Schmidt, Bruna Eibel, Carlos Gottschall, Márcia Moura Schmidt, Institute of Cardiology of Rio Grande do Sul/University Foundation of Cardiology, Porto Alegre, Brazil

9:14 AM

Discussion

9:17 AM

Association of Circulating Trimethylamine N-Oxide With Coronary Atherosclerotic Burden in Patients With ST-Segment Elevation Myocardial Infarction

Sheng Zhaoxue, Yan Hongbing, Fuwai Hospital, National Center for Cardiovascular Diseases, Peking Union Medical College & Chinese, Beijing, People's Republic of China

9:27 AM

Discussion

### Arrhythmias and Clinical EP - Scientific

Session #723

Anti-coagulation in AF With Heart Disease: How to Manage Common and Uncommon Challenges

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 355

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Nazem Akoum

Co-Chair: Kousik Krishnan

8:00 AM

NOACs in Patients With Bioprosthetic Valves & TAVR

Greg C. Flaker

Columbia, MO

8:10 AM

Question and Answer



8:15 AM	8:25 AM
NOACs or Warfarin in Patients Post PCI Lindsay Harris Boston, MA	Use of Transcatheter Pulmonary Valve Replacement Across the Age Span of Patients With Congenital Heart Disease: A Report From the NCDR IMPACT Registry <u>Ada C. Stefanescu Schmidt</u> , Aimee Armstrong, Jamil Aboulhosn, Kevin Kennedy, Thomas Jones, Daniel Levi, Doff B. McElhinney, Ami Bhatt, Boston Children's Hospital, Boston, MA, USA, Massachusetts General Hospital, Boston, MA, USA
8:25 AM	8:35 AM
Question and Answer	Discussion
8:30 AM	8:38 AM
AF in the Critically Ill-Should it be Anticoagulated? Sigrun Halvorsen Oslo, Norway	Pediatric Cardiac Critical Care Outcomes Improve Following Implementation of a Commercial Data Aggregation and Visualization Software Platform Michael Gaies, <u>Mary K. Olive</u> , Gabe Owens, John Charpie, Wenying Zhang, Sara Pasquali, Darren Klugman, John Costello, James Hammel, J. William Gaynor, Mousumi Banerjee, Steven Schwartz, University of Michigan, Ann Arbor, MI, USA
8:40 AM	8:48 AM
Question and Answer	Discussion
8:45 AM	8:51 AM
Device Detected Atrial High Rate Episodes: When to Anti-Coagulate? Taya V. Glotzer Tenafly, NJ	Self-Reported Work Ability in Adults With Congenital Heart Disease <u>Bennett P. Samuel</u> , Darcy N. Marckini, Jessica L. Parker, W. Kay, Stephen Cook, Spectrum Health Helen DeVos Children's Hospital, Grand Rapids, MI, USA, Indiana University School of Medicine, Indianapolis, IN, USA
8:55 AM	9:01 AM
Question and Answer	Discussion
9:00 AM	9:04 AM
NOACs Post Cardioversion and Atrial Appendage Occlusion/Exclusion Michael D. Ezekowitz Villanova, PA	Differential Gene Expression in Pediatric Heart Failure: Dilated Cardiomyopathy Versus Single Ventricle Heart Disease Shelley Miyamoto, <u>Joseph B. Wall</u> , Carmen Sucharov, Anastacia M. Garcia, University of Colorado Denver, Aurora, CO, USA, Children's Hospital Colorado, Aurora, CO, USA
9:10 AM	9:14 AM
Question and Answer	Discussion
9:15 AM	9:17 AM
Unanswered Questions on NOAC in AF - Where Do We Go From Here? Elaine Hylek Lexington, MA	Creatinine Versus Cystatin C to Estimate Glomerular Filtration Rate in Adults With Congenital Heart Disease <u>Saurabh Rajpal</u> , Matthew Carazo, Michael Singh, Konstantinos Dimopoulos, David Alejandro Cardona Estrada, Sushrut Waikar, Finnian McCausland, Ahmed Elantably, Gruschen Veldtman, Jasmine Grewal, Brittani Loukas, Catherine Gray, Alexander Opotowsky, Boston Children's Hospital, Boston, MA, USA, Ohio State University, Columbus, OH, USA
<b>Congenital Heart Disease - Oral Contributions</b> <b>Session #907</b> <b>Highlighted Original Research: Congenital Heart Disease and the Year in Review</b> <b>Monday, March 18, 2019, 8:00 AM - 9:30 AM</b> <b>Room 338</b> <b>CME Hours: 1.5 / CNE Hours: 1.5</b>	<b>9:27 AM</b> Discussion
Co-Chair: Tal Geva Co-Chair: David Dunbar Ivy	<b>Heart Failure and Cardiomyopathies - Scientific Session #726</b> <b>Pregnancy and Cardiovascular Disease: At the Heart of Mother and the Baby</b> <b>Monday, March 18, 2019, 8:00 AM - 9:30 AM</b> <b>Room La Nouvelle B</b> <b>CME Hours: 1.5 / CNE Hours: 1.5</b>
8:00 AM	
Year in Review Speaker Meryl S. Cohen Philadelphia, PA	
8:12 AM	
Angiotensin Converting Enzyme Inhibitor Prescription in Single Ventricle Patients Enrolled in the National Pediatric Cardiology Quality Improvement Collaborative Registry Jesse Hansen, David Brown, Samuel Hanke, Katherine Bates, James Tweddell, Garick Hill, Jeffrey Anderson, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA	
8:22 AM	
Discussion	



8:00 AM	8:00 AM
Hypertension in Pregnancy: What are the Cardiovascular Concerns and How Should we Manage?	Year in Review Speaker
Jennifer Lewey	Adrian F. Hernandez
Philadelphia, PA	Durham, NC
8:10 AM	8:12 AM
Question and Answer	Cardioprotective and Anti Inflammatory Effects of a Selective Inhibitor of the Sodium Glucose Cotransporter 2 (Empagliflozin) in Doxorubicin Induced Cardiotoxicity
8:12 AM	<u>Nicola Maurea</u> , Vincenzo Quagliariello, Carmela Coppola, Giovanna Piscopo, Rosario Vincenzo Iaffaioli, Gerardo Botti, Istituto Nazionale Tumori, IRCCS, Fondazione G. Pascale, Naples, Italy
Updates in Peripartum Cardiomyopathy	
Uri Elkayam	
Los Angeles, CA	
8:22 AM	8:22 AM
Question and Answer	Discussion
8:24 AM	8:25 AM
Acute Cardiovascular Effects of Preeclampsia	Discovery of Novel TITIN (TTN) Gene Truncating Mutations Among a Consecutive Cohort of Patients Presenting With Idiopathic Dilated Cardiomyopathy (IDC)
Kok Han Chee	<u>Jeffrey L. Anderson</u> , Victoria Jacobs, G. Bryce Christensen, Helaman Escobar, Benjamin Horne, Stacey Knight, Kia Afshar, Virginia B. Hebl, Kirk Knowlton, J. Muhlestein, John Carlquist, Lincoln D. Nadauld, Intermountain Medical Center, Salt Lake City, UT, USA, University of Utah, Salt Lake City, UT, USA
Kuala Lumpur, Malaysia	
8:34 AM	8:35 AM
Question and Answer	Discussion
8:36 AM	8:38 AM
Pregnancy and the Female Cardiologist: How can we Make it Better?	AG10 Consistently Stabilizes Transthyretin to a High Level in Both Wild Type and Mutant Amyloid Cardiomyopathy: Responder Analyses From a Phase 2 Clinical Trial
Patricia J. M. Best	<u>Jonathan C. Fox</u> , <u>Stephen Heitner</u> , Rodney Falk, Martha Grogan, Daniel Jacoby, Daniel Judge, Mathew Maurer, Van Selby, Sanjiv Shah, Ronald Witteles, Satish Rao, Uma Sinha, Eidos Therapeutics, Inc., San Francisco, CA, USA
Rochester, MN	
8:46 AM	8:48 AM
Question and Answer	Discussion
8:48 AM	8:51 AM
Anticoagulation in Pregnancy: Where Does the Evidence Lie?	Obese-Inflammatory Phenotypes in Heart Failure With Preserved Ejection Fraction
Candice K. Silversides	<u>Michael S. Sabbah</u> , Ahmed Fayyaz, Barry Borlaug, Surendra Carter, Rickey Carter, Margaret Redfield, Mayo Clinic, Rochester, MN, USA
Toronto, Canada	
8:58 AM	9:01 AM
Question and Answer	Discussion
9:00 AM	9:04 AM
Cases Challenges in Everyday Practice	Unsupervised Machine Learning Identifies Treatment Response to Spironolactone in Patients With Heart Failure With Preserved Ejection Fraction: A TOPCAT Substudy
Lisa Levine	<u>Shane Nanayakkara</u> , Anna Beale, Michael Inouye, David Kaye, Baker Heart and Diabetes Institute, Melbourne, Australia, The Alfred, Melbourne, Australia
Philadelphia, PA	
9:05 AM	9:14 AM
Case Challenges in Everyday Practice	Discussion
Melinda Davis	
Ann Arbor, MI	
9:10 AM	
Question and Answer	
<b>Heart Failure and Cardiomyopathies - Oral Contributions</b>	
<b>Session #908</b>	
<b>Highlighted Original Research: Heart Failure and Cardiomyopathies and the Year in Review</b>	
<b>Monday, March 18, 2019, 8:00 AM - 9:30 AM</b>	
<b>Room 257</b>	
<b>CME Hours: 1.5 / CNE Hours: 1.5</b>	



9:17 AM

Empagliflozin Is Associated With a Lower Risk of Post-Acute Heart Failure Re-Hospitalization and Mortality: Insights From the EMPA-REG Outcome Trial  
Javed Butler, Gianluigi Savarese, Naveed Sattar, James Januzzi, Subodh Verma, Lars H. Lund, David Fitchett, Cordula Zeller, Jyothis T. George, Martina Brueckmann, Anne Pernille Ofstad, Silvio E. Inzucchi, Christoph Wanner, Bernard Zinman, University of Mississippi, Jackson, MS, USA, Boehringer Ingelheim, Ingelheim, Germany

9:27 AM

Discussion

### Interventional Cardiology - Scientific

#### Session #729

**LAA Closure: Challenging Cases and New Evidence**  
Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 208

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Matthew J. Price

Co-Chair: Miguel Valderrabano

Panelist: Mike Carozzi

Panelist: Saibal Kar

Panelist: Jamie H. Kim

Panelist: Gagan Deep Singh

8:00 AM

CT Scan, TEE, or Angiography for LAA Closure Planning?

Jacqueline W. L. Saw

Vancouver, Canada

8:10 AM

Panel Discussion With Audience Question and Answer

8:18 AM

Chicken Wing LAA: Technical Approach to Straightforward and Extreme

Anatomy

Saibal Kar

Los Angeles, CA

8:28 AM

Panel Discussion With Audience Question and Answer

8:36 AM

Pericardial Effusion and Tamponade After LAA Closure

Jason H. Rogers

Sacramento, CA

8:46 AM

Panel Discussion With Audience Question and Answer

8:54 AM

Appropriate Patient Selection and Anticoagulation Regimen in LAA Closure

Ratika Parkash

Halifax, Canada

9:04 AM

Panel Discussion With Audience Question and Answer

9:12 AM

Watchman and Amulet Program Summary of Data ad Ongoing Trials

Matthew J. Price

La Jolla, CA

9:22 AM

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #729

**Physiology and Intravascular Imaging During Acute Coronary Syndromes**

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 206

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Elvin Kedhi

Co-Chair: Akiko Maehara

Panelist: Thach N. Nguyen

Panelist: Lorenz Raber

Panelist: Mladen I. Vidovich

8:00 AM

Long-term Outcomes of Physiology-guided Treatment of Lesions in Acute Coronary Syndromes Compared With Stable Coronary Artery Disease

Elvin Kedhi

Zwolle, Netherlands

8:10 AM

The Natural History of Lipid-Rich Plaque From the Lipid-Rich Plaque Study and Other Intravascular Imaging Studies

Ron Waksman

Washington, DC

8:20 AM

Panel Discussion With Audience Question and Answer

8:35 AM

FFR and iFR Stability and Predictability for Non-Culprit Lesions in STEMI

Troels Thim

Aarhus N, Denmark

8:45 AM

Case Presentation: A Patient With MINOCA (Myocardial Infarction With Non-Obstructive Coronary Arteries)

Nathaniel Rosso Smilowitz

Brooklyn, NY

8:52 AM

Panel Discussion With Audience Question and Answer

9:02 AM

What Does the Patient With Plaque Erosion, Plaque Rupture, or a Calcified Nodule Look Like?

Akiko Maehara

New York, NY

9:12 AM

Intravascular Near-Infrared Fluorescence and μOCT: Leveraging *In Vivo* Biology to Inform Plaque Progression and Stent Failure

Farouc A. Jaffer

Boston, MA

9:22 AM

Panel Discussion With Audience Question and Answer



### Interventional Cardiology - Oral Contributions

#### Session #910

#### Coronary and Peripheral Interventional Challenging Cases

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 203

CME Hours: / CNE Hours:

ACC Co-Chair: J. Abbott

ACC Co-Chair: Rajiv Gulati

ACC Panelist: Prashant Kaul

ACC Panelist: Hector Tamez Aguilar

ACC Panelist: Jennifer Tremmel

8:00 AM

Multiple Points of View to Improve Outcomes

Sandeep Dayanand, Jasmin Martinez Castellanos, Janani Rangaswami, Leandro Slipczuk Bustamante, Sanjog Kalra, Einstein Medical Center, Philadelphia, PA, USA

8:10 AM

Panel Discussion

8:15 AM

Successful Retrieval of Untangled and Elongated Gaia Wire by Rotablator During Chronic Total Occlusion Intervention

Soon Jun Hong, Han Saem Jeong, Korea University Anam Hospital, Seoul, South Korea

8:25 AM

Panel Discussion

8:30 AM

An Alternative Approach to Hemodynamically Assisted Percutaneous Intervention

Amy Cheney, James McCabe, Kathleen Kearney, University of Washington, Division of Cardiology, Seattle, WA, USA

8:40 AM

Panel Discussion

8:45 AM

Retrieval of an Entrapped Impella Device Using a Snare

Marinos Charalambous, Zlata Platsman, Avneet Singh, North Shore University Hospital - Northwell Health, Manhasset, NY, USA

8:55 AM

Panel Discussion

9:00 AM

Retrograde Percutaneous Intervention of an Aberrant Right Subclavian Artery Stenosis

Neha Maria Paul, Shamim Badruddin-Mawji, Srikanth Damaraju, University of Texas Health Science Center at Houston, Houston, TX, USA

9:10 AM

Panel Discussion

9:15 AM

True or False: A Percutaneous Closure of Aortic Pseudoaneurysm

Vigyan Bang, Sarju Ganatra, Brett Hiendlmayr, Thomas Piemonte, Lahey Hospital and Medical Center, Burlington, MA, USA

9:25 AM

Panel Discussion

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

#### Session #727

#### New and Emerging Applications of Nuclear Imaging for the Practicing Cardiologist - What Is the Right Test and the Right Patient? Joint Symposium of the American Society of Nuclear Cardiology and the American College of Cardiology

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 244

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Rob S.B. Beanlands

Co-Chair: Mary Norine Walsh

Panelist: Brian G. Abbott

Panelist: Rob S.B. Beanlands

Panelist: Sharmila Dorbala

Panelist: Prem Soman

8:00 AM

When I Suspect Cardiac Amyloid

Prem Soman

Pittsburgh, PA

8:15 AM

When I Suspect Cardiac Sarcoid

Sharmila Dorbala

Boston, MA

8:30 AM

When Should I Use Flow Measurements?

Rob S.B. Beanlands

Ottawa, Canada

8:45 AM

Low Dose MPI: Choosing the Right Approach for the Right Patient

Brian G. Abbott

East Greenwich, RI

9:00 AM

Panel Discussion

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

#### Session #909

#### Highlighted Original Research: Non Invasive Imaging and the Year in Review

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 254

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: James K. Min

Co-Chair: William A. Zoghbi

8:00 AM

Year in Review Speaker

Y. S. Chandrashekhar

Minneapolis, MN

8:12 AM

Patients With Acute Chest Pain in the Emergency Room: Early and Late Outcomes After Negative Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve

Jason Schott, Adam Hafeez, Kavitha Chinnaiyan, Gilbert Raff, Michael Gallagher, A. Neil Bilolikar, Robert Safian, William Beaumont Hospital, Royal Oak, MI, USA



8:22 AM

Discussion

8:25 AM

Relationship of Coronary Atherosclerosis, Coronary Lumen, and Coronary Ischemia: Results From the Prospective, Multicenter, International CREDENCE Trial

Inge J. van den Hoogen, Alexander van Rosendael, Jung Hyun Choi, So-Yeon Choi, Joon-Hyung Doh, Ae-Young Her, Bon-Kwon Koo, Chang-Wook Nam, Jason Cole, Alessia Gimelli, Muhammad Khan, Faisal Nabi, Ryo Nakazato, U. Joseph Schoepf, Randall Thompson, Hyuk-Jae Chang, Philippe Genereux, Paul Knapen, Gianluca Pontone, Wijnand Stuijffzand, Fay Lin, Leslee J. Shaw, James Min, for the CREDENCE Investigators, Department of Radiology, New York-Presbyterian Hospital and Weill Cornell Medicine, New York, NY, USA

8:35 AM

Discussion

8:38 AM

Stress CMR in Abnormal LVEF: Clinical Impact and Cost Effectiveness

Yin Ge, Kevin Steel, Shuaib Abdullah, Scott Bingham, J. Ronald Mikolich, John Heitner, Andrew Arai, W. Patricia Bandettini, Amit Patel, Afshin Farzaneh-Far, Subha Raman, Chetan Shenoy, Jorge Gonzalez, Steve Leung, Dipan Shah, Victor Ferrari, Jeanette Schulz-Menger, Rory Hachamovitch, Matthias Stuber, Orlando Simonetti, Raymond Kwong, Brigham and Women's Hospital, Boston, MA, USA, Society for Cardiovascular Magnetic Resonance, Mt. Royal, NJ, USA

8:48 AM

Discussion

8:51 AM

Predicting Major Adverse Cardiac Events With Cox Neural Networks: Results From the Refine Spect Registry

Piotr Slomka, Julian Betancur, Yuka Otaki, Frederic Commandeur, Tali Sharir, Andrew Einstein, Matthews Fish, Terrence Ruddy, Philipp A. Kaufmann, Albert Sinusas, Edward Miller, Timothy Bateman, Sharmila Dorbala, Marcelo Di Carli, Marcio Diniz, Guido Germano, Damini Dey, Lee Cooper, Daniel Berman, Cedars-Sinai Medical Center, Los Angeles, CA, USA

9:01 AM

Discussion

9:04 AM

Association of Low Myocardial Blood Flow Reserve on Long-Term Survival Does Not Vary by Patient Sex, Regardless of Pre-Test Clinical Risk or Post-Test Revascularization

Krishna Patel, Leslee J. Shaw, Brett Sperry, John A. Spertus, Arthur McGhie, Kevin Kennedy, Randall Thompson, Firas Al Badarin, Paul Chan, Timothy Bateman, University of Missouri-Kansas City, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

9:14 AM

Discussion

9:17 AM

Prognostic Role of Left Atrial Dysfunction and Estimation of Left Ventricular Filling Pressure on Heart Failure and Cardiovascular Death in Non Valvular Atrial Fibrillation: The ENGAGE-AF TIMI Echocardiographic Sub-Study  
Riccardo M. Inciardi, Robert Giugliano, Brian Claggett, Christian Ruff, Deepak Gupta, Elliott Antman, Michele Mercuri, Michael Grosso, Howard Rutman, Eugene Braunwald, Scott Solomon, Brigham & Women's Hospital and Harvard Medical School, Boston, MA, USA

9:27 AM

Discussion

**Prevention - Scientific**

**Session #730**

**Pearls In Lifestyle Related Prevention Every Cardiology Practitioner Needs to Know**

**Monday, March 18, 2019, 8:00 AM - 9:30 AM**

**Room 228**

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

Co-Chair: Kim K. Birtcher

Co-Chair: Richard A. Josephson

Panelist: Karen E. Aspyr

Panelist: Penny M. Kris-Etherton

Panelist: Nancy Rigotti

Panelist: Eric Stecker

Panelist: Pam Taub

Panelist: Robert A. Vogel

8:00 AM

The Mind-Body-Heart Connection: What's the evidence?

Pam Taub

La Jolla, CA

8:10 AM

Trending Nutritional Controversies: The Latest on Dairy, OM3, Legumes, and Fermented Foods

Penny Kris-Etherton

University Park, PA

8:20 AM

What to do About Your Patient Who Smokes: The Latest in Drugs, Devices, and Alternatives

Eric Stecker

Portland, OR

8:30 AM

*E-cigs and Vapes: What to Say When Patients Ask?*

Nancy Rigotti

Boston, MA

8:40 AM

mHealth Strategies for Cardiac and Vascular Rehab

Karen E. Aspyr

East Greenwich, RI

8:50 AM

How Much and What Type of Exercise: Latest Evidence for CVD Benefit

Robert A. Vogel

Denver, CO

9:00 AM

Panel Discussion With Audience Question and Answer

**Prevention - Oral Contributions**

**Session #911**

**Highlighted Original Research: Prevention and the Year in Review**

**Monday, March 18, 2019, 8:00 AM - 9:30 AM**

**Room 225**

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

Co-Chair: Erin D. Michos

Co-Chair: Donna M. Polk



8:00 AM

Year in Review Speaker

James A. de Lemos

Dallas, TX

8:12 AM

Impact of Microvascular Disease on Cardiorenal Outcomes in Type 2

Diabetes: An Analysis From the LEADER and SUSTAIN-6 Clinical Trials

Subodh Verma, Stephen C. Bain, Julie Broe Honore, Johannes F. E. Mann, Michael A. Nauck, Richard E. Pratley, Soren Rasmussen, Maria Sejersten Ripa, Bernard Zinman, John Buse, Novo Nordisk A/S, Søborg, Denmark

8:22 AM

Discussion

8:25 AM

Cardiac Rehabilitation Use Among Eligible Medicare Fee-for-Service Beneficiaries, 2016-2017

Matthew Ritchey, Sha Mares, Steven Keteyian, Clinton Brawner, Alexis Beatty, Mary Whooley, Jessica McNeely, Thomas Shaffer, Sandra Jackson, Tiffany Chang, Haley Stolp, Janet Wright, Centers for Disease Control and Prevention, Atlanta, GA, USA, Centers for Medicare and Medicaid Services, Baltimore, MD, USA

8:35 AM

Discussion

8:38 AM

The Impact of Non-Adherence to Antihypertensive Drug Therapy

William Aitken, William Adams, Lara Bakhos, Loyola University Chicago, Maywood, IL, USA

8:48 AM

Discussion

8:51 AM

Polygenic Hyperlipidemias and Coronary Artery Disease Risk

Pietari Ripatti, Sanni Soderlund, Joel T. Ramo, Ida Surakka, Aki S. Havulinna, Elisabeth Widén, Priit Palta, Nelson B. Freimer, Veikko Salomaa, Matti Pirinen, Aarno Palotie, Marja-Riitta Taskinen, Samuli Ripatti, Institute for Molecular Medicine Finland, HiLIFE, University of Helsinki, Helsinki, Finland

9:01 AM

Discussion

9:04 AM

Impact on Cardiovascular Outcomes Among E-Cigarette Users: A Review

From National Health Interview Surveys

Mohinder R. Vindhyal, Paul Ndunda, Cyrus Munguti, Shravani Vindhyal, Hayrettin Okut, University of Kansas School Of Medicine - Wichita, Wichita, KS, USA

9:14 AM

Discussion

9:17 AM

C-Reactive Protein Levels Modulate Lipoprotein(a)-Associated Cardiovascular Risk in Optimally-Treated Patients With High-Risk Vascular Disease

Rishi Puri, Steven Nissen, Benoit Arsenault, Julie St. John, Jeffrey Riesmeyer, Giacomo Ruotolo, Leslie Cho, Venu Menon, A. Lincoff, Stephen Nicholls, Cleveland Clinic, Cleveland, OH, USA

9:27 AM

Discussion

### Pulmonary Hypertension and Venous Thrombo-embolic Disease - Scientific

#### Session #731

#### A Glimpse Into the Future of Pulmonary Vascular Disease Management

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 352

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Micheala Aldred

Co-Chair: Marc Humbert

8:00 AM

Progress in Pulmonary Arterial Hypertension Biomarker Discovery: Insights From PVDOMICS

Erika Berman Rosenzweig

New York, NY

8:10 AM

Audience Question and Answer

8:15 AM

New Discoveries on the Metabolic Basis of PAH: Insights From PVDOMICS

Jane A. Leopold

Boston, MA

8:25 AM

Audience Question and Answer

8:30 AM

Does Genotype Predict Clinical Risk in Pulmonary Vascular Disease

Wendy Chung

New York, NY

8:40 AM

Audience Question and Answer

8:45 AM

New Drug Targets in PAH: Focusing on Ventricular and Vascular Compliance

Francois Haddad

Palo Alto, CA

8:55 AM

Audience Question and Answer

9:00 AM

ACC-Talk: Developing Therapeutics in Pulmonary Vascular Disease: Triumphs and Barriers

Marc Humbert

Orsay, France

9:15 AM

Panel Discussion With Question and Answer



### Special - Late-Breaking Clinical Trials

#### Session #409

##### Late-Breaking Clinical Trials

Monday, March 18, 2019, 8:00 AM - 9:15 AM

ACC.19 Main Tent (Great Hall)

CME Hours: 1.25 / CNE Hours: 1.25

Chair: Pamela Bowe Morris

Co-Chair: Roger S. Blumenthal

Panelist: Vera Bittner

Panelist: Lynne T. Braun

Panelist: Donald M. Lloyd-Jones

Panelist: Olugbenga Ogedegbe

Panelist: Joseph Tarsia

8:00 AM

Efficacy and Safety of Bempedoic Acid Added to Maximally Tolerated Statins in Patients with Hypercholesterolemia and High Cardiovascular Risk: The CLEAR Wisdom Trial

Anne C. Goldberg, Lawrence A. Leiter, Erik S. g. Stroes, Seth J. Baum, Jeffrey C. Hanselman, LeAnne T. Bloedon, Xin Zhao, Bart Duell, Esperion Therapeutics, Inc., Ann Arbor, MI, USA

8:10 AM

Panel Discussion

8:15 AM

Comparison of Three Combination Therapies in Lowering Blood Pressure in Black Africans (CREOLE Study)

Dike Oji, Motasim Badri, Victoria Cornelius, Veronica Francis, Neil Poulter, Creole Study Investigators, University of Abuja, Abuja, Nigeria, University of Cape Town, Cape Town, South Africa

8:25 AM

Panel Discussion

8:30 AM

Primary Results of the Intensive versus Standard Ambulatory Blood Pressure Lowering to Lessen Functional Decline in the Elderly Trial (INFINITY)

William B. White, Dorothy B. Wakefield, Nicola Moscufo, Charles R. G. Guttmann, Richard Kaplan, Richard Bohannon, Douglas Fellows, Charles Hall, Leslie Wolfson, University of Connecticut School of Medicine, Farmington, CT, USA

8:40 AM

Panel Discussion

8:45 AM

Effect of Dapagliflozin on Heart Failure and Mortality in Type 2 Diabetes Mellitus Based on Ejection Fraction

Eri T. Kato, Michael Silverman, Ofri Mosenzon, Thomas Zelniker, Remo Furtado, Julia Kuder, Sabina Murphy, Deepak L. Bhatt, Lawrence Leiter, Darren McGuire, John Wilding, Marc P. Bonaca, Christian Ruff, Peter Johansson, Ingrid Gause-Nilsson, Per Johanson, Anna Maria Langkilde, Itamar Raz, Marc Sabatine, Stephen Wiviott, TIMI Study Group, Boston, MA, USA

8:55 AM

Panel Discussion

9:00 AM

Reduction in Total Ischemic Events with Icosapent Ethyl in REDUCE-IT  
Deepak L. Bhatt, Philippe Steg, Michael Miller, Eliot Brinton, Terry Jacobson, Steven Ketchum, Ralph Doyle, Rebecca Juliano, Lixia Jiao, Craig Granowitz, Jean Claude Tardif, John Gregson, Stuart Pocock, Christie Ballantyne, for the REDUCE-IT Investigators, Brigham and Women's Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

9:10 AM

Panel Discussion

### Special - Scientific

#### Session #511

##### Cardiac Care for the Diabetic Patient - Fast-Paced Practical Advice based on Current Guidelines: International Perspectives From the European Society of Cardiology II and American College of Cardiology

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room La Nouvelle C

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Barbara Casadei

Co-Chair: Richard A. Chazal

8:00 AM

Why, Exactly, is the Diabetic Heart Different?

Christie M. Ballantyne

Houston, TX

8:10 AM

Audience Discussion with Question and Answer

8:15 AM

Primary Prevention in the Diabetic - The Ten Most Important Do's and Don'ts

Jane Margaret Armitage

Oxford, United Kingdom

8:25 AM

Audience Discussion with Question and Answer

8:30 AM

I've got Rhythm: Diabetes, AF and Sudden Death

Barbara Casadei

Oxford, United Kingdom

8:40 AM

Audience Discussion with Question and Answer

8:45 AM

Hypertension and Diabetes - Practical Tutorial

Keith C. Ferdinand

New Orleans, LA

8:55 AM

Audience Discussion with Question and Answer

9:00 AM

Drug Choices in Diabetes and Heart Failure - Advice for the Practicing Cardiologist

Mikhail Kosiborod

Leawood, KS

9:10 AM

Audience Discussion with Question and Answer



9:15 AM

Coronary Revascularization in Diabetes - a Checklist Approach

Stephan Windecker

Bern, Switzerland

9:25 AM

Audience Discussion with Question and Answer

### Special - Special

Session #732

#### Acing the Transition: What FITs Need to Know to Launch a Healthy, Successful Career

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 238

CME Hours: 0 / CNE Hours: 0

Co-Chair: Tanush Gupta

Co-Chair: Emily Lau

8:00 AM

A Pragmatic Approach to Selecting the Right Professional Practice After Fellowship

Anthony A. Hilliard

Redlands, CA

8:15 AM

Question and Answer

8:20 AM

Negotiation

Cathleen Biga

Woodridge, IL

8:35 AM

Question and Answer

8:40 AM

Did I Ace It? The Lessons Learned as I Made This Transition

Varsha Tanguturi

Brookline, MA

8:55 AM

Question and Answer

9:00 AM

What Makes a New Hire Valuable

Peter J. Tremblay

Boston, MA

9:10 AM

Question and Answer

9:15 AM

Creating the Optimal Work-Life Balance

Robert A. Harrington

Stanford, CA

9:25 AM

Question and Answer

### Valvular Heart Disease - Oral Contributions

Session #912

#### Highlighted Original Research: Valvular Heart Disease and the Year in Review

Monday, March 18, 2019, 8:00 AM - 9:30 AM

Room 220

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Heba S. Wassif

Co-Chair: Alan Zajarias

8:00 AM

Year in Review Speaker

Catherine M. Otto

Seattle, WA

8:12 AM

Outcomes in Chronic Hemodynamically Significant Aortic Regurgitation and Limitations of Current Guidelines

Li-Tan Yang, Hector Michelena, Christopher Scott, Maurice Enriquez-Sarano, Sorin Pislaru, Hartzell Schaff, Patricia Pellikka, Mayo Clinic, Rochester, MN, USA

8:22 AM

Discussion

8:25 AM

Outcomes of Non-Surgical Patients With Severe Tricuspid Regurgitation and Congestive Heart Failure

Amer N. Kadri, Vivek Menon, Yasser Sammour, Rama Dilip Gajulapalli, Chandramohan Meenakshisundaram, Leen Nusairat, Divyanshu Mohananey, Adrian Hernandez, Jose Navia, Amar Krishnaswamy, Brian Griffin, L. Leonardo Rodriguez, Serge Harb, Samir Kapadia, Cleveland Clinic, Cleveland, OH, USA

8:35 AM

Discussion

8:38 AM

Provider-Level Variability in the Treatment of Patients With Severe Symptomatic Aortic Valve Stenosis

J. Matthew Brennan, Alex Bryant, Isabel Boero, Tracy Wang, Sreekanth Vemulapalli, Vinod Thourani, Martin Leon, Eric Peterson, Duke University School of Medicine, Durham, NC, USA

8:48 AM

Discussion

8:51 AM

Whole Exome Sequencing Identifies Known and Unknown Genes Associated With Mitral Valve Prolapse

Aniek Van Wijngaarden, Yasmine L. Hiemstra, Tamara T. Koopmann, Claudia A. L. Ruivenkamp, Emmelien Aten, Jeroen J. Bax, Victoria Delgado, Daniela Q. C. M. Barge-Schaapveld, Nina Ajmone Marsan, Leiden University Medical Center, Leiden, The Netherlands

9:01 AM

Discussion



9:04 AM

Sex-Based Differences in Outcomes After Mitral Valve Surgery For Severe Ischemic Mitral Regurgitation: From the Cardiothoracic Surgical Trials Network  
**Gennaro Giustino**, Jessica Overbey, Doris Taylor, Gorav Ailawadi, Katherine Kirkwood, A. Gillinov, François Dagenais, Mary-Lu Mayer, Annette Gelijns, Alan Moskowitz, Emilia Bagiella, Marissa Miller, Peter Smith, Patrick O'Gara, Michael Acker, Anuradha (Anu) Lala-Trindade, Judy Hung, Icahn School of Medicine at Mount Sinai, New York, NY, USA

9:14 AM

Discussion

9:17 AM

Predictive Value of Right Ventricular Mechanics on Postoperative Right Ventricular Function in Patients Undergoing Mitral Valve Surgery  
**Marton Tokodi**, Balint K. Lakatos, Erika Kispal, Kristof Racz, Adam Soltesz, Istvan Hartmanszki, Endre Nemeth, Attila Kovács, Bela Merkely, Heart and Vascular Center, Semmelweis University, Budapest, Hungary

9:27 AM

Discussion

### Valvular Heart Disease - Hands-on Skills Learning

Session #1503

Personalized Skills Center: Heart Songs Meets Hand-Held Echo

Monday, March 18, 2019, 8:30 AM - 4:00 PM

Personalized Skills Center-Lounge & Learn Pavilion\_Hall B

CME Hours: 4 / CNE Hours: 4

8:30 AM

Heart Songs Moderator  
Michael J. Barrett  
Blue Bell, PA

10:00 AM

Heart Songs Moderator  
Lohit Garg  
Allentown, PA

12:00 PM

Heart Songs Moderator  
Matthew M. Schumaecker  
Roanoke, VA

12:00 PM

Heart Songs Moderator  
Daniel J. Makowski  
Danville, PA

2:00 PM

Heart Songs Moderator  
Syed Rafay Ali Sabzwari  
Allentown, PA

2:00 PM

Heart Songs Moderator  
Matthew W. Martinez  
Allentown, PA

### Special - Hands-on Skills Learning

Session #1508

Personalized Skills Center: Immersive Simulation Experiences From Technical Skills to Shared Decision-Making

Monday, March 18, 2019, 9:00 AM - 11:30 AM

Personalized Skills Center-Lounge & Learn Pavilion\_Hall B

CME Hours: / CNE Hours:

Faculty: Prashant D. Bhave

Faculty: Margaret T. Bowers

Faculty: James C. Coons

Faculty: Julie Friedman

Faculty: Sohah Iqbal

Faculty: Colleen Johnson

Faculty: Lyle Larson

Faculty: Jason Linefsky

Faculty: Matthew W. Martinez

Faculty: Tracy Parker

Faculty: Jerold L. Saef

Faculty: Daniel R. Schimmel

Faculty: Keri M. Shafer

Faculty: Michael T. Spooner

Faculty: Ada C. Stefanescu Schmidt

Faculty: Michele Toussaint

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

Session #1329

Acute and Stable Ischemic Heart Disease: Therapy 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

359 - Cardiovascular Benefit of Glucagon-Like Peptide-1 Receptor Agonists in Female Patients With Type 2 Diabetes Mellitus: A Meta-Analysis of Recent Cardiovascular Outcome Trials

David Aguilar, Efstratios Koutroumpakis, Heinrich Taegtmeyer, University of Texas Health Science Center Houston, Houston, TX, USA

360 - Comparison of Outcomes With Drug Eluting Versus Bare Metal Stent in Very Elderly Population

Abhishek Mishra, Sushruth Edla, Byomesh Tripathi, Shilpkumar Arora, Abdel Rahman Omer, Varun Kumar, Kanika Parashar, Edo Kaluski, Guthrie/Robert Packer Hospital, Sayre, PA, USA

361 - Intensity of Lipid Lowering Therapy Among Patients With Polyvascular Disease: Insights From the GOULD Registry

Ben Peterson, Deepak L. Bhatt, Mikhail Kosiborod, Christie Ballantyne, James de Lemos, Robert Rosenson, Kiran Philip, Katherine Mues, Shushama Alam, Yuyin Liu, Christopher Cannon, Brigham and Women's Hospital, Boston, MA, USA

362 - Trends and Factors Associated With Use of Multiple Arterial Grafts For Multivessel Coronary Artery Bypass Graft Surgery: A State-Wide Analysis of 68,357 Procedures

Gennaro Giustino, Doaa Alsaleh, Mario Gaudino, Natalia Egorova, Faisal Bakaeen, A. Gillinov, Alan Moskowitz, Pierre Voisine, John Puskas, John Alexander, Peter Smith, Annette Gelijns, Stephen Fremes, Icahn School of Medicine at Mount Sinai, New York, NY, USA

363 - Application of Ticagrelor or Clopidogrel Based Dual Antiplatelet Therapy Following a Pharmacoinvasive Strategy in ST-Segment Elevation Myocardial Infarction: Insights From the Vital Heart Response Registry

Robert C. Welsh, Jay Shavadia, Yinggan Zheng, Benjamin Tyrrell, Raymond Leung, Neil Brass, Kevin Bainey, Mazankowski Alberta Heart Institute, Edmonton, Canada



365 - Short Versus Twelve Months of Dual Antiplatelet Therapy After Drug-Eluting Stents Implantation: Systematic Review and Meta-Analysis of Randomized Controlled Trials

Mohamed Ayan, Mohsin Salih, Aisha Siraj, Rimsha Hasan, Sabeeda Kadavath, Fuad Habash, Aiman Smer, UAMS, Little Rock, AR, USA, Creighton University, Omaha, NE, USA

366 - Predictive Ability of the PARIS Risk Score in All-Comers Patients Undergoing PCI With Drug Eluting Stents: External Validation in the Global Leaders Study

Ply Chichareon, Usman Baber, Rodrigo Modolo, Chun-Chin Chang, Norihiro Kogame, Kuniaki Takahashi, Mariusz Tomania, Yuki Katagiri, Salvatore Curello, Gavin Galasko, Gregor Leibundgut, Victor Umans, Guy Friedrich, Tim Seidler, Ernest Spitzer, Yoshinobu Onuma, Philippe Steg, Christian Hamm, Peter Jüni, Pascal Vranckx, Marco Valgimigli, Stephan Windecker, David van Klaveren, Roxana Mehran, Patrick Serruys, Academic Medical Center, Amsterdam, The Netherlands

367 - Clinical Outcomes of the COMBO Dual Therapy Coronary Stent Versus Standard Drug Eluting Stents: Meta-Analysis

Paul Ndunda, Mohinder Vindhyal, Tabitha M. Muutu, Cyrus Munguti, Zaher Fanari, University of Kansas School of Medicine - Wichita, Wichita, KS, USA

368 - Prophylactic Dialysis in Patients With Renal Dysfunction Undergoing Coronary Artery Bypass Surgery: Systematic Review and Meta-Analysis

Miluska O. Mejia Trebejo, Hanna Mieszcanska, Rochester Regional Health, Unity Hospital, Rochester, NY, USA, University of Rochester Medical Center, Rochester, NY, USA

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

#### Session #1330

#### Acute and Stable Ischemic Heart Disease: Clinical 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

370 - Comparison of Revascularization and In-Hospital Mortality in Patients With True Posterior Wall Myocardial Infarction Versus Overall ST-Elevation Myocardial Infarction

Hassaan Arshad, Sara Ayaz Butt, Mirela Feurdean, Rutgers New Jersey Medical School, Newark, NJ, USA

371 - Prognostic Implication of Global Myocardial Blood Flow and Flow Reserve in Patients With ST-Segment Elevation Myocardial Infarction

Rikuta Hamaya, Yoshihisa Kanaji, Akinori Sugano, Masahiro Hada, Yoshinori Kanno, Eisuke Usui, Masahiro Hoshino, Masao Yamaguchi, Yohei Sumino, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

372

Abstract.Title:

Incidence of Cardiovascular Events Among Real-World Patients With Chronic Coronary Artery Disease or Peripheral Artery Disease Receiving Aspirin  
Ariel Berger, Nicholas Leeper, Qi Zhao, Alex Simpson, Windsor Ting, Brian Murphy, Jeffrey Berger, Johnson & Johnson, Titusville, NJ, USA, Evidera, Waltham, MA, USA

373 - Prevalence of Post-Traumatic Stress Disorder and Other Psychological Sequelae in Patients Who Have Experienced Spontaneous Coronary Artery Dissection

Alexis Johnson, Marysia Tweet, Patricia Best, Rajiv Gulati, Sharonne Hayes, Mayo Clinic Department of Cardiovascular Medicine, Rochester, MN, USA

374 - A Myth in Better Patient Care: Study of Trending Troponin

Muhammad Usman Ali, Muhammad Sattar, Jonathan Finkel, Christopher Struby, Mirnouye Domond, Jugeet Kanwal, Neha Puri, Crozer-Chester Medical Center, Upland, PA, USA

375 - Upper Gastrointestinal Bleeding Is Associated With Significant Mortality in Patients Undergoing Percutaneous Coronary Intervention For Stable Ischemic Heart Disease

Fawad Virk, Muhammad Choudhry, Hussain Ibrahim, Wissam Khalife, Umamahesh Rangasetti, Syed Gilani, University of Texas Medical Branch, Galveston, TX, USA

376 - Core Laboratory Assessment of Non-Fatal Q-Wave Myocardial Infarction in the Global Leaders Trial: Methods and Findings

Ernest Spitzer Cano, Ply Chichareon, Eugene McFadden, Rodrigo Modolo, Kuniaki Takahashi, Chun Chin Chang, Norihiro Kogame, Yuki Katagiri, Stephen Hoole, Tommaso Gori, Azfar Zaman, Bernhard Frey, Rui Cruz Ferreira, Olivier F. Bertrand, Sing-Chien Yap, Philippe Steg, Christian Hamm, Peter Jüni, Pascal Vranckx, Marco Valgimigli, Stephan Windecker, Patrick Serruys, Yoshinobu Onuma, Osama Soliman, GLOBAL LEADERS Investigators, Erasmus University Medical Center, Rotterdam, The Netherlands, Cardialysis BV, Rotterdam, The Netherlands

377 - Cardiac Rupture and Myocardial Band: "The Weak Points of the Heart"

Francisco Javier Roldan, Jesus Vargas-Barron, Omar Y. Antunez Montes, Alberto F. Aranda, Jorge Cossio-Aranda, Instituto Nacional de Cardiologia, Ciudad de Mexico, Mexico

378 - Cardiovascular Biomarkers and Heart Failure Risk in Patients With Stable Atherothrombotic Disease: A Nested Biomarker Study From TRA 2°P-TIMI 50

David Berg, Benjamin Freedman, Marc P. Bonaca, Petr Jarolim, Benjamin M. Scirica, Erica Goodrich, Marc Sabatine, David Morrow, TIMI Study Group, Brigham and Women's Hospital, Boston, MA, USA

379 - Machine Learning Versus Traditional Risk Stratification Methods in Acute Coronary Syndrome: A Pooled Randomized Clinical Trial Analysis

Tarek Nafee, William Gibson, Ryan Travis, Megan Yee, Mathieu Kerneis, Magnus Ohman, C. Michael Gibson, Beth Israel Deaconess Medical Center, Boston, MA, USA

380 - Role of Circulating miR-497 in Acute Myocardial Infarction Patients and Hypoxia/Reoxygenation H9c2 Cells

Md Sayed Ali Sheikh, A. Alduraywish, U. Salma, Wu Zhichao, Ke Xia, T. L. Yang, J. Peng, College of Medicine, Jouf University, Sakaka, Saudi Arabia, Central South University, Changsha, People's Republic of China

381 - Trends in Racial Differences in 30-Day Readmission Rate For Acute Myocardial Infarction: An Analysis From the NCDR Chest Pain-mi Registry

Ambarish Pandey, Rohan Khera, Di Lu, Muthiah Vaduganathan, Karen Joynt Maddox, Sandeep Das, Dharam Kumbhani, Abhinav Goyal, Saket Girotra, Paul Chan, Gregg Fonarow, Roland Matsouka, Tracy Wang, James de Lemos, University of Texas Southwestern Medical Center, Dallas, TX, USA, Duke Clinical Research Institute, Durham, NC, USA

382 - An Explainable Machine Learning-Based Risk Prediction Model For In-Hospital Mortality For Chinese STEMI Patients: Findings From China Myocardial Infarction Registry

Jingang Yang, Yingxue Li, Xiang Li, Tiange Chen, Guotong Xie, Yuejin Yang, Fuwai Hospital, National Center for Cardiovascular Diseases, Beijing, People's Republic of China, Ping'An Healthcare Technology, Beijing, People's Republic of China



383 - Impact of Mean Platelet Volume on ST Resolution Following Thrombolysis in Acute ST Elevation Myocardial Infarction: A Systematic Review and Meta-Analysis  
Wasawat Vutthikraivit, Pavida Pachariyanon, Pattara Rattanawong, Saranapoom Klomjit, Pakpoom Tantrachoti, Mohammad Ansari, Scott Shurmur, Pablo Paz, Sofia Prieto, Mohamed Elmassry, Texas Tech University Health Sciences Center, Lubbock, TX, USA

384 - The Diagnostic Value of C-Reactive Protein to Troponin Ratio For the Differentiation of Perimyocarditis From Acute Myocardial Infarction  
Simcha R. Meisel, Jamil Muhassen, Naama Amsalem, Rami Abu Fanne, Carmel Levin, Aaron Frimerman, Aya Asif, Yaniv Levi, David Blondheim, Avraham Shotan, Michael Kleiner Shochat, Heart Institute, Hillel Yaffe Medical Center, Hadera, Israel

385 - The Prognostic Significance of Different Bleeding Classifications in Off-Pump Coronary Artery Bypass Grafting  
Wei Liu, Yujie Zhou, Beijing Anzhen Hospital, Beijing, People's Republic of China

386 - Mechanical Complications in Patients With Acute Myocardial Infarction: Insights From the Health Facts Database  
Bhaskar Bhardwaj, Bin Ge, Robin L. Kruse, Arun Kumar, Martin Alpert, Mary Dohrmann, Kul Aggarwal, University of Missouri-Columbia, Columbia, MO, USA

387 - Prognostic Relevance of Plasma D-Dimer and Fibrinogen Levels on Adverse Cardiovascular Events After Percutaneous Coronary Intervention in Patients With Coronary Artery Disease  
Min Gyu Kang, Kyehwan Kim, Jae Seok Bae, Jeong Yoon Jang, Hyun Woong Park, Jin-Sin Koh, Jeong Rang Park, Yongwhi Park, Seok Jae Hwang, Kwak Choong Hwan, Jinyong Hwang, Young-Hoon Jeong, Gyeongsang National University Hospital, Jinju, South Korea

388 - US Validation and Modification of the High-STEACS Pathway Using Serial hs-cTnI to Identify Emergency Department Patients at Low Risk For Adverse Events  
Yader Sandoval, Stephen Smith, Anne Sexton, Karen Schulz, Fred Apple, Hennepin County Medical Center, Minneapolis, MN, USA

389 - Causes of Elevated High Sensitivity Troponin T in Consecutive Emergency Department Patients  
Korosh Sharain, Vlad Vasile, Brad S. Karon, Allan Jaffe, Mayo Clinic, Rochester, MN, USA

390 - Systemic Lupus Erythematosus Is Associated With Increased Periprocedural Stroke in Patients With ST-Elevated Myocardial Infarction: Analysis of Most Recent National Inpatient Sample, 2016  
Dhrubajyoti Bandyopadhyay, Vivek Modi, Karan Sud, Faris Haddadin, Alba Munoz Estrella, Hassan Beydoun, Adrija Hajra, Rishi Shrivastav, Raktim Ghosh, Eyal Herzog, Mount Sinai St Luke's Roosevelt Hospital, New York, NY, USA

391 - Risk Stratification Post-ACS Using a Variable Number of Patient Features  
Collin Stultz, Paul Myers, Wei (Tiffany) Huang, Fred Anderson, Massachusetts Institute of Technology, Cambridge, MA, USA

392 - Usefulness of the HEART Score Without Troponin Valueto Stratify Patients With Suspected Non-ST Elevation Acute Coronary Syndrome  
Juan Costabel, Marcia Cortes, Florencia Lambardi, Paula Ariznavarreta, Silvana Resi, Roberto Campos, Instituto Cardiovascular de Buenos Aires, Buenos Aires, Argentina

393 - Impact of Hypertension on the Predictive Value of Hemoglobin Glycation Index on Cardiovascular Outcomes  
Jing-Lu Jin, Di Sun, Ye-Xuan Cao, Hui-Wen Zhang, Yuan-Lin Guo, Na-Qiong Wu, Cheng-Gang Zhu, Ying Gao, Qiu-Ting Dong, Geng Liu, Qian Dong, Jian-Jun Li, Fuwai Hospital, Beijing, People's Republic of China

394 - Clinical Significance of HIP (High Intensity Plaque) Detected by MRangiography Within Human Atherosclerotic Coronary Arterial Intima: A Study With Intravascular Imagings  
Toshihiko Nishida, Takafumi Hiro, Mitsumasa Sudo, Daisuke Kitano, Daisuke Fukamachi, Michiaki Matsumoto, Koji Oiwa, Yasuo Okumura, Yokohama Central Hospital, Yokohama, Japan, Nihon University School of Medicine, Tokyo, Japan

395 - Impact of Treatment Strategy of Acute Myocardial Infarction on Discharge Medications  
Grant Henderson, Mouin Abdallah, Michael Johnson, Moses Anabila, Kathleen Kravitz, Jeevanantham Rajeswaran, Venu Menon, Stephen Ellis, A. Lincoff, Eugene Blackstone, Samir Kapadia, Umesh Khot, Cleveland Clinic, Cleveland, OH, USA

396 - Recurrent Acute Myocardial Infarction After an Acute Myocardial Infarction  
Grant Henderson, Mouin Abdallah, Michael Johnson, Moses Anabila, Kathleen Kravitz, Jeevanantham Rajeswaran, Venu Menon, Stephen Ellis, A. Lincoff, Eugene Blackstone, Samir Kapadia, Umesh Khot, Cleveland Clinic, Cleveland, OH, USA

397 - Readmission Risk For Acute Myocardial Infarction After Acute Myocardial Infarction Stratified by Initial Presentation of STEMI Versus NSTEMI  
Grant Henderson, Mouin Abdallah, Michael Johnson, Moses Anabila, Kathleen Kravitz, Jeevanantham Rajeswaran, Venu Menon, Stephen Ellis, A. Lincoff, Eugene Blackstone, Samir Kapadia, Umesh Khot, Cleveland Clinic, Cleveland, OH, USA

398 - Temporal Trends in Health Care Utilization Due to Chest Pain Following Percutaneous Coronary Intervention  
Brent Williams, Daniela Geba, Stephen Voyce, James Blankenship, Geisinger Health System, Danville, PA, USA

399 - Infarct Characteristics, Treatment, and Clinical Outcome in Patients With Transient St-Segment Elevation Myocardial Infarction Versus ST-Segment Elevation Myocardial Infarction Patients  
Gladys Janssens, Nina van der Hoeven, Jorrit Lemkes, Maarten Van Leeuwen, Peter van de Ven, Stijn Brinckman, Jorik Timmer, Martijn Meuwissen, Arno Van Der Weerd, Tim Ten Cate, Jan Piek, Clemens von Birgelen, Roberto Diletti, Javier Escaned, Albert van Rossum, Robin Nijveldt, Niels Van Royen, Amsterdam UMC, VU University Medical Center, Amsterdam, The Netherlands, Radboud University Medical Center, Nijmegen, The Netherlands

400 - Association Between Plaque Types, Systematic Inflammation, and Lipid-Lowering Effect of Statin in Acute Myocardial Infarction Patients  
Runzhen Chen, Peng Zhou, Chen Liu, Yu Tan, Sheng Zhaoxue, Jiannan Li, Jinying Zhou, Hanjun Zhao, Song Li, Hongbing Yan, Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences, Beijing, People's Republic of China



401 - Predictors of All-Cause Mortality in the BARI 2D Trial Identified by Machine-Learning  
Zyannah Mallick, Amit Dey, Yuan Gu, Ruba Shalhoub, Runqiu Wang, Colin Wu, Xin Tian, Eileen Navarro Almario, Tejas Patel, Jerome Fleg, Kettermann Anna, Gyorgy Csako, George Sopko, Helena Svilgin, Lawton Cooper, Victoria Xin, Karim Calis, Nuha Gani, Iffat Chowdhury, Burkhardt Keith, Ana Szarfman, Sean Coady, Frank Pucino, Yves Rosenberg, Ahmed Hasan, Meta-Analytical Interagency Group (MATIG), Bethesda, MD, USA

403 - Racial and Gender Disparities in Outcomes of Percutaneous Coronary Intervention in Human Immunodeficiency Virus Patients  
Adebayo Christian Atanda, Odunayo Olorunfemi, Talal Alzahrani, Olajide Buhari, Gbola Ogunbajo, Kelechi O. Weze, Ayman Elbadawi, Ramesh Mazhari, Jonathan Reiner, The George Washington University Hospital, Washington, DC, USA

404 - Serial High-Sensitivity Cardiac Troponin T Measurements to Rule Out Acute Myocardial Infarction and a Single High Baseline Measurement For Swift Rule-In: A Systematic Review and Meta-Analysis  
Murat Arslan, Admir Dedic, Eric Boersma, Eric A. Dubois, Erasmus Medical Center, Rotterdam, The Netherlands

405 - Consequent Use of Available Oral Lipid Lowering Agents Would Bring the Majority of High-Risk Patients With Chd to Recommended Targets: An Estimate Based on the DYSIS II Study Population  
Anselm K. Gitt, Gaetano De Ferrari, Dominik Lautsch, Martin Horack, Carl Baxter, Philippe Brudi, Jean Ferrieres, DYSIS-II-Study-Group, Herzzenrum Ludwigshafen, Ludwigshafen, Germany, Institut f. Herzinfarktforschung Ludwigshafen, Ludwigshafen, Germany

406 - PAD as a Predictor of Clinical Outcomes and Mortality in ACS Patients: Data From the Israeli National ACSIS Registry  
Ana Luiza Zigman, Shlomi Matetzky, Shaul Atar, Doron Zahger, Roy Beigel, Zaza Iakobishvili, Sheba Medical Center, Tel Aviv, Israel

407 - Current Situation of Medication Adherence After ST-Segment Elevation Myocardial Infarction in China  
Lan Shen, Yutong Miao, Yanqiao Lu, Ben He, Shanghai Chest Hospital, Department of Cardiology, Shanghai, People's Republic of China

408 - Reversible Left Ventricular Systolic Dysfunction Associated With Spontaneous Coronary Artery Dissection  
Jessica Duran, Yousef Ghazzawi, Aferdita Spahillari, M. Ihsan Kaadan, Shelly Mishra, Francesca Ponzini, Nandita Scott, Sarah Tsiaras, Malissa Wood, Massachusetts General Hospital, Boston, MA, USA

409 - Hemodialysis as a Predictor of Outcomes After Isolated Coronary Artery Bypass Grafting  
Ramsey Elsayed, Mark Barr, Robbin Cohen, Craig Baker, Vaughn Starnes, Michael Bowdish, University of Southern California, Los Angeles, CA, USA

410 - Incidence and Outcomes of Cardiogenic Shock in Patients With Sepsis Complicated by Acute Myocardial Infarction  
Gowthami Kobbari, Srikanth Yandrapalli, Viswajit Reddy Anugu, Ravi Teja Pasam, Varun Siri Atti, Naga Kanaparth, Christopher Nabors, Wilbert Aronow, Westchester medical center, valhalla, NY, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1320

#### Arrhythmias and Clinical EP: Supraventricular/Ventricular

#### Arrhythmias 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

265 - Anesthesia Utilization in Cardiac Ablations 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

266 - Non-Pulmonary Vein Trigger Ablation Improves the Single-Procedure Success Rate of Catheter Ablation in Persistent Atrial Fibrillation: Results From a Large Prospective Multicentre Experience

Domenico Giovanni Della Rocca, Sanghamitra Mohanty, Chintan Trivedi, Qiong Chen, Omer Gedikli, Amin Al-Ahmad, John Burkhardt, Gerald Gallinghouse, Javier Sanchez, Alfredo Chauca Tapia, Rodney Horton, Sharan Sharma, Dhanunjaya Lakkireddy, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

267 - Risk of Thromboembolic Events in Patients With High CHA<sub>2</sub>DS<sub>2</sub>-VASC Score Undergoing Catheter Ablation of Non-Paroxysmal Atrial Fibrillation With/Without Left Atrial Appendage Electrical Isolation: A Propensity Score Matched Comparison

Domenico Giovanni Della Rocca, Chintan Trivedi, Luigi Di Biase, Sanghamitra Mohanty, Qiong Chen, Omer Gedikli, Alfredo Chauca Tapia, Amin Al-Ahmad, John Burkhardt, Gerald Gallinghouse, Javier Sanchez, Rodney Horton, Sharan Sharma, Dhanunjaya Lakkireddy, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

268 - Is Paroxysmal Supraventricular Tachycardia Truly Benign? Insightful Association Between PSVT and Stroke From a National Inpatient Database  
Sharan Sharma, Donita Atkins, Sudharani Bomman, Syed Kazi, Ifthekar Ahmed, Stephen Bloom, Yoaav Krauthammer, Rakesh Gopinathannair, Zhenguo Liu, Greg Flaker, Buddhadeb Dawn, Andrea Natale, Dhanunjaya Lakkireddy, Kansas City Heart Rhythm Institute, Overland Park, KS, USA

269 - Intravenous Vernakalant For the Treatment of New-Onset Atrial Fibrillation in the Emergency Department

Simcha R. Meisel, Jameel Mohsen, Ashkar Jalal, Avraham Shotan, Mark Kazatsker, Heart Institute, Hillel Yaffe Medical Center, Hadera, Israel

270 - Increased Rates of Cardioversion and Ablation in Patients With Atrial Fibrillation and Sleep Apnea Compared to Patients With Atrial Fibrillation Alone: A Nationwide Study

Alba Munoz Estrella, Faris Haddadin, Dhrubajyoti Bandyopadhyay, Hassan Beydoun, Vivek Modi, Eyal Herzog, Mount Sinai St. Luke's - West, New York, NY, USA

271 - Angiotensin Converting Enzyme Inhibitor Reduces the Incidence of Atrial Fibrillation in Heart Failure With Preserved Ejection Fraction Patients: A Retrospective Cohort Study From the Treatment of Preserved Cardiac Function Heart Failure With an Aldosterone Antagonist Trial

Tran Nguyen, Talal Alzahrani, James McCaffery, Raza Yunus, Adebayo Christian Atanda, Marco Mercader, Allen Solomon, The George Washington University, Washington, USA

272 - Left Atrial Fibrosis, Functional Change, and a Risk of Thrombus in Patients With Atrial Fibrillation: Left Atrial Fibrosis Begets Atrial Fibrillation or Vice Versa?

Hee-Dong Kim, Dong-Hyuk Cho, Mi-Na Kim, Sung Ho Hwang, Jaemin Shim, Jong-II Choi, Young-Hoon Kim, Yu-Whan Oh, Wan Joo Shim, Seong-Mi Park, Korea University Anam Hospital, Seoul, South Korea



273 - Intraclass Correlations of Voltage, Fractionated Electrograms, and Dominant Frequency in Patients Where Localized Ablation Terminated Persistent Atrial Fibrillation  
Albert J. Rogers, Nosheen Moosvi, Abhinav Singh, Mahmood Alhusseini, Tina Baykaner, Paul Clopton, Wouter-Jan Rappel, Paul Wang, Sanjiv Narayan, Stanford University, Stanford, CA, USA, UC San Diego, San Diego, CA, USA

274 - Comparing Anti-Coagulation Strategies in Patients Undergoing Watchman Implantation: Incidence of Periprocedural and 45-Day Thrombosis and Bleeding

Nachiket Madhav Apte, Michael Pierpoline, Aman Patel, Lance Longmore, Tawseef Dar, Alexander Robinson, Ahsan Khan, Aaron Timins, Karan Gupta, Kimberly Wilson, Daniel Jipescu, Anand Subramanian, Som Aftabizadeh, Senthil Thambidorai, Madhu Reddy, University of Kansas Medical Center, Kansas City, KS, USA, Medical City, Fort Worth, TX, USA

275 - Apical Variant Hypertrophic Cardiomyopathy and Multiple ICD Shocks  
Georgiana Luisa Baca, Grace Lin, Steve Ommen, Peter Brady, Mayo Clinic, Rochester, MN, USA

276 - Atrial Fibrillation Wellness Program Leads to Decreased Emergency Room Visits and 30 Day Re-Hospitalization Rates

Nitesh Sood, Katie Calheta, Rose Larrivee, Ramin Davoudi, Arnoldas Giedrimas, Peter Cohn, David Teixeira, Kelly Walker, Brianne Cabral, Lori Mullins, Debra Benevides, Southcoast Health System, Fall River, MA, USA

277 - Impact of Valvular Heart Disease, Anticoagulation, and Left Atrial Appendage Occlusion Devices: A Novel Approach  
Michael Pierpoline, Lance Longmore, Nachiket Apte, Alexander Robinson, Tawseef Dar, Madhu Reddy, Jonathan Chandler, Kansas University Medical Center, Kansas City, KS, USA

278 - Importance of Stabilized Myocardial Substrate For Ablation of Ventricular Tachycardia in an Unstable Acutely Post-Infarct Patient With a Durable Left Ventricular Assist Device  
Gordon Ho, Andrew Lin, Jonathan Hsu, Kurt Hoffmayer, Farshad Raissi, Gregory Feld, Eric Adler, Victor Pretorius, David Krummen, University of California San Diego, La Jolla, CA, USA

### Arrhythmias and Clinical EP - Poster Contributions

Session #1321

#### Arrhythmias and Clinical EP: Devices 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

279 - Getting the Lead Out of Rv Pacing: Micra According to Maude Lauren Ashley Rousseau, Shady Henien, Esseim Sharma, Brian McCauley, Michael Wu, Antony Chu, Brown University, Providence, RI, USA

280 - Impact of Ultra-Conservative Implantable Cardioverter Defibrillator Programming in Patients With Left Ventricular Assist Devices: Avoiding Unnecessary Tachy-Therapies  
Alexander Robinson, Valay Parikh, Mohammad-Ali Jazayeri, Michael Pierpoline, Madhu Reddy, Martin Emert, Rhea Pimentel, Raghveer Dendi, Loren Berenbom, Katie Christensen, Andrew Sauer, Zubair Shah, Nicholas Haglund, Travis Abicht, Seth Sheldon, Kansas University Medical Center, Kansas City, KS, USA

281 - Defibrillators Following Recent Acute Myocardial Infarction: A Meta-Analysis of Randomized Clinical Trials

Yazan Zayed, Babikir Kheiri, Mahmoud Barbarawi, Laith Rashdan, Ghassan Bachuwa, Mustafa Hassan Mahmoud, Deepak L. Bhatt, Hurley Medical Center/Michigan State University, Flint, MI, USA

282 - Men, Women, & Matters of the Heart Explaining Sex Differences in Response to Cardiac Resynchronization Therapy

Mariah Barlow, Sara Klinger, Gregory Sinner, Mackenzie Wyatt, Maya Guglin, University of Kentucky Medical Center Gill Heart Institute, Lexington, KY, USA

283 - Low Intensity Ultrasound Stimulation Might Reduce Ventricular Arrhythmia by Modulating Sympathetic Neural Activity in Myocardial Infarction Canine Model

Songyun Wang, Binxun Li, Xuemeng Li, Lin Wu, Hong Jiang, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

284 - New Pacemaker Requirements After Surgical Ablation of Atrial Fibrillation During Valve Surgery

Andrei Churyla, Azad Karim, Adin-Cristian Andrei, Jane Kruse, Rachel Kaplan, Rod Passman, James Cox, Patrick McCarthy, Northwestern Memorial Hospital, Chicago, IL, USA

285 - Watchman Complications Reported in the Manufacturer and User Facility Device Experience Database

Shady Henien, Lauren Rousseau, Alan Miller, Rachel Karo, Antony Chu, Brown University, Providence, RI, USA

286 - Long-Term Results in Paediatric Cardiac Pacing: Single Center 12 Years Experience

Olga L. Bokeriya, Zalina Kudzoeva, Tatyana Le, Soslan Khugaev, A. N. Bakulev National Center for Cardiovascular Surgery, Moscow, Russian Federation

287 - Comparison of Nanostim and Micra Transcatheter Leadless Pacemaker (LP) Extractions: A Multicenter Experience

Tawseef Dar, Bharath Yarlagadda, Muhammad Afzal, Sharan Sharma, Paul Friedman, Vivek Reddy, Rakesh Gopinathannair, Sandeep Gautam, Gregory Flaker, Zhenguo Liu, Greg Flaker, Andrea Natale, Dhanunjaya Lakkireddy, University of Kansas Medical Center, Kansas City, KS, USA

288 - Left Atrial Appendage Closure: Are Men and Women Equal? Results From the Coburg Laa Occlusion Register

Christian Mahnkopf, Marcel Mitlacher, Johannes Brachmann, Steffen Schnupp, Klinikum Coburg, Coburg, Germany

289 - Pacemaker Pocket Approach to Atrioventricular Nodal Ablation

Manju Bengaluru Jayanna, Nagalakshmi Nagarajan, Amgad Mentias, Chakradhari Inampudi, Alexandros Brasoulis, Michael Giudici, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

### Arrhythmias and Clinical EP - Poster Contributions

Session #1322

#### Arrhythmias and Clinical EP: Basic 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

290 - Histological Features of the Atria in Patients With Mixed Mitral Valvular Heart in Sinus Rhythm and Atrial Fibrillation

Deepak Padmanabhan, Bharat Banavalikar, Maneesh Rai, G. Kamalapurkar, Kalpana S. R., Jayaprakash Shenthal, Jayadeva Institute for Cardiac Sciences and Research, Bangalore, India

291 - Impact of Patient Frailty on One-Year Mortality Across CHA<sub>2</sub>DS<sub>2</sub>-VASc Scores: From the TREAT-AF Study

Krishna Pundi, Alexander Perino, Jun Fan, Mariam Askari, Paul Heidenreich, Mintu Turakhia, Stanford University, Stanford, CA, USA



292 - Pre- and Post-Treatment With Amiodarone For Elective Electrical

Cardioversion of Atrial Fibrillation: A Systematic Review and Meta-Analysis

Kevin Um, Jeff Healey, William McIntyre, Pablo A. Mendoza, Alex Koziarz, Guy Amit, Victor A. Chu, Richard Whitlock, Emilie Belley-Cote, McMaster University, Hamilton, Canada, Population Health Research Institute, Hamilton, Canada

294 - The Impact of Bleeding and Comorbidities on the Risk of Mortality in Patients With Atrial Fibrillation

Robert Kiss, Daniel Aradi, Gyorgy Rokszin, Ibolya Fabian, Csaba Andras Dezsi, Bela Merkely, Military Hospital, Budapest, Hungary, Semmelweis University, Budapest, Hungary

295 - Acute Functional Impairment After First Atrial Fibrillation Ablation Associates With Recurrence

Ibolya Csecs, Alan Morris, Takanori Yamaguchi, Eugene Kholmovski, Mobin Kheirkhahan, David Peritz, Gagandeep Kaur, Boston Loveless, Benjamin Hardisty, Bela Merkely, Brent Wilson, Nassir Marrouche, Comprehensive Arrhythmia Research & Management Center, Salt Lake City, UT, USA

296 - Sarcoidosis Increases the Risk of Complete Heart Block: A Review From the National Inpatient Sample

Amr Salama, Abdullah Sayied Abdullah, Ninad Nadkarni, Richard Alweis, Rochester Regional Health/Unity Hospital, Rochester, NY, USA

**Arrhythmias and Clinical EP - Poster Contributions**

**Session #1323**

**Arrhythmias and Clinical EP: Other 5**

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

297 - Does Morphology of the Thrombus Formed in the Left Atrial Appendage Indicate Peri-Device Leak in Patients With Watchman Device: Results From a Single-Center Study

Omer Gedikli, Sanghamitra Mohanty, Chintan Trivedi, Domenico Della Rocca, Qiong Chen, Alfredo Tapia, Sharan Sharma, John Burkhardt, Javier Sanchez, Joe Gallinghouse, Amin Al-Ahmad, Rodney Horton, Dhanunjaya Lakkireddy, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

298 - Spontaneous Coronary Artery Dissection and Incident Ventricular Arrhythmias: Frequency, Clinical Characteristics, and Outcomes

Stephanie Chen, Harshith Avula, Andrew Ambrosy, Robert Lundstrom, Sahar Naderi, Kaiser Permanente Northern California, San Francisco, CA, USA

299 - Beneficial Effect of Multipoint Pacing in CRT Patients Based on Non-Invasive Hemodynamic Assessment: Data of the COMPACT-MPP Study

Antonio Curcio, Antonio Ruocco, Giuseppe Santarpia, Salvatore Crispò, Grazia Canciello, Giuseppe Ammirati, Maria Colangelo, Caterina Covello, Daniela Capasso, Antonio Rapacciulo, Ciro Mauro, Ciro Indolfi, Division of Cardiology, Department of Medical and Surgical Sciences, Magna Graecia University, Catanzaro, Italy, U.R.T. C.N.R., I.F.C., Catanzaro, Italy

300 - Non Vitamin K Oral Anticoagulants Are Not Associated With Increased Risk of Perioperative Bleeding in Patients Undergoing Cardiac Surgery

Nathan Waldron, Peter Shrader, Jerrold Levy, Larry Allen, Paul Chan, Michael Ezekowitz, Gregg Fonarow, James Freeman, Bernard Gersh, Elaine Hylek, Peter Kowey, Kenneth Mahaffey, Gerald Naccarelli, James Reiffel, Daniel Singer, Benjamin Steinberg, Eric Peterson, Jonathan Piccini, Duke Clinical Research Institute, Durham, NC, USA

301 - Prevalence of Triggers From Non-Pulmonary Vein Sites in Patients With Prior Coronary Artery Bypass Grafting or Maze Procedure Undergoing Catheter Ablation For Atrial Fibrillation

Sanghamitra Mohanty, Chintan Trivedi, Domenico Della Rocca, Qiong Chen, Omer Gedikli, Carola Gianni, Alfredo C. Tapia, Sharan Sharma, John Burkhardt, Javier Sanchez, Gerald Gallinghouse, Amin Al-Ahmad, Rodney Horton, Dhanunjaya Lakkireddy, Luigi di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

302 - Association of Subclinical Atrial Fibrillation With Risk of Stroke: Results From a Meta-Analysis

Sanghamitra Mohanty, Prasant Mohanty, Veronica Natale, Chintan Trivedi, Domenico Della Rocca, Qiong Chen, Omer Gedikli, Alfredo C. Tapia, Joanna Assadourian, Luigi di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

303 - National Trends of Acute Pericarditis and Pericardial Effusion Post Atrial Fibrillation Ablation

Fahed Darmoch, Yasser Al-Khadra, Mohamad Soud, Homam Moussa Pacha, Amir Kaki, M. Chadi Alraies, Allan Klein, Beth Israel Deaconess Medical Center, Boston, MA, USA

304 - Use of Dual P-Glycoprotein and Moderate CYP3A4 Inhibitors With Rivaroxaban or Apixaban Increases Bleeding

Sarah Hanigan, Jessica Das, Kristen Pogue, Michael Dorsch, Michigan Medicine, Ann Arbor, MI, USA

305 - Is an Isolated ST Segment Elevation in Lead aVR Associated With High Grade Coronary Artery Disease? Systematic Review

Emily Hiltner, Amit Alam, Ammar Al Akshar, Haroon Kamran, Kleanthis Theodoropoulos, Prachi Thanawali, Abdul Hakeem, John Kassotis, Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ, USA

306 - Quantitative P Wave Characteristics During Sinus Rhythm Are Altered by Cavo-Tricuspid Isthmus Ablation

Franz Schweis, Gordon Ho, Ishan Mehta, Christopher T. Villongco, Kurt Hoffmayer, Gregory Feld, Andrew D. McCulloch, David Krummen, University of California, San Diego, La Jolla, CA, USA

307 - Association Between Serum Cotinine Levels and PR and QT Intervals and Their Components

George Augustine Koromia, Affan Irfan, Daniel Riggs, Ahmed Amro, Andrew DeFilippis, Elsayed Soliman, Aruni Bhatnagar, Alex Carll, University of Louisville, Louisville, KY, USA, Marshall University, Huntington, WV, USA

308 - Identifying Cardiac Arrest by ICD Codes: The Accuracy of Diagnoses

Julie Shelton, Marc Paranzino, Sarah Price Wright, Matthew Cook, Sethabhisha Nerusu, Xiaoshu Li, Vedant Gupta, Susan Smyth, University of Kentucky, Lexington, KY, USA

309 - Arrhythmia Type and Duration on Myocardial Recovery in Patients With Arrhythmia Induced Cardiomyopathy: A Multicenter Study

Rakesh Gopinathannair, Rahul Dhawan, Brian Olshansky, Andrew Murray, Talha Farid, Sharan Sharma, Dhanunjaya Lakkireddy, University of Louisville, Division of Cardiovascular Medicine, Louisville, KY, USA, Kansas City Heart Rhythm Institute, Overland Park, KS, USA



310 - T-Wave Axis Deviation Predicts Incident Heart Failure and Fatal Outcomes in High Risk Subjects Undergoing Coronary Angiography  
Zakaria Almuwaggat, Ayman Alkhoder, Ayman Samman Tahhan, Matt Amin, Belal Kaseer, Muaaz Choudhary, Ghazzal Bahjat, Devinder Dhindsa, Murtaza Jafri, Wesley O'Neal, Sidra Siddiqui, Rami Abdulbaki, Saqib Qadir, Arianna Sidoti, Afnan Khan, Muhammad Dhanani, Elsayed Soliman, Viola Vaccarino, Arshed Quyyumi, Amit Shah, Emory Cardiovascular Clinical Research Institute, Atlanta, GA, USA

311 - Reasons For Inappropriate Emergency Department Attendances in Patients With a History of Atrial Fibrillation: Results From the Multicentre AF-ED Trial  
Ben Glover, Kathryn L. Hong, David Bakker, Jason Baley, Corinne Babiolakis, Chao Xue, Filipa Saramago, Damian Redfearn, Queen's University, Kingston, Canada, Kingston Health Sciences Centre, Kingston, Canada

312 - Burden and Predictors of Cardiac Arrhythmia in Hospitalized Orthotopic Heart Transplant Recipients: Insights From the Nationwide Inpatient Sample  
Ahmed Elkaryoni, Hasan F. Othman, Amr Barakat, Ahmed Elkafrawy, University of Missouri Kansas City, Kansas City, MO, USA, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

### Congenital Heart Disease - Poster Contributions

Session #1339

#### Congenital Heart Disease: Pediatric 4

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

477 - Imaging and Management Strategies in Aortic Dilation

Lerraughn Morgan, Timothy Rauschke, Brian Harvey, Jamie Lohr, Shanthi Sivanandam, University of Minnesota, Minneapolis, MN, USA

478 - Mitral Valve Replacement in Pediatric Patients Using Extracellular Matrix Cylinder Valve: A Case Series

Carmen Kiper, Clifford Cua, Peter Baker, Patrick McConnell, Nationwide Children's Hospital, Columbus, OH, USA

479 - Use of Lean Six Sigma Methodology to Improve Operating Room Efficiency For Pediatric Cardiac Surgeries: A Pilot Study

Fatima Ali, Akbar Rajani, Sana Noorani, Devvani Chowdhury, Babar Hasan, Aga Khan University Hospital, Karachi, Pakistan

484 - Vascular Replacement Using a Novel Expandable Expanded Polytetrafluoroethylene (ePTFE) Graft in a Growing Porcine Model: 3-Month Study With Interventional Expansion

Timothy Pirolli, Arush Kalra, Blue Martin, Doug Bernstein, Alan Nugent, University of Texas, Southwestern/Children's Medical Center of Dallas, Dallas, TX, USA

485 - Impaired Bioenergetics in Right Ventricular Failure Is Associated With Lipid Peroxidation and Decreased Mitochondrial Dynamics

Hyun Tae Hwang, Nefthi Sandeep, Ming Ming Zhao, Dong-Qing Hu, Ingrid Lan, Michael Coronado, Kristina Kooiker, Giovanni Fajardo, Daniel Bernstein, Sushma Reddy, Stanford University, Stanford, CA, USA

486 - Building Capacity to Assess Longitudinal Outcomes and Health Expenditures For Children With Congenital Heart Disease

Brett R. Anderson, Kacie Dragan, Sherry Glied, Joyce Woo, Damien LaPar, John Billings, Columbia University Irving Medical Center, New York, NY, USA

### Congenital Heart Disease - Poster Contributions

Session #1340

#### Congenital Heart Disease: Adult 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

487 - Importance of Abdominal Compression Valsalva Maneuver and Microbubble Grading in Contrast Transthoracic Echocardiography For Detecting Patent Foramen Ovalle

Yoichi Takaya, Teiji Akagi, Rie Nakayama, Koji Nakagawa, Hiroshi Ito, Okayama University, Okayama, Japan

488 - Consideration of Optimal Timing For Pulmonary Valve Replacement in Asymptomatic Repaired Tetralogy of Fallot Using Feature Tracking Magnetic Resonance Strain

Akio Inage, Kanako Kishiki, Naokazu Mizuno, Sakakibara Heart Institute, Fuchu-city, Tokyo, Japan

489 - Effects of Transcatheter Pulmonary Valve Implantation on Cardiopulmonary Capacity: A Systematic Review and Meta-Analysis

Mohammed Edrees Alomar, Rowan Walsh, Marc Cohen, Newark Beth Israel Medical Center, Newark, NJ, USA, Robert Wood Johnson-Barnabas Healthcare System, NJ, USA

490 - Coronary Artery Disease in Adults With Tetralogy of Fallot

Alexander C. Egbe, Heidi Connolly, Mayo Clinic, Rochester, MN, USA

495 - Incidence and Outcomes of Prosthetic Valve Endocarditis in Adults With Tetralogy of Fallot

Alexander C. Egbe, Heidi Connolly, Mayo Clinic, Rochester, MN, USA

496 - Outcomes of Pregnancy in Women With Left Ventricular Noncompaction

Melissa Lyle, Vaibhav Vaidya, Rowlens Melduni, Carl Rose, Heidi Connolly, William Miranda, Mayo Clinic, Rochester, MN, USA

497 - Risk Predictions in Adult Congenital Heart Disease Patients With Heart Failure: A Systematic Review

Lee Harel-Sterling, Fei Wang, Sarah Cohen, Aihua Liu, James Brophy, Gilles Paradis, Ariane Marelli, McGill Adult Unit for Congenital Heart Disease Excellence, Montreal, Canada

498 - Outcomes of Hospitalizations For Adult Congenital Heart Disease Patients Admitted With Heart Failure

Anushree Agarwal, Carson W. Dudley, Gregory Nah, Robert Hayward, Zian Tseng, University of California San Francisco, San Francisco, CA, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

Session #1342

#### Heart Failure and Cardiomyopathies: Clinical 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

499 - Trends of Pulmonary Artery Catheter Use in Heart Failure Hospitalizations: A National Estimate

Mandira Patel, Srishti Nayak, Prashant Patel, Amish Patel, Kishore Mukherjee, Steven Deutsch, Sami Nazzal, Issa Alesh, University of California, Riverside, Riverside, CA, USA

500 - Role of Pocket Ultrasound in the Management of Heart Failure Exacerbation in Patients With CKD

Wissam Khalife, Mukku Venkatakishore, Aiham Albaeni, Mohamed Faher Almahmoud, University of Texas Medical Branch, Galveston, TX, USA



501 - The Role of Pocket Ultrasound in Assessing Intravascular Volume to Guide Management in Challenging Heart Failure Patients

Wissam Khalife, Mukku Venkatakishore, Aiham Albaeni, Mohamed Faher Almahmoud, University of Texas Medical Branch, Galveston, TX, USA

502 - Iron Deficiency in Heart Failure, an Underdiagnosed and Undertreated Condition During Hospitalization

Ronak Mistry, Hitomi Hosoya, Patricia Ford, Andrew Kohut, Pennsylvania Hospital of the University of Pennsylvania Health System, Philadelphia, PA, USA

503 - Sex Differences in Plasma Concentrations and Prognostic Value of NT-proBNP in Chronic Heart Failure

Alberto Aimo, James Januzzi, Giuseppe Vergaro, Andrea Ripoli, Roberto Latini, Jennifer Meessen, Inder S. Anand, Jay Cohn, Jørgen Gravning, Thor Ueland, Ståle H. Nymo, Hans-Peter Brunner-La Rocca, Antoni Bayes-Genis, Josep Lupon, Rudolf De Boer, Akiomi Yoshihisa, Yasuchika Takeishi, Michael Egstrup, Ida Gustafsson, Hanna Gaggin, Kai Eggers, Kurt Huber, Ioannis Tentzeris, Claudio Passino, Michele Emdin, Scuola Superiore Sant'Anna, Pisa, Italy

504 - Diastolic Pulmonary Gradient Predicts Right Ventricular Failure After Left Ventricular Assist Device Implantation

Hilmi Alnsasra, Rabea Asleh, Sarah Schettle, Naveen Pereira, Robert Frantz, Brooks Edwards, Alfredo Clavell, Simon Maltais, Richard Daly, John Stulak, Andrew Rosenbaum, Atta Behfar, Sudhir Kushwaha, Mayo Clinic, Rochester, MN, USA

505 - Patient Health Status Trajectories in Heart Failure With Recovered Ejection Fraction

Peter Wohlfahrt, Jose Nativi-Nicolau, Mingyuan Zhang, Craig Selzman, Tom Greene, Jorge Conte, Joshua Biber, Rachel Hess, Omar Wever-Pinzon, Stavros Drakos, Edward Gilbert, Line Kemeyou, Bernie LaSalle, Abdallah Kfoury, Benjamin Steinberg, Rashmee Shah, James Fang, John A. Spertus, Josef Stehlik, University of Utah, Salt Lake City, UT, USA

506 - Provider Perspectives on the Feasibility and Utility of Routine Patient-Reported Outcomes Assessment in Heart Failure: A Qualitative Analysis

Peter Wohlfahrt, Susan Zickmund, Stacey Slager, Larry Allen, Jose Nativi-Nicolau, Abdallah Kfoury, G. Michael Felker, Adam DeVore, Rachel Hess, John A. Spertus, Josef Stehlik, University of Utah, Salt Lake City, UT, USA

507 - Characterization of Immune Checkpoint Inhibitor-Related Cardiotoxicity in Lung Cancer Patients From a Rural Setting in Eastern North Carolina

Melissa Y. Y. Moey, Anna Tomdio, Justin D. McCallen, Lauren Vaughan, Rafeh Naqash, Cynthia Cherry, Blase Carabello, Paul R. Walker, East Carolina University, Greenville, NC, USA, Vidant Medical Center, Greenville, NC, USA

508 - Natural Unbiased Stratification of Risk in Heart Failure With Preserved Ejection Fraction Using Unsupervised Clustering of Clinical and Echocardiographic Variables

Alaa M. Omar, Sukrit Narula, Alla Yugay, Jairo Tejada, William Sanchez, Arsalan Rehmani, Ahmed Elwan, Edgar Argulian, Jonathan N. Bella, BronxCare Hospital Center, New York, NY, USA, Icahn School of Medicine at Mount Sinai, Saint Luke's Hospital, New York, NY, USA

509 - The Role of Serum Cardiac Biomarkers and Left Ventricular Strain

Imaging For Detecting Early Radiation Induced Myocardial Damage in Women Undergoing Left-Sided Breast Radiation Therapy: A Pilot Study  
Alexandra Murphy, Omar Farouque, Anoop Koshy, Farshad Faroudi, Mark Horrigan, Michael Chao, Terase Lancefield, Austin Health, Melbourne, Australia

510 - Lipoprotein(a) Is Associated With Elevated Mitral E/e' Ratio in Japanese Non-Heart Failure Population

Yoshiko Mizuno, Masao Daimon, Kohei Uemura, Hidetaka Ito, Kiriyama Hiroyuki, Yuriko Yoshida, Koki Nakanishi, Hidehiro Kaneko, Daisuke Koide, Nobutake Yamamichi, Issei Komuro, The University of Tokyo, Tokyo, Japan

511 - Gender Variation in the Predictive Validity of the Kansas City Cardiomyopathy Questionnaire

Vittal Hejjaji, Krishna Patel, Tang Yuanyuan, Philip Jones, Bryce B. Reeve, Kevin Weinfurt, Theresa Coles, Ileana L. Pina, John A. Spertus, Mid America Heart Institute, Kansas City, MO, USA

512 - Predictors and Clinical Outcomes of Vasoplegia in Patients Bridged to Heart Transplantation With Continuous Flow Left Ventricular Assist Devices

Rabea Asleh, Hilmi Alnsasra, Sarah D. Schettle, Riad Taher, Shannon Dunlay, John Stulak, Richard Daly, Atta Behfar, Naveen Pereira, Alfredo Clavell, Simon Maltais, Robert Frantz, Brooks Edwards, Sudhir Kushwaha, Mayo Clinic, Rochester, MN, USA

513 - Does Pathology Antibody-Mediated Rejection Lead to Intimal Thickening in the First-Year After Heart Transplantation?

Takuma Sato, Richard Cheng, Babak Azarbal, Ryan Levine, Sadia Dimbil, Jignesh Patel, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

514 - Development of Pathophenotypes For Patients With Recently Decompensated Heart Failure

George F. Wohlfahrt, Daniel Contaifer, Jr., Leo Buckley, Dave Dixon, Justin Canada, Elvin T. Price, Antonio Abbate, Dayanjan S. Wijesinghe, Benjamin Van Tassell, Virginia Commonwealth University School of Pharmacy, Richmond, VA, USA, VCU Health Pauley Heart Center, Richmond, VA, USA

515 - Does Time on an Intra-Aortic Balloon Pump For Heart Failure Affect Outcome After Transplant?

Sadia Dimbil, Ryan Levine, Babak Azarbal, Jignesh Patel, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

517 - Early Left Ventricular Dilation Is Associated With Lower Subsequent Ejection Fraction in Duchenne Muscular Dystrophy

Michael Parsons, Reid Thompson, Johns Hopkins University School of Medicine, Baltimore, MD, USA

518 - Short Term Recurrence Rate of Takotsubo Cardiomyopathy

Rohit Rattan, Vikas Singh, Prabhjot Bedi, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

519 - Longitudinal Echocardiographic Findings of Danon Disease: Insights From a Global Registry

Gary Ma, Quan Bui, Michela Brambatti, Victor Escobedo, Nathan Nguyen, Elizabeth Covarrubias, David Teng, Alessandro Maolo, Matthew Taylor, Eric Adler, UC San Diego, La Jolla, CA, USA

520 - D-Dimer as a Novel Marker of Inflammation in Pericarditis

Chandra Kanth Ala, Kinjal Banerjee, Johnny Chahine, Beni Verma, Arnav Kumar, Muhammad Furqan, Kimi Sato, Rory Hachamovitch, Christine Jellis, Stanley L. Hazen, Luis Afonso, Allan Klein, Cleveland Clinic, Cleveland, OH, USA

521 - Patent Foramen Ovale, Friend or Foe in Heart Failure Patients?

Steve Antoine, Andres Pineda Maldonado, Jose Rivas, Carmen Smotherman, Shiva Gautam, Alan Miller, UF Health, Jacksonville, FL, USA



522 - Trends and Outcomes of Gastrointestinal Bleeding Admissions Among Patients With Left Ventricular Assist Devices

**Dinesh Voruganti**, Ghanshyam P. S. Shantha, Chakradhari Inampudi, Paulino Alvarez, Michael Giudici, Alexandros Biasoulis, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

523 - Cardiogenic Shock Complicating Hypertrophic Cardiomyopathy: Insights From the National Inpatient Sample Database From 2010 to 2015

**Sagar Ranka**, Mohit Pahuja, **Pablo Michel**, Udit Joshi, Harsh Rawal, Pedro Villalbana, Wilbert Aronow, Srihari Naidu, John H. Stroger Hospital of Cook County, Chicago, IL, USA

524 - Impact of Admitting Inpatient Service on Length of Stay and Hospital Readmissions in Patients With Heart Failure

**Bernard Kadosh**, Mitali Thakore, Jeremy Jacobson, Adam Prince, Biana Trost, Lenox Hill Hospital, New York, NY, USA

525 - Temporal Trends in Clinical and Financial Burden of Heart Failure Hospitalizations in Chronic Inflammatory Diseases: Insights From Nationwide Inpatient Sample 2004-2016

**Aditya A. Joshi**, Joseph Lerman, Aparna Sajja, Amit Dey, Maria Patarroyo, Amresh Raina, Allegheny General Hospital, Pittsburgh, PA, USA

526 - Correlation of Echocardiographic Findings With Symptoms in Hypertrophic Cardiomyopathy Patients

**Nikolaos Papoutsidakis**, Carolyn Ho, Neal Lakdawala, Justin Vincent-Tompkins, Sharlene Day, Euan A. Ashley, Michelle Michels, Steven Colan, Iacopo Olivotto, James Ware, Alexandre Pereira, Daniel Jacoby, Yale School of Medicine, New Haven, CT, USA

527 - Novel Interaction Between Right Ventricular Function and Myocardial Fibrosis Is a Powerful Predictor of Outcomes in Patients With Non-Ischemic Cardiomyopathy

**Shailee Y. Shah**, Nishant Shah, Sophia Downey, Nathaniel Lee, Scott Flamm, Wai Hong Tang, Brian Griffin, Deborah Kwon, Cleveland Clinic, Cleveland, OH, USA

528 - Identifying Predictors of Hospitalization Due to Heart Failure in the TOPCAT Trial Using Machine Learning Techniques

**Gauri Dandi**, Amit Dey, Yuan Gu, Ruba Shalhoub, Runqiu Wang, Colin Wu, Xin Tian, Eileen Navarro Almario, Tejas Patel, Jerome Fleg, Anna Kettermann, Gyorgy Csako, George Sopko, Helena Sviglin, Nashwan Farooque, Zyannah Mallick, Victoria Xin, Laboni Hoque, Iffat Chowdhury, Keith Burkhart, Lawton Cooper, Nehal Mehta, Frank Pucino, Yves Rosenberg, Ahmed Hasan, Meta-Analytical Interagency Group (MATIG), Bethesda, MD, USA

529 - Predicting Post-Discharge Mortality Risk Among Recently Hospitalized Medicare Patients With Heart Failure With Reduced Ejection Fraction

**Prakash Navaratnam**, **Mark Stampehl**, Howard Friedman, Patricia Russo, Si Y. Park, Engels Obi, DataMed Solutions LLC, New York, NY, USA, Novartis Pharmaceutical Corporation, East Hanover, NJ, USA

530 - Temporal Trend of LVAD Usage in Different Racial Groups With Heart Failure Exacerbation From 2008 to 2014

**Xin Wei**, Yumeng Wen, Kevin Gu, Scott Kaplin, Swiri Konje, Gregg Lanier, Mount Sinai St. Luke's and West, New York, NY, USA

531 - Relevance and Significance of Left Ventricular Ejection Fraction in Chronic Heart Failure Phenotypes in a Large Cohort of Heart Failure Patients: Results From the PINNACLE Registry and Planned Validation With Linked Medicare Data and Swedish Heart Failure Registry

**Hanna Kim Gaggin**, Asa K. Hedman, Yang Song, Sanjiv Shah, Lars Lund, Qi Gao, Nasrien Ibrahim, Gianluigi Savarese, Gheorghe Doros, Ulf Dahlstrom, James Januzzi, Massachusetts General Hospital, Boston, MA, USA

533 - An iPad-Based Measure of Processing Speed in Older Adults Hospitalized For Heart Failure

**Eiran Z. Gorodeski**, Anson B. Rosenfeldt, **Karen Fang**, Cynthia Kubu, Stephen M. Rao, Amy E. Jansen, Tanujit Dey, Jay L. Alberts, Cleveland Clinic, Cleveland, OH, USA

534 - Differential Impact of Apnea Hypopnea Index and Nocturnal Oxygen Desaturation on Cardiac Dysfunction in Patients With Sleep Disordered Breathing

**Osama Mukarram**, Andre Gabriel, Min Jung Kim, Kai Chen, University of Connecticut, Farmington, CT, USA

535 - Subendocardial Viability Ratio Associates With Echocardiographic Parameters of Diastolic Function: Insights From the Bogalusa Heart Study

**Camilo Fernandez-Alonso**, Alexander C. Razavi, Alexander Romero, Jose Nativi-Nicolau, Rupert P. Barshop, Lydia Bazzano, Tulane University, New Orleans, LA, USA, Harvard University, Boston, MA, USA

536 - Heart Failure as a Confounder of Chronic Lung Disease in Patients With Severe Aortic Stenosis Undergoing TAVR

**Jesus Pino**, Varun Shah, Fergie Ramos Tuarez, Edwin Grajeda, Kai Chen, Samineh Sehatbakhsh, Swethika Sundaravel, Lovitz Lawrence, Mark Rothenberg, Roberto Cubeddu, Marcos Nores, Robert Chait, University of Miami/JFK Medical Center, Atlantis, FL, USA

537 - The Predictive Value of Hemoconcentration and Hemoglobin Level During the Treatment of Acute Decompensated Heart Failure

**Hiroyuki Kono**, Takeshi KITAI, Kitae Kim, Natsuhiko Ehara, Atsushi Kobori, Makoto Kinoshita, Shuichiro Kaji, Yutaka Furukawa, Kobe City Medical Center General Hospital, Kobe, Japan

538 - Fractional Excretion of Sodium After the Treatment of Acute Decompensated Heart Failure Predicts the Prognosis

**Hiroyuki Kono**, Takeshi Kitai, Kitae Kim, Atsushi Kobori, Natsuhiko Ehara, Makoto Kinoshita, Shuichiro Kaji, Yutaka Furukawa, Kobe City Medical Center General Hospital, Kobe, Japan

539 - Assessment of Right Ventricular Function in Advanced Heart Failure Patients Using Right Heart Catheterization and SPECT Ventriculography

**Voitech Melenovsky**, Marek Tupy, Nevenka Solar, Adrian Reichenbach, Hikmet Al-Hiti, Tereza Havlenova, Luca Monzo, Ivan Netuka, Josef Kautzner, Institute for Clinical and Experimental Medicine - IKEM, Prague, Czech Republic

540 - Cardiac Enlargement on Chest X Ray as a Predictor of Polyneuropathy, Organomegaly, Endocrinopathy, Monoclonal Gammopathy, and Skin Changes (POEMS) Syndrome

**Nobusada Funabashi**, Yoshio Kobayashi, Department of Cardiology, Chiba University, Chiba, Japan

541 - Genome-Wide Association Study of Mortality Benefit From Beta-Blockers in Patients With Heart Failure With Reduced Ejection Fraction

**Tyler Shugg**, Jia Li, Ruicong She, Hongsheng Gui, Hani N. Sabbah, L. Keoki Williams, Jasmine A. Luzum, David E. Lanfear, University of Michigan, Ann Arbor, MI, USA, Henry Ford Health System, Detroit, MI, USA

542 - Inferior Vena Cava Diameter Measurement Provides Distinct and Complementary Information to Right Atrial Pressure in Acute Decompensated Heart Failure

**Matthew Griffin**, Veena Rao, Devin Mahoney, Brendan Stewart, Griffin Struyk, Peri Shamlan, Megan Pattoli, Nicole Gomez, Parinita Raghavendra, Joslyn Barnett, Anvin Thomas, Emily Wycallis, James Fleming, Jeffrey M. Testani, Yale School of Medicine, New Haven, CT, USA



543 - Utah Cardiac Recovery Score Effectively Predicts Myocardial Recovery in Patients Supported With Durable Left Ventricular Assist Devices  
Iosif Taleb, Benjamin Horne, Michael Yaoyao Yin, Anna Catino, Omar Wever-Pinzon, Michael Bonios, William Caine, Antigoni Koliopoulos, Rami Alharethi, Abdallah Kfoury, Line Kemeyou, James Fang, Josef Stehlík, Craig Selzman, Stavros Drakos, University of Utah, Salt Lake City, UT, USA

544 - The "Weekend Effect" in Heart Failure Admissions  
Muhammad Panhwar, Adham Karim, Ankur Kalra, Tanush Gupta, Sahil Khera, Dhaval Kolte, Mahazarin Ginwalla, Case Western Reserve University/University Hospitals of Cleveland, Cleveland, OH, USA

545 - Identification of Cardiac Amyloidosis Among a Cohort of Hypertrophic Cardiomyopathy Patients  
Amber Fatima, Martin Maron, Barry Maron, Ethan Rowin, Tufts Medical Center, Boston, MA, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1343

#### Heart Failure and Cardiomyopathies: Therapy 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

546 - The Effects of CD34+ Cell Therapy on Functional Mitral Regurgitation in Patients With Non-Ischemic Dilated Cardiomyopathy  
Sabina Frliak, Gregor Zemljic, Gregor Poglajen, Andraz Cerar, Martina Jaklic, Francois Haddad, Bojan Vrtovec, University Medical Center Ljubljana, Ljubljana, Slovenia, Stanford University School of Medicine, Palo Alto, CA, USA

547 - Injection Induced Myocardial Stunning: Acute Deterioration of Left Ventricular Ejection Fraction Following Transendocardial Injections  
Leonardo Wagner Florencio Dos Santos, Ke Li, Sudeep Kuchibhotla, Emerson Perin, Texas Heart Institute, Houston, TX, USA

548 - Characteristics and Outcomes of Patients Diagnosed With Cardiac Sarcoidosis at the Time of LVAD or Transplant  
Tyler Schmidt, Andrew Rosenbaum, Nikhil Kolluri, Suraj Kapa, Lori Blauwet, Mayo Clinic, Rochester, MN, USA

549 - Percutaneous Transvalvular Microaxial Ventricular Assist Device to Decompress the Left Ventricle in Patients Undergoing Veno-Arterial Extracorporeal Membrane Oxygenation For Cardiogenic Shock: A Systematic Review and Metanalysis  
Edwin Grajeda, Jesus Pino, Waqas Ghuman, University of Miami/JFK Medical Center GME Consortium, Atlantis, FL, USA

550 - Influence of Beta Blockers on the Hemodynamic Response to Intravenous Inotropes in Acute Decompensated Heart Failure  
Sarah Jagielski, Nan Wang, Ilya Danelich, Jonathan Cicci, Ian Hollis, Patricia Chang, Jo Rodgers, University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC, USA, University of North Carolina School of Medicine, Chapel Hill, NC, USA

551 - The Use of Impella Heart Pump For Management of Women With Peripartum Cardiogenic Shock  
Uri Elkayam, Shelley Hall, Alexandra Lansky, Andreas Schaefer, Alaide Chieffo, Zoltan Arany, Cindy Grines, USC, Los Angeles, CA, USA

554 - Comparing Carvedilol With Metoprolol Succinate For All-Cause Mortality in Patients With Heart Failure With Reduced Ejection Fraction: A Systematic Review and Meta-Analysis

Paul A. Gurbel, Amit Rout, Kevin Bliden, Udaya Tantry, Ankit Vyas, Rahul Chaudhary, Inova Heart and Vascular Institute, Falls Church, VA, USA, Sinai Hospital, Baltimore, MD, USA

555 - Effect of Anakinra on Colchicine Resistant and Steroid Dependent Recurrent Pericarditis: A Systemic Review and Meta-Analysis

Muhammad Furqan, Riffat Abdullah, Beni Verma, Chandra Ala, Yasser Sammour, Johnny Chahine, Paul Cremer, Massimo Imazio, Allan Klein, Cleveland Clinic Foundation, Cleveland, OH, USA

560 - Listing Older Patients For Transplant or Offering LVAD Destination Therapy?

Anuradha (Anu) Lala-Trindade, John Rowland, Bart Ferket, Marissa Miller, Francis Pagani, Emilia Bagiella, Alan Moskowitz, Sean Pinney, Annette Geljins, Donna Mancini, Icahn School of Medicine, Mount Sinai Hospital, New York, NY, USA

561 - Pacing Therapies For Sleep Apnea and Cardiovascular Outcomes

Sharan Sharma, Bader Madoukh, Sindhuja Palle, Donita Atkins, Sudharani Bommana, Prajwala Lakkireddy, Naresh Kodwani, Brian Mieczkowski, Peter Park, Rangarao Tummala, Rakesh Gopinathannair, Sanghamitra Mohanty, Andrea Natale, Dhanunjaya Lakkireddy, Kansas City Heart Rhythm Institute, Overland Park, KS, USA

566 - Prior Exposure to a Conventional Renin-Angiotensin System Antagonist and Angiotensin Receptor-Neprilysin Inhibition in Acute Decompensated Heart Failure: A Prespecified Subgroup Analysis of the PIONEER-HF Trial

Andrew P. Ambrosy, Adam DeVore, David Morrow, Eugene Braunwald, Carolyn Duffy, Kevin McCague, Ricardo Rocha, Eric Velazquez, Department of Cardiology, The Permanente Medical Group, San Francisco, CA, USA, Division of Research, Kaiser Permanente Northern California, Oakland, CA, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1344

#### Heart Failure and Cardiomyopathies: Basic 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

556 - Serum Active Collagenase From Pathogenic Archaeal Collagenase May Cause Heart Failure in Chagasic Patients

Maria De Lourdes Higuchi, Joyce Kawakami, Renata Ikegami, Marcia Reis, Camila R. Moreno, Jaqueline Pereira, Barbara Ianni, Paula Buck, Marilia Santos, Edimar Bocchi, Instituto do Coração do Hospital das Clínicas - da Faculdade de Medicina da Universidade de São Paulo, São Paulo, Brazil

557 - N-Acetylcysteine Reverses Peroxynitrite and Hydrogen Peroxide-Induced Apoptosis of Human Myocardial Cells

Saifei Liu, John Horowitz, University of Adelaide, Adelaide, Australia, Basil Hetzel Institute, Woodville, Australia

558 - Association of Humanin a Novel Mitochondrial Protein With Human Heart Failure: An Assessment of Mortality and Clinical Biomarkers

Sati Patel, Jennifer D. Hwang, Hemalatha Narayanasamy, Luanda Grazette, Jeffrey Tran, Pinchas Cohen, Junxiang Wan, Keck School of Medicine, University of Southern California, Los Angeles, CA, USA



559 - Evaluation of Cardiac Biomarkers of Fibrosis Differentiates Between Heart Failure Patients With Preserved or Reduced Ejection Fraction  
Evangelos Oikonomou, Gerasimos Siasos, Vasiliki Tsigkou, Konstantinos Mourouzis, Efstathios Dimitropoulos, Savvas Mazaris, Evangelia Bletsas, Maria-Paraskevi Panoilia, Panagiota Stampouloglou, Angeliki Papastavrou, Eleni Kokkou, Sotirios Tsalamandris, Georgia Vogiatzi, Marina Zaromytidou, Manolis Vavuranakis, Dimitris Tousoulis, First Cardiology Unit, Hippokration University Hospital, Athens, Greece

563 - A Tale of 480 Genes Clinical Utility and Application of Cardiovascular Genetic Testing  
Julie Kaylor, Gerald Schaefer, Noelle Danylchuk, Rebecca Sutphen, Alexandra Obregon-Tito, Anna Strang, InformedDNA, St. Petersburg, FL, USA, University of Arkansas for Medical Sciences, Little Rock, AR, USA

564 - Novel Alpha-Actinin 2 Mutations Are Associated With Cardiomyopathy and Hypertrophy in Human Cardiac Tissue and iPSC-Derived Cardiomyocytes  
Malene Lindholm, Han Zhu, Yong Huang, Euan A. Ashley, Matthew Wheeler, Stanford University, Stanford, CA, USA

565 - Soluble TNFR1 as a New Novel Biomarker of Cardio-Renal Dysfunction  
Veena Rao, Matt Griffin, Devin Mahoney, James Fleming, Peri Shamlan, Parinita Raghavendra, Nicole Gomez, Megan Pattoli, Brendan Stewart, Griffin Struyk, Joslyn Barnett, Anvin Thomas, Luis Guerrero, Lesley Inker, Jeffrey M. Testani, Yale University, New Haven, CT, USA

### Interventional Cardiology - Poster Contributions

Session #1300

#### Interventional Cardiology: Complex Patients/Comorbidities 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

001 - Small-Vessel Percutaneous Coronary Intervention With Platinum Chromium Everolimus Eluting Stents: Insights From the Pooled Platinum Diversity and Promus Element Plus Post Approval Studies  
Paul Guedeney, Rishi Chandiramani, Bimmer Claessen, David Kandzari, Melissa Aquino, Scott Davis, Luis Tami, John Wang, Islam Othman, Osvaldo Gigliotti, Amir Haghishat, Sarabjeet Singh, Mario Lopez, Gregory Giugliano, Phillip Horwitz, Sabato Sorrentino, Paul Underwood, Dominic Allocco, Ian Meredith, Roxana Mehran, Wayne Batchelor, Icahn School of Medicine at Mount Sinai, New York, NY, USA

002 - Residual Inflammatory Risk in Patients With Chronic Kidney Disease Undergoing Percutaneous Coronary Intervention  
Moritz Blum, Paul Guedeney, Bimmer Claessen, Melissa Aquino, Deborah Kalkman, Sabato Sorrentino, Rishi Chandiramani, Sherif Elsayed, Ridhima Goel, Birgit Vogel, Nitin Barman, Joseph Sweeny, Jason Kovacic, Annapoorna Kini, George Dangas, Usman Baber, Samin Sharma, Roxana Mehran, Icahn School of Medicine at Mount Sinai, New York, NY, USA

005 - Impact of Gender and Race on Outcomes After Complex Percutaneous Coronary Intervention With the Platinum-Chromium Everolimus-Eluting Stent: A Pooled Analysis of the Platinum Diversity and Promus Element Plus Post-Approval Studies  
Sherif Elsayed, Wayne Batchelor, Bimmer Claessen, Paul Guedeney, David Kandzari, Melissa Aquino, Scott Davis, Luis Tami, John Wang, Islam Othman, Osvaldo Gigliotti, Amir Haghishat, Sarabjeet Singh, Mario Lopez, Gregory Giugliano, Phillip Horwitz, Dominic Allocco, Ian Meredith, Paul Underwood, Roxana Mehran, Icahn School of Medicine at Mount Sinai, New York, NY, USA

006 - Gender Differences in Baseline Characteristics Do Not Predict Early Outcomes After Percutaneous Coronary Intervention: Results From the Australian Genesis Cardiovascular Outcomes Registry (GCOR)  
Andre Conradi, Stephen G. Worthley, Enayet Chowdhury, Tony Rafter, Alan Whelan, David Eccleston, GenesisCare, Sydney, Australia, University of Melbourne, Melbourne, Australia

007 - Predictors of Recurrent In-Stent Restenosis After Paclitaxel-Coated Balloon Angioplasty in Patients With Renal Failure Receiving Hemodialysis  
Atsushi Sakata, Kazushige Kadota, Yasushi Fuku, Hiroyuki Tanaka, Seiji Habara, Hidewo Amano, Shunsuke Kubo, Masanobu Ohya, Takenobu Shimada, Akimune Kuwayama, Kohei Osakada, Makoto Takamatsu, Koya Okabe, Kurashiki Central Hospital, Kurashiki, Japan

008 - Incidence and Prevalence of Spontaneous Coronary Artery Dissection in British Columbia

Andrew Starovoytov, Mahraz Parvand, Karin Humphries, Ashkan Parsa, Jacqueline Saw, University of British Columbia, Vancouver, Canada

013 - Post-Acute Care Needs Are Associated With Increased One-Year Mortality Rates in PCI Patients

Kristine Falk, Samuel Savitz, Sally Stearns, Jason P. Fine, Lexie Grove, Joseph Rossi, University of North Carolina, Chapel Hill, NC, USA

014 - Combined Vascular Brachytherapy and Stenting For Treatment of In-Stent Restenosis

Yuefeng Chen, Kyle Buchanan, Nauman Khalid, Evan Shlofmitz, Micaela Iantorno, Deepakraj Gajana, Jiaxiang Gai, Rebecca Torgeson, Toby Rogers, Itsik Ben-Dor, Lowell Satler, Ron Waksman, MedStar Washington Hospital Center, Washington, DC, USA

### Interventional Cardiology - Poster Contributions

Session #1301

#### Interventional Cardiology: Coronary Intervention: Left Main, Multivessel, Bifurcation 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

003 - Relationship Between Length of Hospital Stay and 3-Year Outcomes After Left Main Revascularization: The EXCEL Trial

Jaya Chandrasekhar, Adrian Banning, David Taggart, Roxana Mehran, Zixuan Zhang, Ori Ben-Yehuda, Ovidiu Dressler, A. Kappetein, Patrick Serruys, Joseph Sabik, Gregg Stone, Cardiovascular Research Foundation, New York, NY, USA

004 - Modified Jailed Balloon Technique For Coronary Bifurcation Lesions

Hung Manh Pham, Quang Nguyen, Nhat Minh Pham, Huu Tuan Nguyen, Phuong Trong Do, Hanoi Medical University, Hanoi, Viet Nam, Vietnam National Heart Institute, Hanoi, Viet Nam

009 - Effectiveness of Paclitaxel-Coated Balloon Angioplasty For Drug-Eluting Stent Restenosis in the Left Main Coronary Artery

Makoto Takamatsu, Arata Sano, Kohei Osakada, Reo Hata, Akimune Kuwayama, Ryosuke Murai, Katsuya Miura, Masanobu Ohya, Takenobu Shimada, Hidewo Amano, Shunsuke Kubo, Masatomo Ozaki, Mituru Yoshino, Koshi Miyake, Yuichi Kawase, Noriyuki Ohashi, Hiroshi Tasaka, Seiji Habara, Hiroyuki Tanaka, Takeshi Maruo, Yasushi Fuku, Harumi Katoh, Tsuyoshi Goto, Kazushige Kadota, Kurashiki Central Hospital, Kurashiki, Japan

010 - Safety and Efficacy of Transradial Versus Transfemoral Access For Percutaneous Coronary Intervention of Unprotected Left Main Disease: A Meta-Analysis

Aravdeep Jhand, Muhammad Ahsan, Abhishek Thandra, Dinesh Reddy Apala, Toufik Mahfood Haddad, Venkata Alla, Creighton University School of Medicine, Omaha, NE, USA



011 - Impact of Clinical Presentation, Lesion Complexity, and Treatment Strategies on Mid-Term Outcomes After Percutaneous Interventions in Coronary Bifurcations: A Retrospective Analysis From the Euro Bifurcation Club Registry

Alaide Chieffo, Francesco Radico, Ricardo Costa, Marco Zimarino, Carlo Briguori, Ignacio Amat-Santos, Emanuele Barbato, Plinio Cirillo, Andrejs Erglis, Habib Gamra, Robert Gill, Vojko Kanic, Sasko Kedev, Nicola Maddestra, Sunao Nakamura, Mariano Pellicano, Ivo Petrov, Maja Strozzi, Tullio Tesorio, Vukcevic Vladan, Goran Stankovic, EuroBifurcation Club, Interventional Cardiology Unit, San Raffaele Scientific Institute, Milan, Italy

012 - Bifurcation Lesion Stenting and In-Hospital Mortality in Patients With Acute ST-Elevation Myocardial Infarction in Cardiogenic Shock

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

015 - Impact of Coronary Artery Calcification in Patients Undergoing Revascularization For Left Main Coronary Artery Disease: Insights From the EXCEL Trial

Sabato Sorrentino, Roxana Mehran, Gennaro Giustino, Mengdan Liu, David Kandzari, Marie C. Morice, Anthony Gershlick, Ovidiu Dressler, Joseph Sabik, A. Kappetein, Patrick Serruys, Gregg Stone, Cardiovascular Research Foundation, New York, NY, USA

### Interventional Cardiology - Poster Contributions

#### Session #1302

#### Interventional Cardiology: Aortic Valve Disease 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

016 - Machine Learning Using Similarity Analysis Improves Risk Stratification Beyond Surgical Risk Scores in Patients Undergoing Transcatheter Aortic Valve Replacement

Yasir Abdul Ghaffar, Faizan Shaukat, Anand Desai, Muhammad Khalil, Mohamad Alkhouri, Bryan Raybuck, Vinay Badhwar, Partho Sengupta, West Virginia University, Morgantown, WV, USA

017 - Predicting Permanent Pacemaker Need After Transcatheter Aortic Valve Replacement by Assessing Post-Deployment Atrial Pacing Response: A Multi-Center Study

Amar Krishnaswamy, Yasser Sammour, Amer Kadri, Antonette Karrthik, Kinjal Banerjee, Najdat Bazarbashi, Manpreet Kaur, Megan Lyden, Stephanie Mick, Lars Svensson, Grant Reed, Antonio Mangieri, Samir Kapadia, Azeem Latib, Cleveland Clinic Foundation, Cleveland, OH, USA, San Raffaele Hospital, Milan, Italy

018 - In Hospital Outcomes of Transcatheter Aortic Valve Replacement Compared With Surgical Valve Replacement in Patients With Cancer: A National Inpatient Sample Database Study

Ezequiel Munoz, Xavier Andrade, Juan Del Cid, Jose Sleiman, Andres Mendez, Miguel Salazar, Christian Torres, Alok Upadhyay, Vatsala Katiyar, Cezar Iliescu, Tochi Okwuosa, John H. Stroger, Jr. Hospital of Cook County, Chicago, IL, USA

019 - Efficacy and Safety of Transcarotid Transcatheter Aortic Valve Replacement in 495 Patients: A Systematic Review

Tamuno Inemi Bob-Manuel, Amit Nanda, Cynthia I. Anunobi, Jose Tafur Soto, James Jenkins, Uzoma Ibebuogu, University of Tennessee Health Science Center, Memphis, TN, USA, Ochsner Clinic Foundation, New Orleans, LA, USA

020 - Long Chain Acylcarnitines Predict Recovery of Left Ventricular Function After Transcatheter Aortic Valve Replacement For Severe Aortic Stenosis

Nilay Patel, Qiong Yang, Deborah Furman, Laurie Farrell, Morningstar Jordan, Xu Shi, Robert Gerszten, Brian Lindman, Sammy Elmariah, Massachusetts General Hospital, Boston, MA, USA

021 - Identification of Centers of Excellence For TAVR: An Assessment of the Current Paradigm Based on Procedure Volumes

Rohan Khera, Kevin Kennedy, Sandeep Das, Harun Kundi, Jordan Strom, Jeffrey Popma, Robert Yeh, University of Texas Southwestern Medical Center, Dallas, TX, USA, Beth Israel Deaconess Medical Center, Boston, MA, USA

022 - 1-Year Results of Transcatheter Aortic Valve Replacement in Extremely Large Annuli  $>683 \text{ mm}^2$  With Edwards Sapien 3 Valve: A Multicenter Experience

Syed Zaid, Norihiko Kamioka, Juan Terre, Masaki Miyasaka, Sameer Hirji, Mark Hensey, Nadim Geloo, George Petrossian, Newell Robinson, Eric Sarin, Sung-Han Yoon, Isaac George, Tsuyoshi Kaneko, Pinak Shah, Kapil Sharma, Molly Szerlip, Creighton Don, Hasan Ahmad, Annapoorna Kini, Michael Mack, John Webb, Vasilis Babalarios, Susheel Kodali, Raj Makkar, Gilbert Tang, Mount Sinai Medical Center, New York, NY, USA

023 - Novel Predictors of New Persistent Left Bundle Branch Block and Permanent Pacemaker Implantation After Evolut R TAVR

Syed Zaid, Miriam Brinkert, Hasan Ahmad, Ryan Kaple, Cenap Undemir, Martin Cohen, Steven Lansman, Asaad Khan, Jason Kovacic, George Dangas, Samin Sharma, Annapoorna Kini, Stefan Toggweiler, Gilbert Tang, Mount Sinai Medical Center, New York, NY, USA, Westchester Medical Center, Valhalla, NY, USA

024 - Presence of Heart Failure With Reduced Ejection Fraction Is Associated With Increased Mortality and Morbidity in Patients Undergoing Transcatheter Aortic Valve Replacement: An Insight From Most Recent National Inpatient Database (2016)

Vivek Modi, Dhrubajyoti Bandyopadhyay, Hassan Beydoun, Faris Haddadin, Alba Munoz Estrella, Ruchit Shah, Eyal Herzog, Mount Sinai St.Luke's-West Hospital, New York, NY, USA

025 - Biomechanics of the Reduced Leaflet Motion and Thrombosis After Transcatheter Aortic Valve Replacement

Jean Louis Sablayrolles, Sanjeet Singh Avtaar Singh, David Attias, Laura Mazzocchi, Simone Morganti, Christos G. Mihos, Ferdinand Auricchio, Francesco Nappi, Francesco Nappi, Sant Denis, France, Auricchio Ferdinando, Pavia, Italy

027 - Meta-Analysis of Randomized Controlled Trials Comparing Mechanically Expandable Versus Self Expandable Valves For Patients Undergoing Transcatheter Aortic Valve Implantation

Jai Parekh, Arun Kanmanthareddy, Abdulghani Saadi, Jitendra Pandya, Creighton University Medical Center, Omaha, NE, USA

028 - Transcatheter Aortic Valve Replacement Outcomes: Insight From the National Cardiovascular Data Registry

Raza Yunus, Talal Alzahrani, Joseph Forgione, James McCaffrey, Adebayo Christian Atanda, Joseph Krepp, Ramesh Mazhari, Christian Nagy, Jonathan Reiner, George Washington University Hospital, Washington, DC, USA

029 - Ten Years of Transcatheter Aortic Valve Replacement Under Local Anesthesia: Safety and Efficacy up to 5 Years Follow-Up

Ganesh Manoharan, Paul Brennan, Mark Spence, Colum Owens, Nicola Johnston, Ross McMullan, Reuben Jeganathan, Royal Victoria Hospital, Belfast, United Kingdom

030 - Prognostic Implications of Discharge Patterns After Transcatheter Aortic Valve Replacement

Satya Shreenivas, Scott Lilly, Susheel Kodali, Vinod Thourani, Michael Mack, David Cohen, Suzanne Arnold, Yiran Zhang, Maria Alu, Martin Leon, Dean Kereiakes, The Christ Hospital, Cincinnati, OH, USA, Cardiovascular Research Foundation, New York, NY, USA



### Interventional Cardiology - Poster Contributions

#### Session #1303

#### Interventional Cardiology: Vascular Access and Complications 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

031 - Hospital Transfusion Culture Independently Predicts Likelihood of Transfusion Following Inpatient Cardiovascular Procedures

Eirini Apostolidou, Dhaval Kolte, Kevin F. Kennedy, Charles E. Beale, Dawn J. Abbott, Afshin Ehsan, Hitinder Gurm, Jeffrey Carson, Shafiq Mamdani, Herbert D. Aronow, Alpert Medical School of Brown University, Providence, RI, USA

032 - Prognosis Based on Characteristics of Non-Treated Edge Dissections as Detected by Optical Coherence Tomography

Mariusz Tomania, Laurens J. C. Zandvoort, Maria N. Tovar Forero, Ken Masdjeni, Lisanne Visseren, Karen Witberg, Jurgen Ligthart, Miguel M. Lemmert, Roberto Diletti, Jeroen Wilschut, Peter de Jaegere, Felix Zijlstra, Nicolas Van Mieghem, Joost Daemen, Erasmus Medical Centre, ThoraxCentre, Rotterdam, The Netherlands

033 - Contrast Induced Nephropathy in Hemodynamically Stable Patients Undergoing Percutaneous Coronary Intervention: Does Left Ventricular End Diastolic Pressure Matter?

Justin Heizer, Muhammad Khan, Emilio Exaire, Zachary Gertz, Richard Cooke, Barbara Lawson, Luis Guzman, Virginia Commonwealth University, Richmond, VA, USA

034 - Do Obese Americans Have Larger Radial Arteries Than the Nonobese? Jianli Niu, Jonathan Roberts, Memorial Healthcare System, Hollywood, FL, USA

035 - Bleeding and Vascular Complications During Cardiac Catheterization Using Conventional Radial Access Versus "Safe" Femoral Access

Daniel J. Krause, Ghazwan Elias, Carmel Moazez, Vicki Zeitjian, Mehrdad Saririan, Creighton University Maricopa Medical Center, Phoenix, AZ, USA

036 - Extracorporeal Cardiopulmonary Resuscitation For In-Hospital Cardiac Arrest: Pros and Cons

Shiksha Joshi, Manpreet Sira, Maya Guglin, University of Kentucky, Lexington, KY, USA

037 - Comparison of Two Radial Hemostasis Techniques, Catechol Conjugated Chitosan-Based Pad (InnoSEAL) With Compression Band: A Randomized Controlled Trial

Saadia Sattar, Saba Ajaz, Zohaib Akhter, Chang Kim, Moon Sue Lee, Rehan Malik, Asad Pathan, Tabba Heart Institute, Karachi, Pakistan

038 - Post PCI Complication: Left Atrial Intramural Hematoma

Akhil Rasim Reddy, St. Mary's Hospital, Athens, GA, USA

### Interventional Cardiology - Poster Contributions

#### Session #1304

#### Interventional Cardiology: ACS/AMI/Hemodynamics and Pharmacology 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

039 - Characteristics and Outcomes of Patients With Cardiogenic Shock Complicated by Acute Kidney Injury Requiring Hemodialysis

Oluwole Adegbala, Chakradhari Inampudi, Emmanuel Akintoye, Razan Elsayed, Christina Jara, Karlene Williams, Dinesh Voruganti, Luis Afonso, Alexandros Brasoulis, Department of Internal Medicine, Englewood Hospital and Medical Center, Seton Hall University-Hacken, Englewood, NJ, USA, Section of Heart Failure and Transplant, University of Iowa Hospitals & Clinics, Iowa City, IA, USA

040 - The Effect of Platelet Mapping on Length of Stay and Clinical Outcomes in a Cohort of Patients Undergoing Coronary Artery Bypass Grafting

Kevin Fleming, Roberta Redfern, Nathan Bobulski, Gabriel Naimy, Michael Kuehne, Michael Moront, ProMedica Toledo Hospital, Toledo, OH, USA

042 - Long-Term Use of Oral Beta-Blocker in Patients With Acute Myocardial Infarction Who Underwent Primary Coronary Intervention: A Systematic Review and Meta-Analysis

Wasawat Vutthikraivit, Pattara Rattanawong, Saranapoom Klomjit, Pakpoom Tantrachoti, Narut Prasitlumkum, Prapaipan Putthapiban, Mohamed Elmassry, Pablo Paz, Mohammad Ansari, Scott Shurmur, Texas Tech University Health Sciences Center, Lubbock, TX, USA

043 - Coronary Microvascular Dysfunction Is Induced by Hemodynamic Instability: Quantitation by Controlled Flow Infusion

Robert Schwartz, Jon Hoem, Nikola Cesarovic, Oliver Bludau, Mareike Gastl, Esther Gerteis, Blathnaid Feldman, Jonathan Schwartz, Martin Rothman, Minneapolis Heart Institute and Foundation, Minneapolis, MN, USA, Division of Surgical Research, University Hospital Zurich, Zurich, Switzerland

044 - Routine Ultrasound-Guided Basilic Venous Access With 7F Catheters For Right Heart Catheterization

Olabisi Akanbi, Nitheesha Ganta, Hilda Mariana Gonzalez Bonilla, Urooj Fatima, Wande Benka-Coker, Isaac Opoku-Asare, Howard University Hospital, Washington, DC, USA

045 - 30-Day Readmissions Following Spontaneous Coronary Artery Dissection: Insights From the Nationwide Readmissions Database 2010-2014

Tara Shah, Ming Zhong, Dmitriy Feldman, Robert Minutello, Harsimran Singh, Geoffrey Bergman, Shing-Chiu Wong, Jim Cheung, Luke Kim, New York Presbyterian Hospital - Weill Cornell Medical Center, New York, NY, USA

046 - The Effect of Sex on Door-to-Balloon Time in Patients Presenting With STEMI and Referred For Primary PCI: A Systematic Review and Meta-Analysis

Shubham Sharma, Nawid Sayed, Joseph Abunassar, Wael Abuzeid, Queen's University, Kingston, Canada

047 - Survival to Discharge in ST Elevation MI Patients With Cardiogenic Shock Undergoing Percutaneous Left Ventricular Assist Device and PCI: Experience Does Matter

Tariq Ali Ahmad, Ryan Wilson, Jovan Plamenac, Sumeet Lall, Brent Dembo, James Kogut, Chad Zack, Penn State Milton Hershey Medical Center, Hershey, PA, USA

048 - Trend in Death Rate Overtime Following Percutaneous Coronary Intervention in Patients Stratified by Presentation

Ron Waksman, Deepakraju Gajana, Itsik Ben-Dor, Rebecca Torguson, Lowell Satler, Paul Kolm, Micaela Iantorno, Toby Rogers, Yuefeng Chen, Jaffar Khan, Evan Shlofmitz, Anees Musallam, Nauman Khalid, William Weintraub, MedStar Washington Hospital Center, Washington, DC, USA



049 - Clinical Outcomes at 2 Years of the Absorb Bioresorbable Vascular Scaffold Versus the Xience Drug-Eluting Metallic Stent in Patients Presenting With Acute Coronary Syndrome Versus Stable Coronary Disease: Aida Trial Sub-Study

Ruben Tijssen, Rene J. van der Schaaf, Robin Kraak, Laura S. M. Kerkmeijer, Sjoerd H. Hofma, Karin Arkenbout, Auke P. J. D. Weevers, Yoshinobu Onuma, Patrick Serruys, Marcel Beijk, Jan Baan, Maartje Vis, Karel T. Koch, Jan Piek, Jan Tijssen, José Henrique, Robbert de Winter, Joanna Wykrzykowska, Amsterdam University Medical Centers, Amsterdam, The Netherlands, Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands

050 - A Case Series of Adenosine Induced Reduction in Coronary Flow in the Infarct Related Artery of Patients Presenting With Stemi

Muhammad Aetesam-ur-Rahman, Joel Giblett, Nick West, Stephen Hoole, Royal Papworth Hospital, Cambridge, United Kingdom

### Interventional Cardiology - Poster Contributions

#### Session #1305

#### Interventional Cardiology: Coronary Intervention: Devices 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

051 - Initial Experience With a Mechanical Aspiration Catheter For Thrombus Removal During Percutaneous Intervention: A Multicenter Retrospective Case Series

Santhosh Jay Mathews, Christopher Brown, Brian Kolski, Vasco Marques, Andrew Huynh, Suhail Dohad, Manatee Memorial Hospital, Bradenton, FL, USA, Cedars-Sinai Medical Center, Los Angeles, CA, USA

052 - Long-Term Clinical Outcome of Sirolimus Coated Balloon Angioplasty in Patients With Coronary Atherosclerosis

Bernardo Cortese, Sameer Dani, San Carlo Clinic, Milan, Italy, Life Care Institute of Medical Sciences & Research & Apollo Hospitals International Limited, Ahmedabad, India

053 - Sirolimus Coated Balloon For the Management of Coronary In-Stent Restenosis: Long Term Clinical Results From NANOLUTE Study

Alexandre Abizaid, Sameer Dani, Dante Pazzanese Hospital of Cardiology, São Paulo, Brazil, Life Care Institute of Medical Sciences & Research & Apollo Hospitals International Limited, Ahmedabad, India

054 - Clinical Outcomes of Newer-Generation Versus Second-Generation Drug-Eluting Stent Implantation in Patients With Coronary Artery Disease: Retrospective Analysis of Real-World Data

Yuki Sato, Shota Okuno, Takayuki Ishihara, Osamu Iida, Mitsutoshi Asai, Masaharu Masuda, Shin Okamoto, Kiyonori Nanto, Takashi Kanda, Takuya Tsujimura, Yasuhiro Matsuda, Hiroyuki Kawai, Aki Tsuji, Yosuke Hata, Hiroyuki Uematsu, Naoko Higashino, Taku Toyoshima, Toshiaki Mano, Kansai Rosai Hospital, Amagasaki, Japan

055 - Long-Term Australian Bioresorbable Scaffold Outcomes Following Withdrawal From Market: A Report From the Victorian Cardiac Outcomes Registry

Luke Dawson, Diem Dinh, Stephanie Montalto, Angela Brennan, Harriet Carruthers, Janine Doyle, Ron Dick, Robert Gooley, Jack Gutman, Stephen Duffy, Jeffrey Lefkovits, Department of Cardiology, Royal Melbourne Hospital, Melbourne, Australia, Department of Epidemiology and Preventative Medicine, Monash University, Melbourne, Australia

056 - Clinical Outcomes of Patients With Coronary Bypass Venous Graft Intervention: A Comparison Between Filter and Non-Filter Cohorts

Krunalkumar Patel, Amitkumar Patel, Akash Doshi, Anmol Singh, Perwaiz Meraj, Northwell Health, Manhasset, NY, USA

057 - Predictors of In-Hospital Mortality in Patients With Acute ST Elevation Myocardial Infarction and Cardiogenic Shock Requiring Percutaneous Left Ventricular Assist Device Placement

James Kogut, Brent Dembo, Jovan Plamenac, Sumeet Lall, Ryan Wilson, Tariq Ali Ahmad, Chad Zack, Penn State Milton S. Hershey Medical Center, Hershey, PA, USA

058 - National Age Related Outcomes in Patients With ST Elevation Myocardial Infarction and Cardiogenic Shock That Underwent Percutaneous Left Ventricular Assist Device Placement

Sumeet Lall, Ryan Wilson, Tariq Ali Ahmad, Brent Dembo, James Kogut, Jovan Plamenac, Chad Zack, Penn State University Hershey Medical Center, Hershey, PA, USA

059 - Nationwide In-Hospital Mortality and Complications in Patients With Cardiogenic Shock and ST Elevation Myocardial Infarction That Underwent Percutaneous Left Ventricular Support Device Placement

Brent Dembo, James Kogut, Sumeet Lall, Tariq Ahmad, Ryan Wilson, Chad Zack, Penn State Hershey Medical Center, Hershey, PA, USA

060 - Trends in Left Ventricular Assist Device Use in Patients With Cardiogenic Shock in the Setting of ST Elevation Myocardial Infarction

Brent Dembo, James Kogut, Ryan Wilson, Sumeet Lall, Tariq Ahmad, Chad Zack, Penn State Hershey Medical Center, Hershey, PA, USA

061 - Long-Term Follow-Up After Treatment of Drug-Eluting Stent Restenosis and De Novo Lesions Using SeQuent Please Paclitaxel-Coated Balloons

Dai Zhang, Yan Sun, Xiaoli Liu, Yujie Zhou, Beijing Anzhen Hospital, Beijing, People's Republic of China

062 - Long Term Outcomes of the Absorb Bioresorbable Vascular Scaffold Versus Second Generation Drug Eluting Stent: A Meta-Analysis

Sunny Goel, Ravi Teja, Elina Zakin, Srilekha Chava, Abhishek Sharma, Bilal Malik, Sergey Ayzenberg, Robert Frankel, Jacob Shani, Umesh Gidwani, Maimonides Medical Center, Brooklyn, NY, USA, Icahn School of Medicine at Mount Sinai, New York, NY, USA

### Interventional Cardiology - Poster Contributions

#### Session #1306

#### Interventional Cardiology: IVUS and Intravascular Physiology 4

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

063 - Inter-Observer Differences in Interpretation of Pressure-Wire Pullback Traces

Takayuki Warisawa, James P. Howard, Christopher Cook, Yousif Ahmad, Shunichi Doi, Masafumi Nakayama, Sonoka Goto, Yohei Yakuta, Kenichi Karube, Fumiyasu Seike, Teruyoshi Uetani, Tadashi Murai, Yuetsu Kikuta, Yasutsugu Shiono, Yoshiaki Kawase, Toshiki Kaihara, Takumi Higuma, Yuki Ishibashi, Hisao Matsuda, Hidetaka Nishina, Hitoshi Matsuo, Javier Escaned, Darrel Francis, Yoshihiro Akashi, Justin Davies, Imperial College London Hammersmith Hospital, London, United Kingdom, St. Marianna University School of Medicine, Kawasaki, Japan

064 - Oral Calcium Supplements Associate With Serial Coronary Calcification: Insights From Intravascular Ultrasound

Najdat Bazarbashi, Rishi Puri, Stephen Nicholls, Julie St. John, Mohamed Gad, Manpreet Kaur, Antonette Karrthik, Yasser Sammour, Keerat Rai Ahuja, E. Murat Tuzcu, Steven Nissen, Samir Kapadia, Cleveland Clinic Foundation, Cleveland, OH, USA



065 - Prevalence of Neoatherosclerosis in Very Late Follow-Up of Second-Generation Drug-Eluting Stents

Zhaoyang Chen, Mitsuaki Matsumura, Gary Mintz, Masahiko Noguchi, Mingyou Zhang, Lei Song, Dong Yin, Ziad Ali, Craig Porter, Elizabeth Haag, Jane Cao, Allen Jeremias, Richard Shlofmitz, Akiko Maehara, Cardiovascular Research Foundation, New York, NY, USA

066 - Distinct Clinical and Physiological Subtypes of Coronary Microvascular Dysfunction

Haseeb Rahman, Faisal Khan, Matthew Ryan, Howard Ellis, Brian Clapp, Andrew Webb, Divaka Perera, King's College London, London, United Kingdom

067 - Detection of Lipid in Coronary Arteries Using Photothermal Optical Coherence Tomography

Nitesh Katta, Andrew Cabe, Taylor Hoyt, Austin B. McElroy, Marc Feldman, Thomas Milner, The University of Texas at Austin, Austin, TX, USA, University of Texas Health and Science Center at San Antonio, San Antonio, TX, USA

068 - Coronary Microvascular Endothelial Dysfunction Is Associated With Advanced Coronary Plaque Characteristics in Patients With Early Coronary Atherosclerosis

Shigeo Godo, Michel Corban, Takumi Toya, Rajiv Gulati, Lilach Lerman, Amir Lerman, Department of Cardiovascular Medicine, Mayo Clinic, Rochester, MN, USA

069 - Endothelium-Dependent Coronary Microvascular Dysfunction Is Associated With Advanced Coronary Plaque Characteristics in Patients With Nonobstructive Coronary Atherosclerosis

Shigeo Godo, Michel Corban, Takumi Toya, Rajiv Gulati, Lilach Lerman, Amir Lerman, Department of Cardiovascular Medicine, Mayo Clinic, Rochester, MN, USA

070 - Predicting the Location and Morphology of Chronic Total Occlusion Proximal Cap Using Intravascular Ultrasound Imaging From a Side Branch  
Yongzhen Fan, Gary Mintz, Masahiko Noguchi, Mingyou Zhang, Myong Hwa Yamamoto, Mitsuaki Matsumura, Dimitrios Karmpaliotis, He Huang, Akiko Maehara, Cardiovascular Research Foundation, New York, NY, USA, Xiangtan Central Hospital, Xiangtan, People's Republic of China

071 - Difference Between Coronary Angioscopy and Optical Coherence Tomography in the Assessment of Neointimal Findings at Follow Up After Stent Implantation

Nakamura Taichi, Department of Cardiology, Tokyo Medical and Dental University, Tokyo, Japan

072 - Clinical Utility of Combined Optical Coherence Tomography and Near-Infrared Spectroscopy for Assessing the Mechanism of Very Late Stent Thrombosis

Yasushi Ino, Takashi Kubo, Kosei Terada, Kunihiro Shimamura, Amir Khalifa Mahfouz, Yoshiaki Matsuo, Hironori Kitabata, Yasutsugu Shiono, Masahiro Takahata, Yosuke Katayama, Hiroki Emori, Atsushi Tanaka, Takeshi Hozumi, Takashi Akasaka, Wakayama Medical University, Wakayama, Japan

073 - Impact of Clinical Presentation on the Detection of Vulnerable Plaque by Near Infrared Spectroscopy: A Lipid Rich Plaque (LRP) Study Sub-Analysis

Evan Shlofmitz, Paige Craig, Hector Garcia Garcia, Varinder Singh, Ziad Ali, William Skinner, Andre Artis, Tim Ten Cate, Rui Wang, Sean Madden, Priti Shah, Quan Zou, James Muller, Carlo Di Mario, Rebecca Torguson, Ron Waksman, MedStar Washington Hospital Center, Washington, DC, USA

074 - Periarterial Neovascularization and Attenuated-Signal Plaque Predict Long-Term Mortality After Heart Transplantation: Risk Stratification With IVUS-Determined Coronary Inflammatory Findings

Kuninobu Kashiyama, Kozo Okada, Hideki Kitahara, Ryo Kameda, M. Brooke Hollak, Helen Luikart, Paul Yock, Alan Yeung, Peter Fitzgerald, Kiran Khush, William Fearon, Yasuhiro Honda, Stanford University, Stanford, CA, USA, Stanford Cardiovascular Institute, Stanford, CA, USA

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

Session #1324

#### Non Invasive Imaging: CT/Multimodality, Angiography, and Non-CT Angiography 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

313 - Endothelial Shear Stress Derived From Serial Noninvasive Coronary CTA: Effect of Wall Elasticity in a Feasibility Study

Parastou Eslami, Alison Marsden, Justin Tran, Janet Lo, Romina Sotoodeh, Ahmet Coskun, Peter Stone, Udo Hoffmann, Michael Lu, Massachusetts General Hospital, Boston, MA, USA

314 - Deep Learning Based Automatic Segmentation of Cardiac Computed Tomography

Gurpreet Singh, Subhi Alaref, Gabriel Maliakal, Mohit Pandey, Alexander van Rosendaal, Benjamin Lee, Jing Wang, Zhouran Xu, James Min, Weill Cornell Medicine, New York, NY, USA

315 - Focal Left Ventricular Intramyocardial Fat on Ct in Stable Chest Pain: Insights From PROMISE (Prospective Multicenter Imaging Study For Evaluation of Chest Pain)

Julia Karady, Thomas Mayrhofer, Borek Foldyna, Maros Ferencik, Michael Lu, Yasuka Kikuchi, Alexander Ivanov, Stefan B. Puchner, Hamed Emami, Nandini Meyersohn, Daniel Bittner, Pal Maurovich-Horvat, Pamela Douglas, Udo Hoffmann, Cardiac MR PET CT Program, Massachusetts General Hospital – Harvard Medical School, Boston, MA, USA

316 - Aged Garlic Extract Reduces Low Attenuation Plaque in Coronary Arteries of Patients With Diabetes in a Prospective Randomized Double-Blind Study

Kashif Shaikh, Lavanya Cherukuri, Divya Birudaraju, Rine Nakanishi, Shone Almeida, Eranthi Jayawardena, Chandana Shekar, Ferdinand Flores, Sajad Hamal, Salman Sheikh, Amit Johanis, Benedict Cu, Matthew Budoff, Los Angeles Biomedical Institute, Torrance, CA, USA

317 - Cardiac Computed Tomography Angiography at Sea

Richard Alfred Stoebner, Travis Harrell, Ronald J. Willy, Amber N. Dechambeau, Daniel B. Hawley, Naval Medical Center San Diego, San Diego, CA, USA

318 - Gender Differences in Plaque Characteristics by Coronary Computerized Tomographic Angiography

Michael Ashbrook, A. Neil Bilolikar, Yeriko Vargas, Robert Podolsky, Beaumont Health, Royal Oak, MI, USA

319 - Aortic Valve Calcium Score: A Strong Predictor of Severity of Aortic Stenosis in Patients With Low Flow, Low Gradient Reduced Ejection Fraction Population

Siddharth Reddy, Rohan Trivedi, Jeff Mueller, Tim Mickus, Moneal Shah, Allegheny General Hospital, Pittsburgh, PA, USA



320 - Tissue Tracking CT Myocardial Strain in Patients With Abnormal Coronary Calcium Score

Erasmo De La Pena-Almaguer, José Gildardo Paredes-Vázquez, Luis Gerardo Tellez, Mariana Vanoye-Tamez, Marcelo García-Pablos, Vicente Jimenez Franco, Tec Salud Tecnologico de Monterrey, Monterrey, Mexico

321 - Role of Multimodality Imaging Prior to Balloon Sizing For Planned Percutaneous Pulmonary Valve Implantation

Sruti Rao, Patcharapong Suntharos, Wei Liu, Paul Schoenhagen, Sarah Worley, Rukmini Komarlu, Cleveland Clinic Children's Hospital, Cleveland Clinic Foundation, Cleveland, OH, USA

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

Session #1325

#### Non Invasive Imaging: Nuclear 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

322 - Positron Emission Tomography Improves Noninvasive Identification of Patients With Angiographically Confirmed Left Main Disease

Ashwath Kumar, Firas Al Badarin, John A. Spertus, Arthur McGhie, Mohamed Omer, Laith Derbas, Ahmed Elkaryoni, Bader Madoukh, Krishna Patel, Brett Sperry, Ibrahim Saeed, Timothy Bateman, Saint Lukes Hospital, Kansas City, MO, USA, University of Missouri Kansas City, Kansas City, MO, USA

323 - Phase Analysis Using Low Dose <sup>99m</sup>Tc Gated-SPECT Detects Significant Late Gadolinium Enhancement in Patients With Non-Ischemic Dilated Cardiomyopathy

Sakura Nagumo, Yasuyuki Suzuki, Naoya Matsumoto, Yasuo Okumura, Showa University Fujigaoka Hospital, Yokohama, Japan

324 - Myocardial Blood Flow and Tracer Washout Rate in <sup>13</sup>N-Ammonia Positron Emission Tomography Imaging Predict Viability in Ischemic Cardiomyopathy

Dominik C. Benz, Paola Ferro, Nico A. Safa, Moritz Schwyzer, Dimitri Patriki, Elia von Felten, Christel H. Kamani, Andreas Giannopoulos, Christoph Gräni, Catherine Gebhard, Aju Paul Pazhenkottil, Philipp A. Kaufmann, Ronny Buechel, Department of Nuclear Medicine, Cardiac Imaging, University Hospital Zurich, Zurich, Switzerland

325 - Predictors of Change in PET Myocardial Flow Reserve Following Heart Transplantation

Jessica R. Golbus, Andre Zapico, Richard Weinberg, Venkatesh Murthy, Matthew Konerman, University of Michigan, Ann Arbor, MI, USA

326 - Usefulness of Combined Analysis of Absolute and Relative Parameters Using <sup>13</sup>N-Ammonia Positron Emission Tomography For Detection of Significant Coronary Artery Disease

Tatsuya Shigematsu, Hideki Okayama, Naoto Kawaguchi, Shinsuke Kido, Yosei Iseki, Kenshou Matsuda, Tetsuya Aono, Yuta Tanaka, Saki Hosokawa, Tetsuya Kosaki, Go Kawamura, Yoshitaka Kawada, Go Hiasa, Tadakatsu Yamada, Hiroshi Matsuoka, Yukio Kazatani, Ehime Prefectural Central Hospital, Matsuyama, Ehime, Japan

327 - Type 2 Myocardial Infarction Risk Stratification Via Myocardial Perfusion Imaging

Ramey Marshall, Chad Colon, Christopher Roth, Ayman Farag, Ami Iskandrian, Fadi Hage, University of Alabama at Birmingham, Birmingham, AL, USA

328 - The Impact of Nuclear Imaging in Patients With 'Possible' Infective Endocarditis in Routine Clinical Practice

Amit Kaura, Margaret Gunning, Amanda Fife, Ranjit Deshpande, Max Baghai, Nicola Mulholland, Gillian Vivian, Philip MacCarthy, Olaf Wendler, Mark Monaghan, Jonathan Byrne, Rafal Dworakowski, King's College Hospital NHS Foundation Trust, London, United Kingdom

329 - Initial Results From a Newly Established Solid State SPECT Myocardial Flow Quantification Program

Ricardo Nieves, Joseph Dietz, Prem Soman, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

330 - Reproducibility and Optimization of 18-Fluoro-Deoxyglucose Positron Emission Tomography For Evaluation of Cardiac Sarcoidosis

Raza M. Alvi, Bryan D. Young, Zartashia Shahab, Hongyi Pan, Julia Winkler, Erica Herzog, Edward J. Miller, Yale-New Haven Hospital of Yale University School of Medicine, New Haven, CT, USA

331 - Motion Compensation Improves Test-Retest Reproducibility of Coronary 18F-Sodium Fluoride Positron Emission Tomography

Martin Lyngby Lassen, Jacek Kwiecinski, Sebastien Cadet, Damini Dey, Guido Germano, Philip Adamson, Alastair Moss, Marc Dweck, David Newby, Daniel Berman, Piotr Slomka, Cedars Sinai Medical Center, Los Angeles, CA, USA, BHF Centre for Cardiovascular Science, Edinburgh, United Kingdom

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

Session #1326

#### Non Invasive Imaging: Sports and Exercise 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

332 - The Association of Obstructive Sleep Apnea With Left Ventricular Hypertrophy and Aortic Root Dilation in a Population of Former Professional Football Players

Genevieve Smith, Kaitlin C. Simpson, Mark Cassidy, Gregory W. Stewart, Tulane University School of Medicine, New Orleans, LA, USA

333 - The Hemodynamic Impact of Left Atrial Dynamics During Exercise on Clinical Outcome in Heart Failure With Preserved, Mid-Range, and Reduced Ejection Fraction

Tadafumi Sugimoto, Francesco Bandera, Greta Generati, Eleonora Alfonzetti, Valentina Labate, Marco Guazzi, IRCCS Policlinico San Donato Milanese, Milan, Italy

334 - Morpho-Functional Echocardiographic Parameters and Cardiorespiratory Fitness in Patients With Mitral Valve Prolapse and Significant Mitral Regurgitation

James L. Gentry, Nishant Shah, Mohamed Khayata, Kyle Mandsager, Sneha Vakamudi, Milind Desai, Brian Griffin, Dermot Phelan, Cleveland Clinic, Cleveland, OH, USA

335 - Predictive Value of a Multilevel Classification System For Ventilatory Efficiency in Patients With Preserved Left Ventricular Ejection Fraction

Jingyi Gong, Renata R. T. Castro, Jesse P. Caron, Jon Hainer, Alexander Opotowsky, Bradley Maron, Marcelo Di Carli, John Groarke, Brigham and Women's Hospital, Boston, MA, USA

336 - Baseline Characteristics and Stress Test Findings as Predictors of Cardiovascular and Cancer Mortality

Yazan Assaf, Sonia Fortin-Gamero, Maria Irene Barillas-Lara, Nasir Hussain, Amanda Bonikowske, Thomas Allison, Mayo Clinic, Rochester, MN, USA



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

#### Session #1327

##### Non Invasive Imaging: MR 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

337 - Investigating the Relation of Hypertensive Disease With Vascular Brain Injury and Cognitive Impairment Using Heart-Brain Magnetic Resonance in Patients With Cardiovascular Risk Factors: The Heart-Brain Connection Study  
Raquel Amier, Nick Marcks, Astrid Hooghiemstra, Robin Nijveldt, Mark van Buchem, Albert De Roos, Geert Jan Biessels, L. Jaap Kappelle, Robert van Oostenbrugge, Michiel Bots, Wiro Niessen, Matthias van Osch, Wiesje van der Flier, Hans-Peter Brunner-La Rocca, Albert van Rossum, Amsterdam UMC, VU University Amsterdam, Amsterdam, The Netherlands

339 - Non-Contrast Cardiac Magnetic Resonance Based Detection of Myocardial Damage Using Myocardial Strain Analysis

Jennifer Erley, Natalie Tapaskar, Nazia Alvi, Nina Rashedi, Davide Genovese, Stephanie A. Besser, Sebastian Kelle, Keigo Kawaji, Neha Goyal, Roberto Lang, Victor Mor-Avi, Amit Patel, University of Chicago, Chicago, IL, USA, German Heart Center Berlin, Berlin, Germany

340 - Quantification of Aortic Regurgitation Severity and Resultant Impact on Left Ventricular Remodeling: A Comparative Study of Echocardiography and Cardiac Magnetic Resonance Imaging

Albree Tower-Rader, Yash Kumar, Nancy Obuchowski, Eoin Donnellan, Louis Williams, Zoran Popovic, Michael Bolen, Dermot Phelan, Scott Flamm, Brian Griffin, Leslie Cho, Lars Svensson, Gosta Pettersson, Deborah Kwon, Cleveland Clinic, Cleveland, OH, USA

341 - Gender Differences in Left Ventricular Remodeling in Patients With Aortic Regurgitation: Is There a Need For Gender Specific Thresholds For Surgical Intervention?

Albree Tower-Rader, Yash Kumar, Nancy Obuchowski, Eoin Donnellan, Louis Williams, Zoran Popovic, Michael Bolen, Dermot Phelan, Scott Flamm, Brian Griffin, Leslie Cho, Lars Svensson, Gosta Pettersson, Deborah Kwon, Cleveland Clinic, Cleveland, OH, USA

342 - Electrocardiogram Abnormalities and the Presence of Myocardial Scar in Patients With Duchenne Muscular Dystrophy

Courtney Thomas, Kan Hor, Nationwide Children's Hospital, Columbus, OH, USA

343 - Quantitative Assessment of Energy Efficiency by 4d-Flow MRI in the Extracardiac Fontan Circulation

Taichi Nakamura, Kiyohiro Takigiku, Satoshi Yasukochi, Kohta Takei, Toru Okamura, Kanazawa University Hospital, Kanazawa, Japan, Nagano Children's Hospital, Azumino City, Japan

344 - Validation and Quantification of Myocardial Fibrosis With Cardiac Magnetic Resonance and Left Ventricular Myocardial Biopsy

Muzna Hussain, Eoin Donnellan, Carmela Tan, E. Rene Rodriguez, Chris Watson, Christine Moravec, Wai Hong Tang, Edward Soltesz, Gosta Pettersson, Brian Griffin, Patrick Collier, Deborah Kwon, Sydell and Arnold Miller Family Heart and Vascular Institute, Cleveland Clinic, Cleveland, OH, USA, Queens University, Belfast, United Kingdom

345 - Prognostic Impact of Right Ventricular Dysfunction in Patients With Advanced Ischemic Cardiomyopathy: Sex-Related Differences

Ramya Vajapey, Natalie Ho, Julijana Conic, Nancy Obuchowski, Nathaniel Lee, Sophia Downey, Leslie Cho, Brian Griffin, Scott Flamm, Wilson Tang, Deborah Kwon, Cleveland Clinic Foundation, Cleveland, OH, USA

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

#### Session #1328

##### Non Invasive Imaging: Echo 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

346 - Predictive Value of Left Ventricular Diastolic Chamber Stiffness in Patients With Severe Aortic Stenosis Undergoing Aortic Valve Replacement  
Vidhu Anand, Rosalyn Adigun, Christopher Kane, Patricia Pellikka, Vuysile Nkomo, Sorin Pislaru, Kevin Greason, Jeremy Thaden, Cristina Pislaru, Mayo Clinic, Rochester, MN, USA

347 - Relationship Between Global Longitudinal Strain and Left Ventricular Diastolic Function

Brian Yu, Isabelle Lin, Betty Cornish, Katherine Lin, Linus Park, Gerardo Perla, Steve Lin, University of Chicago, Chicago, IL, USA, Cardiovascular Ultrasound Laboratory, Saint Joseph Hospital, Lexington, KY, USA

348 - Changes in Left Ventricular Diastolic Function With Contemporary Breast Cancer Therapy

Jenica Upshaw, Brian Finkelman, Rebecca Hubbard, Amanda Smith, Hari Narayan, Linzi Arndt, Susan Domchek, Angela DeMichele, Kevin Fox, Payal Shah, Amy Clark, Angela Bradbury, Jennifer Matro, Srinath Adusumalli, Joseph Carver, Bonnie Ky, University of Pennsylvania, Philadelphia, PA, USA, Tufts Medical Center, Boston, MA, USA

349 - Correlation Between Echocardiographic Diastolic Assessment and Catheter-Measured Left Ventricular End Diastolic Pressure in Patients With Takotsubo Cardiomyopathy

Josh Epstein, Carlos Oviedo, Riyad Y. Kherallah, Luis Afonso, Wayne State University, Detroit, MI, USA

350 - Myocardial Work: A Novel Index of Left Ventricular Systolic Function in South Asian Half-Marathon Runners Correlated With Echocardiographic and Clinical Variables

Renuka Jain, Shantanu Sengupta, Susan Olet, Nitin Burkule, Bijoy Khandheria, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA, University of Wisconsin School of Medicine and Public Health, Milwaukee, WI, USA

351 - Gender Differences in Morphology, Dysfunction, Aortopathy, and Surgical Outcomes of Bicuspid Aortic Valve

Yijia Li, Weiguo Ma, Yue Qi, Junming Zhu, Lihong Sun, Ya Yang, Beijing Anzhen Hospital, Capital Medical University, Beijing, People's Republic of China

352 - A Novel Method For Estimating Pulmonary Vascular Resistance by Echocardiography Independent of Tricuspid Regurgitation

Ythan Goldberg, Rony Wiener, Sandhya Murthy, Montefiore Medical Center-Albert Einstein College of Medicine, Bronx, NY, USA

353 - Left Ventricular Stroke Volume Assessment by Automated Three Dimensional Color Flow Doppler Echocardiography: A Reliable Alternative to Two Dimensional Pulse Doppler Echocardiography

Abhinav Sharma, Deborah Kwon, Scott Flamm, Richard Grimm, Cleveland Clinic Heart and Vascular Institute, Department of Cardiovascular Medicine, Cleveland, OH, USA



354 - Reliability of Echocardiographic Assessment of Mean Pulmonary Artery Pressure Compared to Right Heart Catheterization: A Single Center Experience

Jonathan Michael Wong, Sima Manavi, Shudhanshu Alishetti, David Luke, Bruce Brent, Richard Shaw, Andrew Rosenblatt, California Pacific Medical Center, San Francisco, CA, USA

355 - Value of Aortic Plaque in Predicting Left Atrial Appendage Thrombus in Low Risk Patients Undergoing Electrophysiological Procedures

Samah Alkharji, Michelle Samuel, Mohamed Al Rawahi, George Thanassoulis, Martin L. Bernier, Thao Huynh, Vidal Essebag, Jacqueline Joza, McGill University Health Center, Montreal, Canada

356 - Hypotensive Response During Dobutamine Stress Echocardiography in Patients Undergoing Orthotopic Liver Transplantation Is Predictive of Long-Term Mortality

Kajal Shah, Ahmad Alkhalil, Joe Dzierzawiec, Neil Nadpara, Richard Hajjar, Shervin Golbari, Shashank Jain, Christine Gerula, Julius Gardin, Marc Klapholz, Rutgers New Jersey Medical School, Newark, NJ, USA

357 - Early and Delayed Cardiac Complications Following Hematopoietic Stem Cell Transplantation and the Utility of Baseline Echocardiography in Risk Stratification

Majd El-Harasis, Mehrdad Hefazi, Mrinal Patnaik, Joerg Herrmann, Mayo Clinic, Rochester, MN, USA

358 - A Swine Model For the Premature Infant Patent Ductus Arteriosus

Ranjit Philip, Shyam Sathanandam, Neil Tailor, Leah Apalodimas, Stepanie Whiting, Randall Buddington, University of Tennessee, Memphis, TN, USA, LeBonheur Children's Hospital, Memphis, TN, USA

### Prevention - Poster Contributions

Session #1331

Prevention: Clinical 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

411 - A Real-World Assessment of Risk For Severe Stroke and Post-Stroke Mortality in Non-Valvular Atrial Fibrillation Patients Treated With Rivaroxaban and Warfarin

Mark Alberts, Yen-Wen Chen, Jennifer Lin, Zhijie Ding, Deepthi Bisht, Emily Kogan, Kathryn Twyman, Dejan Milentijevic, Janssen Scientific Affairs, Raritan, NJ, USA

412 - Efficacy and Safety of Peri-Operative Bridging Anticoagulation in Patients With Atrial Fibrillation Undergoing Elective Surgical Procedure: A Systematic Review and Meta-Analysis

Muhammad U. Siddiqui, Ahmed Pasha, Marshfield Clinic Health System, Eau Claire, WI, USA, Mayo Clinic Health System, Mankato, MN, USA

413 - BET Protein Inhibition and Cognition: A Pre-Specified Substudy of the BETOnMACE Phase 3 Trial Evaluating Apabetalone in Patients With Diabetes and Acute Coronary Syndrome

Kausik K. Ray, Stephen Nicholls, Michael Sweeney, Jan Johansson, Norman Wong, Ewelina Kulikowski, Kenneth Leboda, Peter Toth, Henry Ginsberg, Kamyar Kalantar-Zadeh, Mathias L. Haarhaus, Bengt Winblad, Jeffrey L. Cummings, Gregory Schwartz, Resverlogix Corp., Calgary, Canada, Imperial College London, London, United Kingdom

414 - Triglycerides as a Risk Factor For Coronary Heart Disease: What Measure and What Cutoff?

Ann Marie Navar, Neha Pagidipati, Hillary Mulder, Tsion Aberra, Sephy Philip, Craig Granowitz, Eric Peterson, Duke Clinical Research Institute, Durham, NC, USA

415 - Liraglutide and Semaglutide Attenuate Inflammatory Cytokines Interferon-Gamma, Tumor Necrosis Factor-Alpha, and Interleukin-6: Possible Mechanism of Decreasing Cardiovascular Risk in Diabetes Mellitus

Stanley Andrew Tan, Linda Tan, Oakcrest Health Research Institute, Orlando, FL, USA

416 - Rates of Clinical Reporting and Actions Taken Based on Coronary Calcium on Cancer Computed Tomography Scans in Patients at Risk For Cardiovascular Disease After Potentially Cardiotoxic Cancer Treatment

Matthew C. Hooks, Prabhjot Nijjar, Ko-Hsuan Chen, Michelle Wang, Milkeesso Foge, Ryan Cullen, Tejaswini Maganti, Anne Blaes, Chetan Shenoy, University of Minnesota, Cardiovascular Division, Minneapolis, MN, USA

417 - Role of Innate and Adaptive Immunity on Atherosclerosis in Subjects With Familial Hypercholesterolemia

Maria Cristina Izar, Waleria Fonzar, Francisco Fonseca, Henrique Fonseca, Tuany P. Silva, Alfredo Eyer, Daniela Teixeira, Maria E. R. Coste, Carolina França, Ieda Longo-Maugéri, Antonio Carvalho, Joao B. Pesquero, Universidade Federal de São Paulo, São Paulo, Brazil

418 - Stroke Risk Versus Fall Risk: A Growing Conundrum in the Anticoagulation of Geriatric Patients With Atrial Fibrillation

Andrew B. Sorah, Kyle Cunningham, J. T. Morgan, Michael Rinaldi, A. Britt Christmas, Ronald Sing, Carolinas Medical Center, Charlotte, NC, USA

419 - Increasing Trends of Cardiovascular Diseases in Patients Living With Chronic Malignancies: A 16 Years Trend Analysis of Rates of Coronary Artery Disease and Arrhythmias in Patients With Chronic Myeloid Leukemia

Odunayo Olorunfemi, Manasi Godbole, Saad Jamshed, Ayman Elbadawi, Ha Le Dung, Gbolahan Ogunbayo, Rebecca Ojo, Olatunde Ola, Atanda Adebayo, Oladimeji Akinboro, Carlos Alfonso, Jeffery Goldberger, University of Miami, Miami, FL, USA, Rochester General Hospital, Rochester, NY, USA

420 - Vascular Endothelial Function and Arterial Stiffness in HIV-Infected Patients With and Without Abacavir Regimen

Roumen Jordanov, Claudia Martinez, Meela Parker, Alex Gonzalez, Dalhila Solorzano, Bonni Lang, Alejandro Chedebau, Valeria Porras, Rajiv Parmar, Orlando Gomez-Marin, Neil Schneiderman, Ivonne Schulman, Michael Kolber, Barry Hurwitz, University of Miami Hospital, Miami, FL, USA

421 - Structured Exercise Programs For Treatment of Metabolic Syndrome: A Systematic Review

Monica Konerman, Megan Shetty, Patrick Walden, Melvyn Rubenfire, University of Michigan, Ann Arbor, MI, USA

422 - Galectin 3: 'Upstream' Biomarker of Myocardial Dysfunction With Ageing

Angela Su-Mei Koh, Bryan Keng, Fei Gao, See Hooi Ewe, Ru San Tan, Louis Teo, Bei Qi Xie, Woon-Puay Koh, National Heart Centre Singapore, Singapore, Singapore

423 - Frailty, Diastolic Dysfunction, and Latent Heart Failure in the Community-Living Elderly in Hong Kong: Cross-Sectional Findings From the UFO Study

Erik Yee Mun George Fung, Xiaobo Yang, Leong Ting Lui, Qi Li, King Fai Cheng, Daljit Sahota, Yiting Fan, Jenny S. W. Lee, Alex P. W. Lee, Elsie Hui, Jean Woo, The Chinese University of Hong Kong, Hong Kong, Hong Kong, New Territories East Cluster Hospitals, Hospital Authority, Hong Kong, Hong Kong



424 - Predictors of All-Cause Mortality in the AIM-HIGH Trial Identified by Machine Learning  
Laboni H. Hoque, Amit Dey, Yuan Gu, Victoria Xin, Ruba Shalhoub, Runqiu Wang, Colin Wu, Tian Xin, Eileen Navarro Almario, Tejas Patel, Jerome Fleg, Anna Kettermann, Gyorgy Csako, George Sopko, Helena Sviglin, Gauri Dandi, Nuha Gani, Iffat Chowdhury, Keith Burkhardt, Ana Szarfman, Sean Coady, Nehal Mehta, Frank Pucino, Yves Rosenberg, Ahmed Hasan, Meta-Analytical Interagency Group (MATIG), Bethesda, MD, USA

425 - Association Between Frequency of PCP Visits and Evidence-Based Statin Prescribing and Statin Adherence: Findings From the Veterans Affairs National Database  
Sarah Ahmed, Hasan Rehman, Julia Akeroyd, Khurram Nasir, Mahboob Alam, Dhruv Mahtta, Salim Virani, Baylor College of Medicine, Houston, TX, USA, Houston Methodist Hospital, Houston, TX, USA

426 - The Association Between Measurements of Body Composition and Long-Term Cardiovascular Events in Patients Without Coronary Artery Disease  
Jose Medina-Inojosa, Hannah Perez, Andrea De Leon Tejada, John Batsis, Farzane Saeidifar, Manlio Vinviguerra, Andrea Maugeri, Jennifer Zundel, Lynne Johnson, Francisco Lopez-Jimenez, Mayo Clinic, Rochester, MN, USA, International Clinical Research Center, Brno, Czech Republic

427 - Representation of Cardiovascular Disease Patients in Pivotal Clinical Trials Supporting Modern Cancer Therapies  
Daniel Addison, Janice Bonsu, Lawrence Charles, Avirup Guha, Farrukh Awan, Hani Jneid, Jennifer Woyach, Ohio State University, Columbus, OH, USA

428 - A Breath Towards a Healthier Heart: Using Respiratory Physiology to Understand and Prevent Cardiovascular Disease  
Suurya Krishnan, Raquel Farias, Jean Bourbeau, McGill University, Montreal, Canada

429 - Reporting of Cardiovascular Events in Clinical Trials Supporting FDA-Approval of Contemporary Cancer Drugs  
Daniel Addison, Janice Bonsu, Lawrence Charles, Avirup Guha, Brandee Baker, Jennifer Woyach, Farrukh Awan, Kerry Rogers, Maryam Lustberg, Raquel Reinbolt, Jonathan Brammer, Eric Miller, Hani Jneid, Electra Paskett, Ohio State University, Columbus, OH, USA

430 - Can Breastfeeding Prevent Diabetes Mellitus in Women: A Dose Response Meta-Analysis  
Haitham M. Ahmed, Rabel Misbah, Simrat Kaur, Taha Ahmed, Sarah Misbah, Muhammad Khan, Haris Riaz, Cleveland Clinic, Cleveland, OH, USA

431 - Is the Incidence Rate of ASCVD Events in the Placebo Arm of Randomized Trials Associated With the Treatment Effect of Aspirin For Primary Prevention? A Meta-Regression Analysis  
Matthew Nudy, Jennifer Cooper, Mehrdad Ghahramani, John Mandrola, Andrew Foy, PennState Health, Hershey Medical Center, Hershey, PA, USA

432 - Exposure to Heavy Metals May Increase Cardiovascular Risk by Elevation of Serum Lipid levels and Hemoglobin a1c: A National Health and Nutrition Examination Survey Based Study  
Olaajide Buhari, Adebayo Christian Atanda, Talal Alzharani, Robert Faillace, Jacobi Medical Center/Albert Einstein College of Medicine, New York, NY, USA

433 - Acute Cardiovascular Effects of Energy Drinks in Healthy Subjects: A Meta-Analysis of Randomized Trials  
Alexandre M. Benjo, Valentina Jaramillo, Fadi Atassi, Francisco Nascimento, Jonas Benjo, Dhruv Mahtta, Carlos Alviar, New York University, New York, NY, USA

434 - Utility of Patient Risk Questionnaire to Identify Candidates For Coronary Calcium Screening  
Stephen M. Fenton, Millie Arora, Nathan Wong, Heidi Gransar, Alan Rozanski, Daniel Berman, Bligh Street Cardiology, Sydney, Australia, Cedars-Sinai Medical Center, Los Angeles, CA, USA

435 - Association Between Depression and the Prevalence of Atrial Fibrillation  
Nino Isakade, Ayman Tahhan, Pratik Sandesara, Salim Hayek, Ayman Alkhader, Mohamad Gafeer, Belal Kaseer, Kaavya Chivukula, Shuai Zheng, Alvaro Alonso, Viola Vaccarino, Arshed Quyyumi, Amit Shah, Emory University Hospital, Atlanta, GA, USA

### Prevention - Poster Contributions

#### Session #1332

#### Prevention: Hypertension 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

436 - Transferrin Receptor 1 Heterozygous Deleted Mice Did Not Affect Blood Pressure in the Development of Diabetic Mellitus  
Seiki Yasumura, Yoshiro Naito, Keisuke Okuno, Yuki Matsumoto, Masanori Asakura, Masaharu Ishihara, Cardiovascular Division, Department of Internal Medicine, Hyogo College of Medicine, Nishinomiya, Japan

437 - Isolated Systolic Hypertension Is More Prevalent in Persons With Diabetes  
Masood Younus, Wenjun Fan, Nathan Wong, Stanley Franklin, University of California, Irvine Division of Cardiology, Orange, CA, USA

438 - The Control Rate For Patients With Essential Hypertension in Chinese Adults: A Real Word Study Based on the Electronic Health Records of 544,892 Community Residents

Ying Wang, Zhiliang Wang, Xin Liu, Chunxiao Xing, Zemin Kuang, Xiangyu Guo, Lijun Wang, Institute for Network Sciences and Cyberspace, Tsinghua University, Beijing, People's Republic of China, Research Institute of Information Technology, Tsinghua University, Beijing, People's Republic of China

439 - Mid-Day Sleep Effects as Potent as Recommended Lifestyle Changes in Patients With Arterial Hypertension  
Leonidas Pouliomenos, Manolis Kallistratos, Pavlos Tsivinov, Nikolaos Kouremenos, Nestoras Kontogiannis, Andreas Pittaras, Andreas Triantafyllis, Aggeliki Koukouzeli, Konstantinos Kyridis, Athanasios Manolis, "Asklepeion" General Hospital, Voula, Greece

440 - Hypertension in Mild to Moderate Chronic Kidney Disease and the Relationship Between Depression, and Post-Traumatic Stress Disorder of a Predominantly Middle-Aged Population

Rupa L. Iyengar, Cynara Maceda, Ramita Gowda, Mary Ann McLaughlin, Icahn School of Medicine at Mount Sinai, New York, NY, USA

441 - National Trends and Outcomes of Essential Hypertension on Emergency Departments in USA

Anandbir Bath, Furqan B. Irfan, Sourabh Aggarwal, Jagadeesh Kalavakunta, Vishal Gupta, Western Michigan University School of Medicine, Kalamazoo, MI, USA



442 - Predictors of All-Cause Mortality in the SPRINT Trial Identified by Machine Learning  
Nuha Gani, Amit Dey, Victoria Xin, Runqiu Wang, Ruba Shalhoub, Colin Wu, Tian Xin, Eileen Navarro Almario, Tejas Patel, Jerome Fleg, Anna Kettermann, Gyorgy Csako, George Sopko, Helena Svilgin, Lawton Cooper, Laboni Hoque, Gauri Dandi, Iffat Chowdhury, Keith Burkhardt, Karim Calis, Ana Szarfman, Nehal Mehta, Frank Pucino, Yves Rosenberg, Ahmed Hasan, Meta-Analytical Interagency Group (MATIG), Bethesda, MD, USA

443 - Isolated Diastolic Hypertension in the United States: Analysis From the National Health and Nutrition Examination Survey  
Gaurav Aggarwal, Mary Abed, Saurabh Aggarwal, Venkata Alla, Jersey City Medical Center, Jersey City, NJ, USA, Creighton University School of Medicine, Omaha, NE, USA

444 - Adoption of Continuous Beat-to-Beat Nocturnal Blood Pressure Measurement in Ambulatory Blood Pressure Monitoring  
Sebastian Estrada, Younghoon Kwon, Martin Baruch, Elizabeth Harrison, Ronald Williams, Yeilim Cho, David Gerdt, Heather Bonner, Sula Mazimba, Richard Berry, University of Virginia, Charlottesville, VA, USA

### Prevention - Poster Contributions

#### Session #1333

#### Prevention: Rehabilitation 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

445 - Single-Center Outcomes of Cardiac Rehabilitation Referral Post-Myocardial Infarction  
Rebecca Lolley, Jonathan Ludmir, Stanley Liu, University of Maryland Medical Center, Baltimore, MD, USA

447 - Efficacy of a Technology-Enabled, Home-Based Cardiac Rehabilitation Program  
Clare McDermott, Ciara McCormack, Jomme Claes, Luari McDermott, Orlagh O'Shea, Roselien Buys, Noel O'Connor, Noel McCaffrey, Davide Susta, Alison Sheerin, Anne Gallagher, Ivan Casserly, Helen Newton, Brendan McAdam, Catherine Woods, Veronique Cornelissen, Kieran Moran, Niall Moyna, Dublin City University, Dublin, Ireland, KU Leuven, Leuven, Belgium

448 - Systemic Oxidative Stress Is Associated With Lower Aerobic Capacity and Impaired Skeletal Muscle Energy Metabolism in Patients With Heart Failure  
Takashi Yokota, Shintaro Kinugawa, Hiroyuki Tsutsui, Hokkaido University, Sapporo, Japan

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

#### Session #1341

#### Pulmonary Hypertension and Venous Thrombo-Embolic Disease 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

480 - Development of a Prediction Model For Recurrence Risk After Incident Venous Thromboembolism: A Danish Nationwide Cohort Study  
Ida Ehlers Albertsen, Mette Søgaard, Samuel Goldhaber, Gregory Piazza, Thure Filskov Overvad, Lars Hvilsted Rasmussen, Torben Bjerregaard Larsen, Peter Brønnum Nielsen, Department of Cardiology, Aalborg University Hospital, Aalborg, Denmark, Division of Cardiovascular Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

481 - Demographic and Classification Differences Between First-Line Pulmonary Arterial Hypertension Patients (PAH) on Upfront Combination Therapy in the US and EU3 (Italy, United Kingdom, and Germany)  
Nicole Allie, Denay Rogers, Arina Rosli, Sarah Brown, Ipsos Healthcare, London, United Kingdom

482 - Apixaban Discontinuation Prior to Major Surgery: Results From a Prospective Single Center Study  
Edwin Lam, Luis Eraso, Taki Galanis, Walter Kraft, Geoffrey Ouma, Lynda Thomson, Eugene Viscusi, Douglas Stickle, Jerald Gong, Suzanne Adams, Geno Merli, Thomas Jefferson University Hospital, Philadelphia, PA, USA

483 - Venous Thromboembolism in Therapeutic Hypothermia After Cardiac Arrest  
Toishi Sharma, Jordan Kunkes, Ibrahim Waleed, David O'Sullivan, Antonio Fernandez, Hartford Hospital, Hartford, CT, USA

491 - Paradoxical Protective Effect of Obesity on the Risk of Venous Thromboembolism: Observations From APEX Trial  
Arzu Kalayci Karabay, C. Michael Gibson, Gerald Chi, Fahad Alkhalfan, Anmol Pitliya, Sargun Singh Walia, Tarek Nafee, Mahshid Mir, Syed Hassan Abbas Kazmi, Iqra Qamar, Adrian Hernandez, Russell Hull, Alexander (Ander) Cohen, Robert Harrington, Samuel Goldhaber, Beth Israel Deaconess Medical Center, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

492 - Ultrasound-Facilitated Thrombolysis and Rheolytic Thrombectomy in Patients With Pulmonary Embolism at High Risk or Intermediate-High Risk: A Single-Center Experience  
Ozgur Akbal, Cihangir Kaymaz, Aykun Hakgor, Seda Tanyeri, Ali Karagoz, Berhan Keskin, Hacer Ceren Tokgoz, Seyhmus Kulahcioglu, Emrah Erdogan, Sevim Turkday, Halil Tanboga, Cem Dogan, Zubeyde Bayram, Rezzan Deniz Acar, Nihal Ozdemir, University of Health Sciences, Kosuyolu Heart Education and Research Hospital, Istanbul, Turkey, Hisar Intercontinental Hospital, Istanbul, Turkey

494 - Pulmonary Diastolic Decay Time Is a Novel Index Associated With Severe Hemodynamic Impairments in Patients With Pulmonary Hypertension  
Sula Mazimba, Priscilla Baafi, Sthuthi David, Manu Mysore, Douglas Sawch, Corey Benjamin, Nishaki Mehta, Javed Butler, Jose Tallaj, Jamie Kennedy, Andrew Mihalek, John Hossack, Khadijah Breathett, Kimberly Chadwell, Kenneth Bilchick, University of Virginia, Charlottesville, VA, USA

### Special - Poster Contributions

#### Session #1307

#### ACC International Conferences Best Posters

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

To view full abstracts of the ACC International Conferences Best Posters, please search for session 1108 in the ACC.19 App or Online Program Planner.

### Special - Poster Contributions

#### Session #1308

#### FIT Clinical Decision Making: Pulmonary Hypertension and Venous Thrombo-Embolic Disease 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

085 - The Idiopathic Pulmonary Artery Hypertension With Severe Tricuspid Regurgitation

Sang Hyun Lee, Yong Hyun Park, Soon Myung Jung, Soo Young Lee, Jun Wan Kim, Su Ji Kim, Geon Woo Lee, Eun Jeong Son, Jong Suk Oh, A. Reum Kim, Ga Yun Kim, Cheol Min Lee, Bon Jin Koo, Pusan National University Yangsan Hospital, Yangsan, South Korea



086 - Simultaneous Use of Mechanical Circulatory Support and Catheter-Directed Thrombolysis For Massive Pulmonary Embolism

Saba Assar, Haydar Ali, Joseph Chattahi, Beaumont Health, Dearborn, MI, USA, Florida State University College of Medicine - Tallahassee Memorial Health Care (TMH), Tallahassee, FL, USA

087 - Systemic Embolization of Metaplastic Breast Cancer Through Pulmonary Vein

Megan Gruber, Aniruddha Singh, Samuel Hardcastle, Rishi Agarwal, Juli McCay, Farooq Cheema, Medical Center Bowling Green, Bowling Green, KY, USA, KY, USA

088 - Things Are Not Always What They Seem: Saddle Pulmonary Embolism Masquerading as an Acute Inferior Myocardial Infarction

Ayhan Yoruk, Adam Russack, Michael Riordan, Frederick Ling, Krishna M. Rao, University of Rochester Medical Center, Rochester, NY, USA

089 - Here's a Clot, There's a Clot, Everywhere a Clot, Clot: Giant Left Atrial Thrombus With Acute Pulmonary Embolism and Lower Extremity Venous Thrombus - Late Onset Antiphospholipid Syndrome (APS)

Deepti Upparapalli, Jesus Vargas, Hafsa Tariq, Haitham Dib, Atlanticare Regional Medical Center, Atlantic City, NJ, USA

090 - Atrial Myxoma Mimicking Mitral Valve Stenosis Leading to Pulmonary Hypertension

Muhammad Shabbir Rawala, Syed Rizvi, Rapides Regional Medical Center, Alexandria, LA, USA

091 - Impending Paradoxical Embolism Treated With Thrombolytic Therapy

Christopher Perry, Phillip Brandon Maharrey, Ellen Keeley, University of Florida, Gainesville, FL, USA

092 - Vacuum-Assisted Thrombectomy of a Right Atrial Fat Embolism After Hip Surgery

Astha Tejpal, Varun Shah, Chad Kliger, Mina Bushra, Priti Mehla, Lenox Hill Hospital, New York, NY, USA

093 - Slow and Steady Wins the Race: Management of Pericardial Tamponade in the Setting of Pulmonary Hypertension

Hassan Alkhawam, Preetham Reddy Muskula, Mohamed Effat, Shahid Rahman, Jean Elwing, Tarek Helmy, St. Louis University Hospital, St. Louis, MO, USA, University of Cincinnati, Cincinnati, OH, USA

094 - Right Ventricular Thrombus in Transit: Raising the Stakes in the Management of Pulmonary Embolism

Everett Lai, Shudhanshu Alishetti, Jonathan Wong, Lejla Delic, Andrew Rosenblatt, Glenn Egrie, California Pacific Medical Center, San Francisco, CA, USA

### Special - Poster Contributions

Session #1309

Cardiovascular Team Cases 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

095 - Establishing Protocol and Simulation-Based Learning to Initiate Ecp in Our Institution

Kana Ueda, Takafumi Yamane, Yuka Aguru, Miyuki Shibata, Kobe City Medical Center General Hospital, Kobe, Japan

096 - Idiopathic High Degree Atrioventricular Block Management in Cardiac Critical Care

Leah Chasm-Velasco, Lauren Hamm, Julia Moore, Monica Cluff, Hartford Hospital, Hartford, CT, USA

### Special - Poster Contributions

Session #1310

FIT Clinical Decision Making: Acute and Stable Ischemic Heart Disease 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

097 - A Woman With Ischemia and Non-Obstructive Coronary Artery Disease With Coronary Microvascular Dysfunction With Abnormal SPECT Findings: Fact or Artifact

Nissi Sharon Suppogu, Haider Aldiwani, Odayme Quesada, Janet Wei, Chrisandra Shufelt, Bruce Samuels, C. Noel Bairey Merz, Cedars Sinai, Los Angeles, CA, USA

098 - Symptomatic Myocardial Bridging and Coronary Vasomotor Dysfunction

Nissi Sharon Suppogu, Roshni Jain, Haider Aldiwani, Janet Wei, Chrisandra Shufelt, Timothy Henry, C. Noel Bairey Merz, Cedars Sinai, Los Angeles, CA, USA

099 - Bridging Over Perfusion

Dexter Jacob, Sung-Hae Cho, Drexel University College of Medicine Hahnemann University Hospital, Philadelphia, PA, USA

100 - Delayed Stent Deformity Secondary to Unrecognized Ballon Angioplasty Behind the Stent Struts

Pallavi Satuluri, Kasaiah Makam, Snehittha Vijaykumar, Najam Wasty, Khalil Kaid, UNLV School of Medicine, Las Vegas, NV, USA, Newark Beth Israel Medical Center, Newark, NJ, USA

101 - Traumatic Proximal Left Anterior Descending Artery Dissection: Use of Near Infrared Spectroscopy Intravascular Ultrasound in the Differential Diagnosis

Christina Dookhan, Carlos Alfonso, Alan Schob, Medical College of Georgia, Augusta, GA, USA, University of Miami Miller School of Medicine, Miami, FL, USA

102 - Microvascular Coronary Dysfunction Is a Harbinger For Atherosclerosis: A Case of Accelerated Atherosclerosis in a Patient With Undiagnosed Idiopathic Aortitis and Microvascular Dysfunction

Nchang Taka, Megan Toole, Myrna Alexander Nickens, The University of Mississippi Medical Center, Jackson, MS, USA

103 - A Highly Unusual Case of Hypereosinophilic Syndrome presenting With Both Non-ST Elevation Myocardial Infarction and Acute Ischemic Stroke

Tushar Tarun, Brian Bostick, University of Missouri-Columbia, Columbia, MO, USA

104 - The Many Faces of Coronary Vasospasm

Bharath Raju, Sharon Choi, Andy Lee, Anas Hamadeha, Baylor Scott and White Health, Dallas, TX, USA

105 - Persistent Angina With Ischemia and No Obstructive Coronary Artery Disease

Ahmed AlBadri, Janet Wei, R. David Anderson, John Petersen, Carl J. Pepine, C. Noel Bairey Merz, Emory University School of Medicine, Atlanta, GA, USA, Smidt Heart Institute, Los Angeles, CA, USA

106 - Hypocalcaemia Induced ST Elevation and LV Dysfunction

Adil Pervaiz, Moustafa Elsheshtawy, H. Sudhakar Prabhu, Krishna Anurag Pulumati, Coney Island Hospital, Brooklyn, NY, USA

107 - Fulminant Rheumatoid Heart Disease

Jessica Meyer, Clay Barbin, S. Shiva Patlolla, Joseph Guileyardo, William Roberts, Georges Feghali, Baylor University Medical Center, Dallas, TX, USA



108 - NSTEMI in the Setting of Microangiopathic Hemolytic Anemia: A Rare Complication of a Rare Disease Process

Sardar Ijaz, Mohamad Khattab, Isma Javed, Jesintha Stephenson, Hunter Rhodes, Lyndsey Jones, Karen Beckman, Oklahoma University Health Sciences Center, Oklahoma City, OK, USA

109 - Acute Mitral Regurgitation: When There Is More to Ischemia Than Meets the Eye

Swathi Kovelamudi, Rimsha Hasan, B. Pai, Naga Venkata Pothineni, University of Arkansas for Medical Sciences, Little Rock, AR, USA

110 - Something Should Not Be There

Thinnakrit Sasiprapha, Teerapat Yingchoncharoen, Krissada Meemook, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

111 - Myocardial Infarction Associated With Clenbuterol Abuse in a 22-Year-Old College Athlete

Linda Njoroge, George Augustine Koromia, Bankim Patel, Marshall University, Huntington, WV, USA

112 - Giant Arteries: An Unexpected Finding in a Young Man With Acute Coronary Syndrome

Shudhanshu Alishetti, Peter Hui, California Pacific Medical Center, San Francisco, CA, USA

113 - A Case Report: Near-Infrared Spectroscopy Ultrasonography Can Detect the Plaque Stabilization of Non-Culprit Lesion in ACS Patients by the Combination Therapy of PCSK9 Inhibitor and Statin

Noriyuki Wakana, Hideo Tsubata, Kan Zen, Kyoto Prefectural University of Medicine, Kyoto, Japan

114 - Challenging Case of a Rare Coronary Anomaly Presenting With STEMI  
Sharan Rufus Ponniah, Rene Cuadra, Pradeep Manoharan, Rizwan Sardar, Aultman Hospital/NEOMED, Canton, OH, USA

115 - Just Another Patient With Chest Pain.. Think Again!

Pooja Swamy, Aditya Bharadwaj, Purvi Parwani, Joshua Coney, Neeraj Bansal, Ramesh Bansal, Loma Linda University Health, Loma Linda, CA, USA

116 - Severe Compression of the Left Circumflex Coronary Artery by a Large Sinus of Valsalva Aneurysm

Marinos Charalambous, Nicholas Chan, David Fuschetto, Orlando Fuschetto, John Makaryus, North Shore University Hospital - Northwell Health, Manhasset, NY, USA

117 - To Intervene or Not to Intervene? Acute Left Main Thrombus in a Patient With Left Ventricular Assist Device and Non ST Elevation Myocardial Infarction

Taha Ahmed, Haris Riaz, Joseph Martin, Jerry D. Estep, Cleveland Clinic Foundation, Cleveland, OH, USA

118 - Acute Coronary Syndrome in a Teenager: Importance of Recognizing Early Onset Coronary Artery Disease

Umair Tariq, David Stern, James Gabriels, North Shore University Hospital, Manhasset, NY, USA

119 - Myocardial Infarction: Causes Beyond Atherosclerosis

Maya Abdallah, Jaime Hernandez-Montfort, UMMS-Baystate, Springfield, MA, USA, The University of Texas Medical Branch - Galveston, Galveston, TX, USA

120 - Sinuses of Valsalva Aneurysm Presenting as an Acute Coronary Syndrome: What Are the Odds

Abdalla Hassan, Sakeina Howard-Wilson, June Mbae, Bryan Dolan, Nikolaos Kakouras, Gerard Aurigemma, Brigid Carlson, UMass Medical School, Worcester, MA, USA

### Special - Poster Contributions

#### Session #1311

#### FIT Clinical Decision Making: Congenital Heart Disease 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

121 - Persistent ALCAPA Physiology After ALCAPA Repair

Tina Shah, Louai Razzouk, Muhamed Saric, Adam Skolnick, Didier Loulmet, Dan Halpern, NYU Medical Center, New York, NY, USA

122 - A Rare Case of Extensive Coronary Artery Fistulae

Muhammad Asif Mangi, Adam Martin, Daniel Kosinski, University of Toledo, Toledo, OH, USA

123 - Examination Trumps Echo: Pursuit of Etiology of Murmur Leads to the Discovery of a Large Coronary Fistula

Chelsey Schenavar, Amina Adil, Steven Port, Eric Weiss, Anthony DeFranco, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

124 - Pacemaker Implantation in Patient With Persistent Left Superior Vena Cava (SVC) With Absent Right SVC

James Kimber, Syed Rafay Ali Sabzwari, Kailyn Mann, Hiwot Ayele, Babak Bozorgnia, Raman Dusaj, Lehigh Valley Health Network, Allentown, PA, USA

125 - A Missing Chest Piece: A Rare Etiology of Musculoskeletal Chest Pain

Jason Wen, Kristen Brown, Jonathan Hanson, Gurpreet Johal, Joe Calkins, Stuart Cavalieri, Medical College of Georgia - Augusta University, Augusta, GA, USA, Charlie Norwood VA Medical Center, Augusta, GA, USA

126 - Rapid Progression to Complete Heart Block in a Fetus With Endocardial Fibroelastosis

Jennifer Cohen, Miwa Geiger, Shubhika Srivastava, Mount Sinai Medical Center, New York, NY, USA

127 - Symptomatic Double Right Coronary Artery With Inferior Wall Ischemia  
Mehran Abolbashari, Subrata Kar, Texas Tech University, El Paso, TX, USA

128 - When Double Trouble Leads to Heart Ache: Wolf-Parkinson White Syndrome and Anomalous Origin of the Left Coronary Artery From the Pulmonary Artery

Neha Gupta, Yazan Sawalha, Allen Taylor, Washington Hospital Center, Washington, DC, USA

129 - Undiagnosed Ventricular Septal Defect Presenting as *Gemella Morbillorum* Infective Endocarditis

Marc Lee, Saurabh Rajpal, May Ling Mah, Ohio State University Wexner Medical Center, Columbus, OH, USA, Nationwide Children's Hospital, Columbus, OH, USA

130 - Atypical Cause For Typical Chest Pain: A Rare Case of Angina Secondary to Anomalous Coronaries

Momen Banifadel, Ebrahim Sabbagh, Mohammed Awad, Julie Kovach, Anil Mathew, University of Toledo, Toledo, OH, USA

131 - An Unusual Case of Hypertrophic Cardiomyopathy Phenotype

Amina Adil, Renuka Jain, Rahul Sawlani, Patrycja Galazka, Adil Wani, Faraz Nasim Kazmi, Sameh A. Syed, A. Jamil Tajik, Aurora Saint Luke's Medical Center, Milwaukee, WI, USA



132 - His Bundle Pacing Using Retrograde Mapping For a Patient With L-Transposition of Great Arteries

Indrajeet Mahata, Scott Macicek, Daniel Morin, Ochsner Clinic, New Orleans, LA, USA

133 - Percutaneous Patent Ductus Arteriosus Closure in a Patient With Adult Congenital Heart Disease With Complex Physiology

Pragya Ranjan, Carly Fabrizio, Neil J. Wimmer, Sourin Banerji, Christiana Care Health System, Newark, DE, USA

134 - Management of an Older Adult With Anomalous Left Coronary Artery From the Pulmonary Artery

Akash Kataruka, Robin Fernandes, Edward Verrier, Eric Krieger, Jonathan Buber, University of Washington, Seattle, WA, USA

### Special - Poster Contributions

#### Session #1312

#### FIT Clinical Decision Making: Non Invasive Imaging 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

135 - Enigma of Recurrent Pulmonary Embolism: Artifact or Mass, Thrombus or Myxoma

Landai Nguyen, Sarina Sachdev, Hassan Tahir, Sajjad Ahmad, Farnoosh Rahimi, Christopher Malozzi, Bassam Omar, University of South Alabama, Mobile, AL, USA

136 - A Rare Case of Complex Ventricular Septal Aneurysm in Association With Bicuspid Aortic Insufficiency in an Adult Patient

Arman Kalamkarian, Balaji Natarajan, Amish Patel, Suneel Kumar, Mir Wasif Ali, Ramdas Pai, University of California, Riverside, Riverside, CA, USA

137 - Diagnostic Evaluation of a Right Atrial Mass With Multimodality Imaging and Endomyocardial Biopsy: A Clinical Conundrum

Neha Maheshwari Mantri, Andrew Ambrosy, Gordon Leung, Kaiser Permanente, San Francisco, CA, USA

138 - Making a Mole Hill Out of a Mountain: A Case of TEE Probe Malfunction Underestimating Mitral Regurgitation

Rene Cuadra, Sharan Rufus Ponniah, Prabhakaran Gopalakrishnan, Aultman Hospital, Canton, OH, USA

139 - Ibrutinib-Induced Acute Eosinophilic Myocarditis Mimicking Infiltrative Cardiomyopathy

Nicolas Isaza, Michael Bolen, Brian Griffin, Zoran Popovic, Department of Cardiovascular Medicine, Cleveland Clinic, Cleveland, OH, USA

140 - Rare Neuroendocrine Tumor of the Heart

Roosha Parikh, Mary Schwartz, Lauri Campagna, Javier Lafuente, Dipan Shah, Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

141 - Chagas Cardiomyopathy Identified on Cardiac Magnetic Resonance Imaging

Jared Liebelt, Charu Gupta, Amit Pursnani, Evanston Hospital - NorthShore University Health System, Evanston, IL, USA

142 - The Role of Cardiac MRI in the Work Up Severe Non Ischemic Cardiomyopathy

Ankita Patel, Isaac Soliman, Nadeem Wain, Bijal Mehta, Ankitkumar Patel, Hackensack Meridian Mountainside Medical Center, Montclair, NJ, USA

143 - PET/MRI: A Novel Imaging Modality to Guide Tailored Immunotherapy in Eosinophilic Myocarditis

Aditya Parikh, Maria Giovanna Trivieri, Anuradha (Anu) Lala, Sumeet Mitter, Tim Hinohara, Philip Robson, Zahi Fayad, Maya H. Barghash, Icahn School of Medicine at Mount Sinai, New York, NY, USA

144 - What Are You Doing Here? A Dilemma in Left Ventricular Myxoma Management

Zorana Mrsic, Clayton Brittingham, Geoffrey Cole, Walter Reed National Military Medical Center, Bethesda, MD, USA

145 - Just Another Case of Endocarditis

Jennifer Kinaga, Orlando Health, Orlando, FL, USA

146 - Sliding Hiatal Hernia Masquerading as a Left Atrial Myxoma:

Advantages of Multi-Modality Imaging

Alexander Blood, Yee-Ping Sun, David Faxon, Brigham and Women's Hospital, Boston, MA, USA

147 - Constrictive Pericarditis Misdiagnosed as Alcoholic Cirrhosis

Elyssa Cohen, Monique Bethel, Jayanth Keshavamurthy, Gyanendra Sharma, Augusta University, Augusta, GA, USA

148 - A Case of Acute Fulminant Heart Failure Abated by the Heart Team

Pedro Covas, Joseph Forgione, Raza Yunus, Rachel Gordezyk, Gurusher Panjrat, Allen Solomon, Andrew Choi, The George Washington University, Washington, DC, USA

149 - Multiple Cerebrovascular Events Due to Embolization From a Severely Calcified Bicuspid Aortic Valve: The "Smoking Gun"

Cesia Maria Gallegos Kattan, John Elefteriades, Bernardo Lombo, Yale University School of Medicine, New Haven, CT, USA

150 - Double-Chambered Right Ventricle (DCRV): Diagnosing a Rare Case With Appropriate Testing

Mahboob Ali, David Harris, Robert O'Donnell, University of Cincinnati, Cincinnati, OH, USA

151 - "Missed-Edema" Coma: A Case of Cardiac Tamponade Masked by Myxedema Coma

Ishan Kamat, Farzad Soleimani, Raymond Stainback, Baylor College of Medicine, Houston, TX, USA

152 - Microvascular Obstruction in a Patient Presenting With Lupus Myocarditis and No Evidence of Antiphospholipid Syndrome

Angel Martin, Michael Gannon, Shahryar Saba, Northshore University Hospital, Manhasset, NY, USA

154 - The Day the Heart Wandered Off

Shaden Khalaf, Brittany Owen, Arunima Misra, Baylor College of Medicine, Houston, TX, USA

155 - Silent Threat: Successful Surgical Treatment of Giant Aortic Aneurysm in a Patient With Marfan's Syndrome

America Gwendolyne Urbina Vazquez, Nilda Espinola-Zavaleta, Andrés Herrera, Humberto Martínez-Hernández, Susana Ortega Silva, Grecia Iveth Maryelis Raymundo Martínez, Alexandra Arias-Mendoza, Instituto Nacional de Cardiología Ignacio Chávez, Mexico City, Mexico

156 - Atrial Wall Pseudoaneurysm in a Patient With Mitral Valve Endocarditis

Sujal Modi, Sudarshan Balla, West Virginia University, Morgantown, WV, USA



### Special - Poster Contributions

#### Session #1313

#### FIT Clinical Decision Making: Interventional Cardiology 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

157 - Retrieval of Undeployed Stent From the Left Main During a STEMI Using a Balloon and a Snare

Sahitya Posimreddy, Bader Abu Ghalyoun, Muhammed Shittu, Zaid Altheeb, Habib Habib, Biren Patel, Mirette Habib, Fayed Shamo, Saint Joseph University Medical Center, Jersey City, NJ, USA

158 - A Rare Case of Left Atrial Appendage to Pulmonary Vein Fistula Post Watchman Device Placement

Tehmina Yaqubi, Shobana Iyer, Waqas Siddiqui, Andrea Deneen, Orange Park Medical Center, Jacksonville, FL, USA, First Coast Cardiology Institute, Jacksonville, FL, USA

159 - A Rare Cause of Acute Pulmonary Edema Leading to Success Fulrenal Artery Intervention Post Evar

Yashwant Agrawal, Mayuri Kulkarni, Rovin Saxena, Karthik Mekala, Michele Degregorio, St. Joseph Mercy Oakland Hospital, Pontiac, MI, USA

160 - Percutaneous Use of the Angiovac System in Endocarditis Patients Who Are Poor Surgical Candidates

Rudin Gjeka, Kirikumar Patel, Sruthi Vellanki, Osama Abdel-Hafez, Justin Field, St. Joseph Mercy Oakland, Pontiac, MI, USA

161 - You Better Watch Out!: Acute Management of Transient Shock Secondary to the Bezold-Jarisch Reflex Following Reperfusion of an Inferior Wall STEMI

Mohammed Shuaib, Michael Beasley, Stelian Marinescu, Beaumont Hospital, Dearborn, MI, USA

162 - Unusual Complication of CABG

Mathhar Aldaoud, Sunit Tolia, Delano Small, Ascension Providence, Southfield, MI, USA

163 - Management of High On-Treatment Platelet Reactivity to Clopidogrel, Prasugrel and Ticagrelor in the Same Patient

Sameh Mohareb, Stephen Ramee, Mark B. Effron, Ochsner Medical Center, New Orleans, LA, USA, Ochsner Clinical School - University of Queensland (Australia) School of Medicine, New Orleans, LA, USA

164 - Marijuana-Related ECG Changes: Case Report of Pseudo-Wellens' Syndrome

Araz Baboujian, Saikrishna Patibandla, Kevin Luke Tsai, Constantine Monzidelis Jr., Sivacharan Buddhavarapu, Sarath Reddy, The Brooklyn Hospital Center, Brooklyn, NY, USA, The Mount Sinai Hospital, New York, NY, USA

165 - Atypical Presentation of Non-ST Elevation Myocardial Infarction in a Young Bengali Woman

Talha Mehmood, Irsa Munir, Marie Eloise Pena-Teotico, Suzette Graham-Hill, Shafiq Rehman, SUNY Downstate Medical Center, Brooklyn, NY, USA

166 - Giant Coronary Aneurysms Complicated by Thrombus Formation  
Jeannie Yu, Morton Kern, Amit Jain, University of California, Irvine, Orange, CA, USA, Veterans Affairs Long Beach Hospital, Long Beach, CA, USA

167 - Surviving a Stab Wound to the Right Coronary Artery: A Ticking Time Bomb

Chirag Patel, Jaimy Patel, Alex Gold, Abel Moreyra, Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, USA

168 - Saphenous Vein Graft Aneurysm Resulting in Extrinsic Pulmonary Artery Compression and Right Heart Failure Requiring Right Ventricular Impella Support

Preeti Mani, Amar Krishnaswamy, Shinya Unai, Jennifer Hargrave, Paul Cremer, Cleveland Clinic, Cleveland, OH, USA

### Special - Poster Contributions

#### Session #1314

#### Spotlight on Special Topics: Education and Training 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

169 - Assessing the Quality of Reporting of Harms in Randomized Controlled Trials Published in High Impact Cardiovascular Journals

Muhammad Shahzeb Khan, Asim Sheikh, Rohan Kumar Ochani, Noman Lateef, Kaneez Fatima, Safi U. Khan, Rami Doukky, Vincent Figueiredo, Richard Krasuski, John H. Stroger Jr. Hospital of Cook County, Chicago, IL, USA, Creighton University Medical Center, Omaha, NE, Tuvalu

170 - A Multi-Disciplinary Technology-Enabled Curriculum For Invasive Hemodynamics in the Cardiac Intensive Care Unit

Brian Daniel McCauley, Esseim Sharma, Sena Kilic, Bilal Ahmed, Antony Chu, Alpert Medical School, Brown University, Providence, RI, USA

172 - Evolution of EKG Reading Skills From Medical School to Residency

Nadew S. Sebro, Bindu Ganapathineedi, Alaa Mehta, Mount Sinai Hospital, Chicago, IL, USA

173 - Comparing Clinical Gaps in CAD Versus PAD: Assessing Knowledge and Competence of Cardiologists

Jelena Spyropoulos, Caroline Padbury, David Anderson, Medscape Education, New York, NY, USA

174 - Simulation in Stroke Prevention in Atrial Fibrillation: Improving the Use of Guideline-Directed Care

Jelena Spyropoulos, Medscape Education, New York, NY, USA

175 - Easing Documentation For Better Communication: Post-Catheterization Note Template Implementation to Improve Post-Procedure Documentation

Mrinalini K. Krishnan, Sudhakar Sattur, Guthrie Robert Packer Hospital, Sayre, PA, USA

176 - Soliciting Fellow Feedback For Didactic and Interactive Summer Core Sessions

Friederike K. Keating, Lakshmi Nambiar, University of Vermont, Burlington, VT, USA

### Special - Poster Contributions

#### Session #1315

#### Spotlight on Special Topics: Shared Decision Making 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

177 - Enhancing Cardiology Fellows' Procedural Informed Consent Discussions Using a Formative Observed Structured Clinical Examination

Sohah Iqbal, Adina Kalet, Barry Rosenzweig, Sondra Zabar, New York University Langone Health, New York, NY, USA

178 - Cognitive Impairment Is Very Common Among Patients With Heart Failure Regardless of Ejection Fraction

Aekarach Ariyachaipanich, Surachanee Likittanasombat, Nongnapas Assawamasbunlue, Angkawipa Trongtorsak, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand



179 - Public Awareness of Non-Vitamin K Oral Anticoagulants Versus Warfarin: An Infodemiology Approach  
Arturo Perez-Peralta, Aldo Barajas-Ochoa, Edward Rojas, Maria Diaz-Soto, Giselle Sueru-Abreu, Rutgers New Jersey Medical School, Newark, NJ, USA

180 - Spiritual Care Needs of Hospitalized Cardiology Patients: Nursing Perspectives  
Arlene Travis, Janice Smolowitz, Beth Oliver, Mount Sinai Hospital, New York, NY, USA, School of Nursing, Montclair State University, Montclair, NJ, USA

### Special - Poster Contributions

#### Session #1316

#### FIT Clinical Decision Making: Arrhythmias and Clinical EP 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

171 - An Unusual Cause of Palpitations During Pregnancy  
Nosheen Reza, Jessica L. Chowns, Amy Marzolf, Lisa Levine, Gregory Supple, Anjali Owens, University of Pennsylvania, Philadelphia, PA, USA

181 - Pericarditis Presenting as Type-1 Brugada Pattern, a Potential First  
Seth Klusewitz, Rebecca Seifried, Joseph Lee, Walter Reed National Military Medical Center, Bethesda, MD, USA

182 - Cardiac Arrest Due to Acquired Prolonged QTc From K2 Spice: Secondary ICD Prophylaxis  
Talha Ahmed, Ahmed Khan, Shawn Robinson, University of Maryland Midtown Campus, Baltimore, MD, USA, University of Maryland, Baltimore, MD, USA

183 - Gitelman Syndrome: A Shocking Outcome  
Salil Saxena, Irfan Siddiqui, Harry DeAntonio, East Carolina University, Greenville, NC, USA

184 - Clonidine For Treatment of Inappropriate Sinus Tachycardia  
Patrick Jones, Kristopher Pfirman, Madhav Lavu, The Medical Center, Bowling Green, KY, USA

185 - The Long and Short of It: A Case of Short QT Syndrome With Early Repolarization  
Rida Laeqq, Nir Ayalon, Ankur Karnik, Boston Medical Center, Boston, MA, USA

186 - Negative Chronotropic Effect and Angina Due to Thalidomide Use  
Luis Olmos Dominguez, Milton Ernesto Guevara Valdivia, Jose Oscar Torres Jaimes, Karim Yarek Juarez Escobar, Yitzar Bañuelos Millan, Héctor Hugo Guevara Gasca, Jesus Bueno Campa, Pedro Gerardo Davila Flores, Instituto Mexicano del Seguro Social, Mexico City, Mexico, Universidad Nacional Autonoma de Mexico, Mexico City, Mexico

187 - Trauma Induced Brugada Pattern  
Faraz Nasim Kazmi, Amina Adil, Scott Miller, Raymond Kawasaki, Advocate Lutheran General Hospital, Park Ridge, IL, USA, Aurora St. Luke's Medical Center, Milwaukee, WI, USA

188 - Guidelines For ICD in Emery-Dreifuss Muscular Dystrophy  
Som Aftabizadeh, Tri Ti, Senthil Thambidurai, Ahsan Khan, Aman Patel, Anand Subramanian, Daniel Jipescu, Medical City Forth Worth, Fort Worth, TX, USA

190 - Ibrutinib and Polymorphic Ventricular Tachycardia: A Potential Association?  
Manik Veer, Abhishek Chaturvedi, Jayshiv Badlani, Indu Poornima, Amit Thosani, Allegheny Health Network, Pittsburgh, PA, USA

191 - Syncope in a Young Adult With Kearns-Sayre Syndrome: A Hidden Finding

Divya Korpu, Saurabh Shah, Theodore Wang, Advocate Illinois Masonic Medical Center, Chicago, IL, USA

192 - Congenital Long QT Syndrome Type 2: The Case of a Misdiagnosed Arrhythmia and a Near Fall From Death  
Paul T. Maddux, Kristen Brown, Chinmaya Mareddy, Gyanendra Sharma, Haitham Hreibe, Medical College of Georgia at Augusta University, Augusta, GA, USA

193 - Atrial-Esophageal Fistula After Catheter Ablation: Diagnosing and Managing a Rare Complication of a Common Procedure  
Robby Singh, Elise Landa, Christian Machado, Providence Hospital - Michigan State University, Southfield, MI, USA

194 - Managing a "Knotty" Lead  
Sandeep Dayanand, Jasmin Martinez Castellanos, Scott Zalut, Allan Greenspan, Sumeet Mainigi, Einstein Medical Center, Philadelphia, PA, USA

195 - Food For Thought: Atrial Esophageal Fistula Post Atrial Ablation  
Wai Tam, Roberts Paul Lee, Marc Iskander, Raul Alonso, Jose Paz, Palmetto General Hospital GME, Hialeah, FL, USA

196 - Wolff-Parkinson-White Syndrome With Rapid Stimulation of Accessory Pathway in the Setting of Atrial Fibrillation and Recent Cocaine Use  
Jason M. Cohen, Joshua Raven, Madhav Lavu, Medical Center Bowling Green, Bowling Green, KY, USA

197 - Bundle Branch Reentrant Ventricular Tachycardia After Transcatheter Aortic Valve Replacement  
Virginia Workman, James Freeman, John Forrest, Krishna Upadhyaya, Kerrilynn Carney, Alan Enriquez, Yale New Haven Hospital, New Haven, CT, USA

198 - Congenital Long QT Syndrome Unmasked in Postpartum  
Navdeep Tandon, Jessica Kline, Ottorino Costantini, Akron City Summa Hospital, Akron, OH, USA

199 - Rate-Related Left Bundle Branch Block and Cardiac Memory in a Patient Without Ischemic Heart Disease  
Saikrishna Patibandla, Constantine Monzidelis Jr., Sivacharan Buddhavarapu, Kevin Luke Tsai, Cesar Ayala-Rodriguez, Sarath Reddy, The Brooklyn Hospital Center, Brooklyn, NY, USA, The Mount Sinai Hospital, New York, NY, USA

200 - A Postpartum Shock: Torsades de Pointes in a Multigravida, Multiparous Patient Leading to the Diagnosis of Type 1 Congenital Long Qt Syndrome  
Mitchell Stelzer, Jordan Luli, Ankur Shah, OhioHealth Doctors Hospital, Columbus, OH, USA

201 - Amiodarone Toxicity: Sooner Than You Expect  
Christopher Tanayan, Taranjot Janda, Caitlin Ilkanich, Mary Pastoral, Kevin Silver, Summa Health Heart and Vascular Institute, Akron, OH, USA

202 - A Single Heart Beat Reveals Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy: A Rare But Under-Recognized Clinical Entity  
Hetal H. Mehta, Ryan Watson, Reginald Ho, Thomas Jefferson University Hospital, Philadelphia, PA, USA

203 - A Clinical Challenge Overcome by His Bundle Pacing  
Hena Patel, Allison Zimmerman, Annabelle Volgman, Tochi Okwuosa, Parikshit Sharma, Rush Medical Center, Chicago, IL, USA



204 - Recurrent Supraventricular Arrhythmia: When Ablation Is Not the Answer - A Perplexing Case of Phenochromocytoma  
Sarah Gorgis, Mohammed Dabbagh, Sagger Mawri, Gray Akoegbe, Shaheen Alane, Khaldoon Alaswad, Ali Dabaja, Bobak Rabbani, Henry Ford Hospital, Detroit, MI, USA

205 - Wide Complex Tachycardia: Same Rate, Same Rhythm  
Amartya Kundu, Abdalla Hassan, Adedotun Ogunsua, David McManus, University of Massachusetts Medical School, Worcester, MA, USA

206 - A Heart Stopping Alarm  
Adib M. Chaus, Gabrielle Rubin, James Russell, Nishant Patel, Raymond Kawasaki, Shariff Attaya, Advocate Lutheran General Hospital, Park Ridge, IL, USA

207 - Ventricular Arrhythmia: An Uncommon Initial Presentation of Sarcoidosis  
Mohammed Dabbagh, Sarah Gorgis, Sagger Mawri, Gayathri Iyer, Gurjit Singh, Michael Hudson, Henry Ford Hospital, Detroit, MI, USA

208 - Brugada Phenocopy Unmasked After a Motor Vehicle Accident  
Sudha P. Jaganathan, Elizabeth K. Powell, Srinivas Rajshoker, Richard Becker, University of Cincinnati College of Medicine, Cincinnati, OH, USA

### Special - Poster Contributions

#### Session #1317

#### **FIT Clinical Decision Making: Heart Failure and Cardiomyopathies 5**

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

209 - Granulomatosis With Polyangiitis Associated Myocarditis: A Multi-Disciplinary Team Approach  
Katherine Nichols, Eric Williams, Alan Kono, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

210 - An Unintended Consequence of Bariatric Surgery: Cardiac Oxalosis  
Adam Caldwell, Alan Hinderliter, Mirela Byku, Division of Cardiology, University of North Carolina, Chapel Hill, NC, USA

211 - Reversal of Severe Biventricular Failure Due to Cardiac Hemochromatosis With Repeat Phlebotomy  
Harish Devineni, Emanuel Ebin, Hassan Alhosaini, East Carolina University/Vidant Medical Center, Greenville, NC, USA

212 - A Case of Myopericarditis and Catastrophic Antiphospholipid Syndrome  
Alejandro Pena, Jr., Divya Ratan Verma, Erica Flores, Radha Gopalan, Banner University Medical Center Phoenix, Phoenix, AZ, USA

214 - Azathioprine-Induced Acute Fulminant Eosinophilic Myocarditis  
Terence Sean Dunn, Josh Harpool, Steven G. Lloyd, University of Alabama at Birmingham, Birmingham, AL, USA

215 - Right Heart Failure From a Missed Anomalous Pulmonary Vein Connection: Back For More  
Sheng Fu, Adnan Khalif, Victor Farah, Allegheny General Hospital, Pittsburgh, PA, USA

216 - Role of Ecmo in Bone Cement Implantation Syndrome  
Teerapat Yingchoncharoen, Sasinee Srimachai, Ramathibodi Hospital, Ratchathevi, Thailand

217 - The Great Imitator: Tension Pneumothorax Mimicking STEMI in a Patient With Bi-Ventricular Takotsubo Cardiomyopathy  
Maya Ignaszewski, Brian Baturin, Isata Sesay, Janah Aji, Cooper University Hospital, Camden, NJ, USA

219 - The Lifesaving Role of Biventricular Mechanical Support in a Young Female With Acute Myocarditis  
Marina Iskandir, Mohammad Ansari, Texas Tech University Health Sciences Center, Lubbock, TX, USA

221 - To Inotrope or Not to Inotrope?  
Abdullah Sarkar, Joshua Larned, Jose Collado, University of Miami, Miami, FL, USA, Jim Moran Heart and Vascular Center at Holy Cross Hospital, Fort Lauderdale, FL, USA

222 - Case Report: 25 Years Later - An Unexpected Late Antibody Mediated Rejection of an Orthotopic Heart Transplant  
Skarlet W. Patino Velasquez, Rafael Calderon, University of Puerto Rico, San Juan, PR, USA

223 - A Case of a Fragile Heart: Takotsubo Syndrome After ST-Elevation Myocardial Infarction With Recurrence Due to Anxiety  
Namit Rohant, Michael Cryer, Jarred Sergeant, Michael Rofael, University of South Carolina/Palmetto Health, Columbia, SC, USA

224 - An Uncommon Common Procedure: Ventricular Aneurysmectomy in Chagas Cardiomyopathy  
Nitika Dabas, Janelle Cuervo, Landy Luna, Rosario Colombo, Jackson Memorial Hospital/University of Miami Hospital, Miami, FL, USA

225 - A Rare Case of Infiltrative Cardiomyopathy: Isolated Eosinophilic Cardiomyopathy  
Pedro Santiago Rodriguez, Robert Rodriguez, Eduardo Hernandez Pons, Edgar Vazquez-Vargas, Gilberto Baez-Rios, David Bermudez-Nunez, Hector Martinez-Gonzalez, Francisco Perez, Milton Carrero, Mayaguez Medical Center, Mayaguez, PR, USA

226 - Cardiac Tamponade: An Uncommon Presentation of Common Influenza Infection  
Akshay Goel, Yadav Pandey, Rimsha Hasan, Krishna Joshi, Fuad Habash, Sabeeda Kadavath, David Rutlen, University of Arkansas for Medical Sciences, Little Rock, AR, USA

227 - From TAVR to Mechanical Valve to Bioprosthetic Valve: A Case of Triple Valve Replacement  
Justin Johannessen, Amit Alam, Aziz Ghaly, Michael Huang, Kanika Mody, Deepa Iyer, Rutgers Robert Wood Johnson, New Brunswick, NJ, USA

228 - Mitral Pseudostenosis, Severe Pulmonary Hypertension, and Right Heart Failure Due to Giant Cardiac Myxoma: A Mimicker  
Hafiz Khan, Mahin Khan, Hameem Changezi, Ahmad Munir, Shagufta Ali, McLaren-Flint/Michigan State University, Flint, MI, USA

229 - Persistence Pays Off: Cardiac Sarcoidosis Presenting as Atrioventricular Block Undiagnosed on Initial Imaging  
Sharana Hegde, Maria E. Rodrigo, Selma F. Mohammed, Farooq H. Sheikh, Georgetown University/MedStar Washington Hospital Center, Washington, DC, USA

230 - Left Ventricular Pseudoaneurysm: Consequences of Untreated Myocardial Infarction  
Daniel Ahmad, Harish Jarrett, Andrew Chen, Maria E. Rodrigo, Ezequiel J. Molina, MedStar Washington Hospital Center, Washington, DC, USA

231 - Catecholamine-Induced Cardiomyopathy: A Unique Presentation For a Rare Tumor  
Shruti Hegde, Mansour Almnajam, Ann Sweeney, Aleksandr Pereplechikov, Lana Tsao, Steward St. Elizabeth Medical Center, Brighton, MA, USA



232 - Maintaining Immunosuppression in the Setting of Posterior Reversible Encephalopathy Syndrome in High-Risk Multi-Organ Transplantation  
Nina Thakkar Rivera, Amit Badiye, Sandra Chaparro, Miami Transplant Institute University of Miami Health and Jackson Memorial Hospital, Miami, FL, USA

233 - He "Still" Has an Effusion  
Abdullah Pervaiz, Kanval Shah, Osama Kandalaft, Calvin Craig, University of Massachusetts Medical School - Baystate, Springfield, MA, USA

234 - Myocarditis and Fevers: Ticking Off the List of Possibilities  
Arvind K. Pandey, Jenifer Brown, Peter Libby, Brigham and Women's Hospital, Boston, MA, USA

235 - A Rare Case of Trench Fever Myocarditis  
Behnam Laderian, Chad Ward, Josiah Zubairi, Barry London, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

236 - Atypical Presentation of Fatal Cardiac Amyloidosis  
Zachary Oman, Nauman Khalid, Bohao Gu, Hassan Alkhawam, Ammar Nasir, Tarek Helmy, St. Louis University School of Medicine, St. Louis, MO, USA

### Special - Poster Contributions

Session #1318

#### FIT Clinical Decision Making: Vascular Medicine 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

237 - Management of Anticoagulation in Patients With Stroke and Valvular Atrial Fibrillation Before Screening Colonoscopy: Is Bridging Therapy Always Necessary?

Isma Javed, Nazir Ahmad, Sardar Ijaz, Mohamad Khattab, Chittur Sivaram, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

238 - The Mystery Behind the Smoke  
Sonu Abraham, Michelle Hadley, Saint Vincent Hospital, Worcester, MA, USA

239 - Diagnosis of Aortic Dissection by Cardiac Catheterization: The Wrong Test For a Critical Diagnosis  
George Black, Henry Liberman, Emory University, Atlanta, GA, USA

240 - Challenges in Management of Coronary Artery Aneurysms  
Sarumathi Thangavel, Namita Joseph, Victor Farah, Allegheny General Hospital, Pittsburgh, PA, USA

241 - Aortic Dissection Presenting as Seizure  
Ankit Mahajan, Kimberley Cousins, Funmilola Ogunlape, Iziegbu Ehiorobo, Alem Mehari, Howard University Hospital, Washington, DC, USA

242 - Not Your Mama's MI: Chest Pain in a Postpartum Woman  
Asad Al Aboud, Jessica Huston, Soo Hyun Kim, Jared O'Leary, Vanderbilt University Medical Center, Nashville, TN, USA

243 - A Young Woman With Post-Prandial Abdominal Pain  
Robert Rodriguez, Pedro Santiago Rodriguez, Raul Rinaldi, Angel Galera, Carlos Lugo Olivieri, Francisco Perez, Milton Carrero, Hector Martinez-Gonzalez, Helder Hernandez-Rivera, Mayagüez Medical Center, Mayagüez, PR, USA

244 - Arteriovenous Masquerade: The Case of an Arteriovenous Malformation Presenting as Progressive Lymphedema  
Randy K. Ramcharitar, Aditya M Sharma, University of Virginia, Charlottesville, VA, USA

### Special - Poster Contributions

Session #1319

#### FIT Clinical Decision Making: Valvular Heart Disease 4

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

246 - A Complicated Case of Triple Valve Endocarditis With Emboli Successfully Treated With Surgery  
Usman Mazahir, Aref Obagi, Arthur Okere, Sinan Simsir, Jersey Shore University Medical Center, Neptune City, NJ, USA

247 - Q-Fever Endocarditis: Rare But Not Forgotten  
M Usman Ghani, Cristina Sanina, Antonio Fojas, Marilou Corpuz, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY, USA

248 - Early Diagnosis and Management of Carcinoid Valvular Heart Disease  
Mohammad Sheikh, Chandana Shekar, Kashif Shaikh, Matthew Budoff, Los Angeles BioMedical Research Institute, Torrance, CA, USA

249 - Impella as a Bridge to Emergent Valve-in-Valve Transcatheter Aortic Valve Replacement in Severe Prosthetic Aortic Valve Stenosis  
Ahsan Khan, Biren Patel, Abbas Shehadeh, Addi Suleiman, Ahmad Abuarqoub, Saint Michael's Medical Center, Newark, NJ, USA, Medical City Fort Worth, Fort Worth, TX

250 - Double Valve Replacement Utilizing the LAMPOON Technique  
John Cyril Lisko, Norihiko Kamioka, Nabil Sabbak, Isida Byku, Lucia Alvarez, Patrick Gleason, James Stewart, Adam B. Greenbaum, Vasilis Babaliaros, Emory University, Atlanta, GA, USA

251 - H1N1 Related Acute Respiratory Distress Syndrome in a Patient With Severe Mitral Stenosis: Extra Corporeal Membrane Oxygenation and Balloon Mitral Valvuloplasty to the Rescue  
Jignesh A. Patel, Abhinav Saxena, Karan Wats, Adnan Sadiq, Gregory Crooke, Maimonides Medical Center, Brooklyn, NY, USA

252 - Don't Go Breaking My Heart: Aortic to Right Atrial Fistula Secondary to Aortic Root Abscess  
Mark Saling, Theresa Ratajczak, Wright State University, Dayton, OH, USA

253 - Percutaneous Tricuspid Valve-in-Ring Replacement For the Treatment of Recurrent Severe Tricuspid Regurgitation  
Abdul Qazi, Nagalakshmi Nagarajan, Amgad Mentias, Musab Alqasrawi, Chad Ward, Sidakpal Panaich, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

254 - Coronary Sinus Vegetation Secondary to Tricuspid Valve Regurgitation  
Mayur Patel, Edward Distler, Nickalaus Gramze, University of Arizona - Phoenix, Phoenix, AZ, USA

255 - Successful Valvuloplasty of Severe Mitral Valve Stenosis During Pregnancy  
Billy Chen, Zachary Steinberg, Eric Krieger, University of Washington, Seattle, WA, USA

256 - An Intriguing Case of Isolated Severe Tricuspid Regurgitation  
Mary Carolina Rodriguez Ziccardi, Alina Brener, Satyajit Reddy, Amer Ardati, University of Illinois at Chicago, Chicago, IL, USA

257 - A Case of Valve-in-Valve Transcatheter Valve Replacement in Bacterial Endocarditis  
Rohini Manaktala, Stephen Ramee, Patrick Parrino, Jose Tafur Soto, Ochsner Clinic, New Orleans, LA, USA



258 - It All Started With a Sneeze: An Unfortunate Tale of Infective Endocarditis  
Subhasree Panchangam, Michael He, Juan Marmol Velez, Chandra Ojha, Tarif Khair, Texas Tech University Health Sciences Center, El Paso, TX, USA

259 - Failure of Thrombosis of Cabrol Shunt Leading to Pseudoaneurysm Following Aortic Root Surgery in Marfan Syndrome  
Simone Jhaveri, Rukmini Komarlu, Munir Ahmad, Hani Najm, Gosta Pettersson, Kenneth Zahka, Cleveland Clinic Children's, Cleveland, OH, USA

260 - Cardiac MRI in Assessment of Paravalvular Aortic Regurgitation After Transcatheter Aortic Valve Replacement  
Wahaj Aman, Yang Zhan, Dipan Shah, Houston Methodist, Houston, TX, USA

261 - Mechanical Mitral Valve Thrombosis and Thrombolysis With Alteplase in a Surgical High Risk Patient  
Juan Alan Fuentes Mendoza, Luis Mario Gonzalez Galvan, Rodrigo Zebadua Torres, Jorge Antonio Cervantes Nieto, National Institute of Cardiology Ignacio Chavez, Mexico City, Mexico, Naval Medical Center, Mexico City, Mexico

262 - Native Pulmonary Valve Endocarditis in the Absence of Risk Factors: A Unique Occurrence  
Simone Jhaveri, Elizabeth Saarel, Robert Stewart, Rukmini Komarlu, Cleveland Clinic Children's, Cleveland, OH, USA

263 - A Koi Diagnosis: Achromobacter Xylosoxidans as an Unusual Cause of Mitral Valve Endocarditis  
Isaac Tea, Mario Caruso, Phillip Gary, Sharif Ahmed, William Surkis, Lankenau Medical Center, Wynnewood, PA, USA

264 - Percutaneous Therapy of Severe Tricuspid Regurgitation Using Caval Valve Implantation (CAVI)  
Sagger Mawri, Dee Dee Wang, Tiberio Frisoli, William O'Neill, Henry Ford Hospital, Detroit, MI, USA

### Special - Heart 2 Heart Stage

Session #6508

#### Demystifying the FDA

Monday, March 18, 2019, 9:30 AM - 10:00 AM

Heart 2 Heart Stage-Lounge & Learn Pavilion\_Hall B

CME Hours: 0.5 / CNE Hours: 0.5

9:30 AM

Demystifying the FDA

Karen A. Hicks

Silver Spring, MD

9:30 AM

Demystifying the FDA

Fortunato Fred Senatore

Silver Spring, MD

9:30 AM

Demystifying the FDA

Mary Ross Southworth

Silver Spring, MD

### Valvular Heart Disease - Poster Contributions

Session #1337

#### Valvular Heart Disease: Clinical 5

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

457 - Phenotyping Progression of Secondary Mitral Regurgitation in Chronic Systolic Heart Failure

Henrike Arfsten, Philipp Bartko, Noemi Pavo, Gregor Heitzinger, Julia Mascherbauer, Christian Hengstenberg, Martin Hülsmann, Georg Goliash, Medical University of Vienna, Vienna, Austria

458 - Nationwide Trends in Complications of Infective Endocarditis in United States From 1999 to 2014

Rishi Shrivastav, Dipesh Ludhwani, Kamala Ramya Kallur, Stuthi Perimberti, Dhrubajyoti Bandyopadhyay, Roberto Carlos Ochoa Jimenez, Eyal Herzog, Mount Sinai St. Luke's, New York, NY, USA

459 - Obesity Does Not Predict Long Term Outcomes in Minimally Invasive Mitral Valve Surgery For Degenerative Mitral Valve Disease

Neal Foley, Renaldo Williams, Rushikesh Vyas, Leslie Busbee, Shi Huang, Keki Balsara, Clayton Allen Kaiser, Michael Petracek, Ashish Shah, Tarek Absi, Vanderbilt University Medical Center, Nashville, TN, USA

460 - Persistence of Valvulopathy in the CAMELLIA-TIMI 61 Trial of Lorcaserin in Obese or Overweight Patients at Increased Cardiovascular Risk

Christina Fanola, Erin Bohula, Neil Weissman, Stephen Wiviott, Arman Qamar, Julia Kuder, KyungAh Im, Silvio Inzucchi, Darren McGuire, Anthony Keech, Steven Smith, Carlos Perdomo, Wenfeng Miao, Tushar Patel, Marc Sabatine, Benjamin M. Scirica, Brigham and Women's Hospital, Boston, MA, USA

461 - Factors Determining Aortic Valve Dysfunction in Patient With a Normal Functioning Bicuspid Aortic Valve

William K. F. Kong, Elise Vollema, Francesca Prevedello, Kian Keong Poh, Rebecca Perry, Miriam Shanks, Bogdan Popescu, Michael Liang, Wei Xian Chen, Nina Marsan, Fausto J. Pinto, Philippe Pibarot, Arturo Evangelista-Masip, Marcin Fijalkowski, Jose Zamorano, Joseph Selvanayagam, Victoria Delgado, Jeroen J. Bax, Leiden University Medical Centre, Leiden, The Netherlands, The National University Heart Centre, Singapore, Singapore

462 - High Prevalence of Rheumatic Heart Disease in 2603 School Children in North-West India With 6 Months and 2 Years Follow-Up: An Echocardiographic Survey

Raja Babu Panwar, Bal Kishan Gupta, Arvind Kumar Sharma, Dinesh Choudhary, Sadik Panwar, Nidhi Priya, Rajeev Gupta, S. P. Medical College, Bikaner, India, RUHS, Jaipur, India

463 - Temporal Trends in Risk Profiles of Isolated Surgical Aortic Valve Replacement Patients

Paige Craig, Toby Rogers, Quan Zou, Rebecca Torguson, Petros Okubagzi, Afshin Ehsan, John Goncalves, Chiwon Hahn, Thomas Bilfinger, Scott Buchanan, Robert Garrett, Vinod Thourani, Paul Corso, Ron Waksman, MedStar Washington Hospital Center, Washington, DC, USA

464 - Left Atrial Enlargement in Children Screened For Rheumatic Heart Disease in Samoa

Marvin R. Allen, Mitchell A. Adams, John Allen, Taylor Avei, Hannah Nyholm, Derek D. Arrington, Lori Allen, Tyler Heaton, Brigham Young University, Provo, UT, USA



471 - Comparison Between Mono or Dual Anti-Platelet Therapy Post Tavr  
Daniel Garcia, Mohammad Ansari, Ochsner Heart and Vascular Institute, New Orleans, LA, USA, Texas Tech University Health Science Center, Lubbock, TX, USA

### Valvular Heart Disease - Poster Contributions

#### Session #1338

#### Valvular Heart Disease: Therapy 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

469 - Feasibility and Effect of Remote Ambulatory Heart Rhythm Monitoring Pre and Post Tavi

Jose Winter, Tej Sheth, Jeff Healey, James Velianou, Jon-David Schwalm, Amanda Smith, Sandy Schwenger, Jimmy Poulin, Seleman Reza, Madhu Natarajan, McMaster University, Hamilton, Canada, Hamilton Health Sciences, Hamilton, Canada

470 - Outcomes of Isolated Tricuspid Valve Surgery Have Improved in the Modern Era

Robert Smith, II, Mohanad Hamandi, William Ryan, Laith Batarseh, Anupama Vasudevan, Paul Grayburn, Timothy George, Katherine Harrington, J. Michael DiMaio, Kelly Hutcheson, William Brinkman, Molly Szerlip, David Moore, Michael Mack, Baylor Scott and White The Heart Hospital, Plano, TX, USA

472 - Effect of Different Posterior Mitral Valve Leaflet Prolapse Repair

Techniques on Postoperative Left Ventricular Global Longitudinal Strain  
Anton Tomsic, Aniek L. van Wijngaarden, Jeroen J. Bax, Victoria Delgado, Robert Klautz, Nina Marsan, Meindert Palmen, Leiden University Medical Centre, Leiden, The Netherlands

473 - Current Indications For and Outcomes of Concomitant Tricuspid Valve Surgery

Mohanad Hamandi, Robert Smith, II, William Ryan, Laith Batarseh, Paul Grayburn, Timothy George, Kelly Hutcheson, Katherine Harrington, Justin Schaffer, William Brinkman, Molly Szerlip, David Moore, J. Michael DiMaio, Michael Mack, Baylor Scott and White The Heart Hospital, Plano, TX, USA

474 - Concomitant Tricuspid Valve Annuloplasty at the Time of Mitral Valve Surgery Compared to Isolated Mitral Valve Surgery

Mohanad Hamandi, Robert Smith, II, William Ryan, Paul Grayburn, Alexander Crawford, Anupama Vasudevan, Jordan Wooley, Laith Batarseh, Timothy George, Anita Krueger, Kelly Hutcheson, Katherine Harrington, William Brinkman, Molly Szerlip, David Moore, J. Michael DiMaio, Michael Mack, Baylor Scott and White The Heart Hospital, Plano, TX, USA

### Vascular Medicine - Poster Contributions

#### Session #1334

#### Vascular Medicine: Endovascular Therapy 3

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

449 - National Trends and Outcomes of Peripheral Vascular Intervention in Dialysis Patients With Critical Limb Ischemia

Horam Moussa Pacha, Yasser Al-Khadra, Fahed Darmoch, Mohamad Soud, Amir Kaki, M. Chadi Alraies, MedStar Washington Hospital Center, Washington, DC, USA, Detroit Medical Center, Detroit, MI, USA

450 - Impact of Cardiac Condition on Prognosis in Patients With Critical Limb Ischemia After Revascularization

Taku Toyoshima, Osamu Iida, Mitsutoshi Asai, Masaharu Masuda, Shin Okamoto, Takayuki Ishihara, Kiyonori Nanto, Takashi Kanda, Takuya Tsujimura, Shota Okuno, Yasuhiro Matsuda, Hiroyuki Kawai, Aki Tsuji, Yosuke Hata, Hiroyuki Uematsu, Yuki Sato, Naoko Higashino, Toshiaki Mano, Kansai Rosai Hospital, Amagasaki, Japan

451 - Association of Duration For Renal Replacement Therapy or Serum Phosphorus Level With the Prognosis of Critical Limb Ischemia After Endovascular Therapy

Naoko Higashino, Osamu Iida, Mitsutoshi Asai, Masaharu Masuda, Shin Okamoto, Takayuki Ishihara, Kiyonori Nanto, Takashi Kanda, Takuya Tsujimura, Shota Okuno, Yasuhiro Matsuda, Hiroyuki Kawai, Yosuke Hata, Aki Tsuji, Yuki Sato, Hiroyuki Uematsu, Taku Toyoshima, Toshiaki Mano, Kansai Rosai Hospital, Amagasaki City, Japan

452 - One-Year Major Adverse Limb Events and Planned Revascularizations Following Invasive Versus Optimal Medical Therapy For New or Worsening of Claudication Symptoms: Insights From the PORTRAIT Registry

Kim Smolderen, David Safley, Philip Jones, Manesh Patel, Schuyler Jones, Mehdi Shishehbor, Herbert Aronow, Clementine Labrosiano, Christine Fuss, Kate Scott, Nancy Stone, John A. Spertus, University of Missouri Kansas City, Kansas City, MO, USA, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

453 - Outcomes of Hybrid Technique For Aortic Arch Diseases in 379 Consecutive Patients Over A 12-Year Period

Huanyu Ding, Yi Zhu, Enmin Xie, Songyuan Luo, Ling Xue, Wenhui Huang, Yuan Liu, Ruixin Fan, Jianfang Luo, Vascular Center, Guangdong Cardiovascular Institute, Guangdong General Hospital, Guangzhou, People's Republic of China

454 - Comparison of Operator and Core Lab Assessed Infra-Inguinal Peripheral Artery Calcification and Treatment Implications

Bassel Bou Dargham, Bo Sun, Hua Lu, Amutharani Baskar, Ishita Tejani, Subhash Banerjee, University of Texas Southwestern Medical Center, Dallas, TX, USA, North Texas Veteran Affairs Healthcare System, Dallas, TX, USA

### Vascular Medicine - Poster Contributions

#### Session #1335

#### Vascular Medicine: Basic 4

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

455 - The Novel Adipokine C1QTNF1 Significantly Predicts the Incidence of Future Major Cardiovascular Events in Patients With Type 2 Diabetes

Axel Muendlein, Andreas Leicherer, Christoph H. Saely, Kathrin Geiger, Eva-Maria Brandtner, Barbara Larcher, Arthur Mader, Peter Fraunberger, Heinz Drexel, VIVIT-Institute, Feldkirch, Austria

456 - Targeted Metabolomics Identifies Elevated Serotonin Levels in Carriers of a TCF7L2 Diabetes-Risk Allele

Andreas Leicherer, Axel Muendlein, Kathrin Geiger, Christoph H. Saely, Eva-Maria Brandtner, Barbara Larcher, Arthur Mader, Peter Fraunberger, Heinz Drexel, VIVIT-Institute, Feldkirch, Austria

465 - Safety and Efficacy of Chardonnay Seed Supplements in Improving Peripheral Vascular Health: A Double-Blinded Randomized Controlled Trial

Michel Corban, Robert Widmer, Makinzee Kazeck, Lilach Lerman, Amir Lerman, Mayo Clinic, Rochester, MN, USA



466 - Improvement of Vascular Response to Ischemia/Reperfusion Injury:

Role of the P2Y11 Purinergic Receptor

Marie Piolet, Clémence Lefort, Lauriane Benoist, Stéphanie Chadet, Danina Muntean, Oana Duicu, Adrian Sturza, Denis Angoulvant, Fabrice Ivanov, Laboratoire Transplantation, Immunologie et Inflammation, Loire Valley Cardiovascular Collaboration, Tours, France

**Vascular Medicine - Poster Contributions**

**Session #1336**

**Vascular Medicine: Non Coronary Arterial Disease 5**

Monday, March 18, 2019, 9:30 AM - 12:30 PM

Poster Hall\_Hall F

CME Hours: / CNE Hours:

467 - The Potential Role of Alcohol Consumption in Aortic Root Dilatation:

Insights From the Corinthia Study

Sotirios Tsalamandris, Evangelos Oikonomou, Evangelia Christoforatou, Christos Chasikidis, George-Angelo Papamikroulis, Georgia Vogiatzi, Evgenia Bourouki, Effimia Zacharia, Maria Anastasiou, Margienti Papakonstantinou, Dimitris Tousoulis, First Cardiology Clinic, 'Hippokration' General Hospital, Athens, Greece, National & Kapodistrian University of Athens, Athens, Greece

468 - The Association Among Depressive Symptoms, Emotional Status, and Carotid Atherosclerotic Burden of the Corinthia Study Population

Sotirios Tsalamandris, Evangelos Oikonomou, George Lazaros, Evangelia Christoforatou, Georgia Vogiatzi, Effimia Zacharia, Christos Chasikidis, Athina Goliopoulos, George-Angelo Papamikroulis, Charilisa-Loukia Ververeli, Maria Anastasiou, Nikolaos Galiatsatos, Dimitris Tousoulis, First Cardiology Clinic, 'Hippokration' General Hospital, Athens, Greece, National & Kapodistrian University of Athens, Athens, Greece

475 - Growth and Re-Intervention of Residual Aortic Arch and Descending Aorta After Type A Dissection Repair

Domenico Calcaterra, Truls Myrmel, Alan Braverman, Takeyoshi Ota, Reed Pyeritz, Maral Ouzounian, Clayton Allen Kaiser, Marc Schermerhorn, Derek Brinster, Anil Bhan, Daniel Montgomery, Anthony Estrera, Jean Bismuth, Kim Eagle, Eric Isselbacher, Christoph Nienaber, Kevin Harris, University of Michigan, Ann Arbor, MI, USA, Minneapolis Heart Institute, Minneapolis, MN, USA

476 - New Murmur of Aortic Insufficiency in Acute Aortic Dissection

Stephen Philip, Edward Chen, Stuart Hutchison, Patrick O'Gara, Emil Missov, G. Chad Hughes, Dan Gilon, Lori Conklin, Sherene Shalhub, Ali Khoynezhad, Raffi Bekeredjian, Daniel Montgomery, Guillaume Geuzebroek, Bradley Taylor, Valerio Tolva, Eric Isselbacher, Christoph Nienaber, Kim Eagle, University of Michigan, Ann Arbor, MI, USA

**Acute and Stable Ischemic Heart Disease - Moderated Poster Contributions**

**Session #1045**

**Critical Sub-Analyses From Landmark Clinical Trials**

Monday, March 18, 2019, 9:45 AM - 10:30 AM

**Acute and Stable Ischemic Heart Disease Moderated Poster Theater\_Hall\_Hall F**

CME Hours: / CNE Hours:

ACC Poster Moderator: Sripal Bangalore

ACC Poster Moderator: Marc Steven Sabatine

9:45 AM

Comparison of the Safety of Celecoxib, Ibuprofen, and Naproxen in Patients Without Established Cardiovascular Disease

Grant W. Reed, Haris Riaz, Quiqing Wang, Kathy Wolski, Lisa Wisniewski, Venu Menon, A. Lincoff, Steven Nissen, Cleveland Clinic, Cleveland, OH, USA

9:55 AM

Question and Answer

10:00 AM

Assessing Outcomes in the Dual Antiplatelet (DAPT) Clinical Trial Using Medicare Claims: Insights From the EXTEND-DAPT Study

Kamil Faridi, Hector Tamez Aguilar, Eric Secemsky, Yang Song, Laura Mauri, Jeptha Curtis, Changyu Shen, Robert Yeh, Smith Center for Outcomes Research in Cardiology, Beth Israel Deaconess Medical Center, Boston, MA, USA

10:10 AM

Question and Answer

10:15 AM

Patients With Acute Coronary Syndrome, Elevated Atherogenic Lipoproteins, and Prior Coronary Artery Bypass Grafting Derive Large Absolute Benefit From Alirocumab: Insights From the ODYSSEY OUTCOMES Trial

Shaun G. Goodman, Philip Aylward, Michael Szarek, Vakhtang Chumuridze, Deepak L. Bhatt, Berta Bittner, Rafael Diaz, Jay Edelberg, Corinne Hanotin, Robert A. Harrington, Johan Wouter Jukema, Sasko Kedev, Angele Moryusef, Robert Pordy, Gabriel Arturo Ramos López, Matthew T. Roe, Margus Viigimaa, Harvey D. White, Andreas M. Zeiher, Philippe Gabriel Steg, Gregory G. Schwartz, ODYSSEY OUTCOMES Investigators, Canadian VIGOUR Centre, University of Alberta, Edmonton, Canada, University of Colorado School of Medicine, Denver, CO, USA

10:25 AM

Question and Answer

**Arrhythmias and Clinical EP - Moderated Poster Contributions**

**Session #1046**

**Localizing Ventricular Arrhythmias: Mapping the Future**

Monday, March 18, 2019, 9:45 AM - 10:30 AM

**Arrhythmias and Clinical EP Moderated Poster Theater\_Hall\_Hall F**

CME Hours: / CNE Hours:

ACC Poster Moderator: John M. Fontaine

ACC Poster Moderator: Roderick Tung

9:45 AM

Non-Invasive Electroanatomical Mapping For Predicting Site of Origin of Outflow Tract Ventricular Tachycardias

Aditi Vaishnav, Stavros Mountantonakis, Jeremy Jacobson, Neil Bernstein, Kabir Bhasin, Laurence Epstein, Nicholas Skipitaris, Northwell Health, New York, NY, USA

9:55 AM

Question and Answer

10:00 AM

Endocardial Electro-Anatomic Voltage Mapping After Cardiac Stereotactic Body Radiation For Refractory Ventricular Tachycardia

Carlos Calle Muller, Michael Lloyd, Kristin Higgins, John Wight, Michael Hoskins, Emory University, Atlanta, GA, USA

10:10 AM

Question and Answer

10:15 AM

A New, Simple ECG Algorithm For the Rapid Identification of Ventricular Tachycardia Based on Opposing QRS Complexes on Limb Leads

Qiong Chen, Sanghamitra Mohanty, Domenico Della Rocca, Chintan Trivedi, Carola Gianni, Alfredo Tapia, Omer Gedikli, Andrea Natale, Jinyi Xu, Texas Cardiac Arrhythmia Institute, Austin, TX, USA



10:25 AM

Question and Answer

### Congenital Heart Disease - Moderated Poster Contributions

#### Session #1047

##### Advancing Care in Marfan Syndrome

Monday, March 18, 2019, 9:45 AM - 10:30 AM

Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Joseph Camarda

ACC Poster Moderator: Ronald V. Lacro

9:45 AM

Prophylactic Treatment of Aortic Root Enlargement in Marfan Syndrome: A Comparative Evidence Evaluation From All the Randomized Trials

Aaqib H. Malik, Wilbert Aronow, Westchester Medical Center and New York Medical College, Valhalla, NY, USA

9:55 AM

Question and Answer

10:00 AM

Do Extra-Cardiac Manifestations Predict Severity of Cardiac Phenotype in Marfan Syndrome?

Luciana Teresa Young, Arvind Hoskoppal, Joyce Johnson, Lauren Andrade, L. LuAnn Minich, Zhining Ou, Angela Presson, Ronald Lacro, Shaji Menon, Seattle Children's Hospital University of Washington School of Medicine, Seattle, WA, USA, Primary Children's Medical Center University of Utah, Salt Lake City, UT, USA

10:10 AM

Question and Answer

10:15 AM

Beyond the Aorta: Pulmonary Artery Dilation and Impact of Treatment in Marfan Syndrome

Arvind Hoskoppal, Shaji Menon, Ronald Lacro, Lauren Andrade, Luciana Young, Jason Glotzbach, Zhining Ou, L. LuAnn Minich, University of Utah, Salt Lake City, UT, USA

10:25 AM

Question and Answer

### Heart Failure and Cardiomyopathies - Moderated Poster Contributions

#### Session #1048

##### Heart Failure and Cardiomyopathies: Cutting Edge Basic Science Reports

Monday, March 18, 2019, 9:45 AM - 10:30 AM

Heart Failure and Cardiomyopathies Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Salim Hayek

ACC Poster Moderator: Ali Javaheri

9:45 AM

LncRNA Snhg1 Elicits Heart Regeneration Through PTEN/Akt/Myc Positive Feedback Loop

Yanmei Chen, Mengsha Li, Bing Li, Yijin Chen, Guojun Chen, Xiaofei Feng, Hao Zheng, Jianping Bin, Nanfang Hospital, Southern Medical University, Guangzhou, People's Republic of China

9:55 AM

Question and Answer

10:00 AM

AAV9.LAMP-2B Improves Metabolic and Physiologic Function in Murine and Human In-Vitro Models of Danon Disease

Eric Adler, Emily Gault, Eliza Villarruel, Sherin Hashem, Bradley Nelson, Ana Maria Manso, University of California San Diego, La Jolla, CA, USA

10:10 AM

Question and Answer

10:15 AM

Microvesicles Larger Than 200nm Rescue Cardiomyocytes From Doxorubicin Injury in a Patient-Specific Model of Anthracycline Induced Cardiomyopathy  
Connor O'Brien, Liye Shi, Mehmet Ozgun, Evgeniya Vaskova, Michelle Santoso, Ji Hye Jung, Gentaro Ikeda, Utkan Demirci, Phillip Yang, Stanford University, Stanford, CA, USA

10:25 AM

Question and Answer

### Interventional Cardiology - Moderated Poster Contributions

#### Session #1049

##### Insights in Arterial Interventions You Gotta Know

Monday, March 18, 2019, 9:45 AM - 10:30 AM

Interventional Cardiology Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Beau Michael Hawkins

ACC Poster Moderator: Sahil A. Parikh

9:45 AM

Invasive Hemodynamic Assessment of Patients Presenting With Submassive Pulmonary Embolism

Mili Mehta, Catalin Toma, Lindsey Cilia, Stephen D'Auria, Belinda Rivera-Lebron, Harold Palevsky, William Matthai, Sameer Khandhar, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA, University of Pittsburgh Medical Center, Philadelphia, PA, USA

9:55 AM

Question and Answer

10:00 AM

Drug Coated Balloon Versus Plain Balloon Angioplasty in Femoro-Popliteal Disease: An Updated Meta-Analysis of Randomized Controlled Trials

Mahesh Anantha Narayanan, Samit Shah, Jelani Qurat-ul-Ain, Santiago Garcia, Carlos Mena-Hurtado, University of Minnesota, Minneapolis, MN, USA, Yale New Haven Hospital, New Haven, MN, USA

10:10 AM

Question and Answer

10:15 AM

Outcomes of Thoracic Endovascular Aortic Repair For Acute Uncomplicated Stanford Type-B Aortic Dissection: A Single-Center Experience With 522 Cases

Yi Zhu, Binquan Hu, Songyuan Luo, Huanyu Ding, Yuan Liu, Wenhui Huang, Nianjin Xie, Ling Xue, Jianfang Luo, Department of Cardiology, Vascular Center, Guangdong Cardiovascular Institute, Guangzhou, People's Republic of China

10:25 AM

Question and Answer



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

#### Session #1050

##### Nuclear Cardiology: Advances in Quality Imaging

Monday, March 18, 2019, 9:45 AM - 10:30 AM

Non Invasive Imaging Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Michael Thomas Osborne

ACC Poster Moderator: Albert J. Sinusas

9:45 AM

Multiparametric Input From PET Myocardial Perfusion Imaging Improves

Detection of Left Main and 3-Vessel Coronary Artery Disease

Angiographically: Derivation of 'PET Diagnostic Score'

Firas J. Al Badarin, Poghni Peri-Okonny, Bader Madoukh, Laith Derbas, Mohamed Omer, Ashwath Kumar, Ahmed Elkaryoni, John A. Spertus, Arthur McGhie, Krishna Patel, Brett Sperry, Paul Chan, Timothy Bateman, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA, University of Missouri Kansas City, Kansas City, MO, USA

9:55 AM

Question and Answer

10:00 AM

Suppressing Physiologic 18-Fluorodeoxyglucose Uptake in Patients

Undergoing Positron Emission Tomography For Cardiac Sarcoidosis: The Effect of a Strict Dietary Protocol

Georgios Christopoulos, Hayan Jouni, Gayatri Acharya, Panithaya Chareonthaitawee, Martin Rodriguez-Porcel, Mayo Clinic, Rochester, MN, USA

10:10 AM

Question and Answer

10:15 AM

Getting to the Heart of Nuclear Cardiology in the United States: A First Look at the Image Guide Registry

Joshua B. Elder, Peter Tilkemeier, Joseph A. Ewing, Greenville Health System, Greenville, SC, USA

10:25 AM

Question and Answer

### Non-Certified Industry Events - Learning Destinations

#### Session #4007

##### Transforming Patient Care Delivery with High-Sensitivity Troponin I

Monday, March 18, 2019, 9:45 AM - 10:45 AM

Expo Hall 1967-Indust. Experts1

CME Hours: / CNE Hours:

9:45 AM

Speaker

Christopher R. DeFilippi

Baltimore, MD

9:45 AM

Speaker

Alan Wu

San Francisco, CA

### Non-Certified Industry Events - Learning Destinations

#### Session #4015

##### Exploring A1C and Cardiovascular Safety Data in T2D Therapies

Monday, March 18, 2019, 9:45 AM - 10:45 AM

Expo Hall 2467-Indust. Experts2

CME Hours: / CNE Hours:

9:45 AM

Speaker

Robert J. Chilton

San Antonio, TX

### Non-Certified Industry Events - Learning Destinations

#### Session #4210

##### Kidney Care Protocols in the Cath Lab: Reduce the risk of AKI in high risk patients

Monday, March 18, 2019, 9:45 AM - 10:15 AM

Expo Hall 2519-Innovation Stage

CME Hours: / CNE Hours:

9:45 AM

Osprey Medical

### Non-Certified Industry Events - Learning Destinations

#### Session #4414

##### Future Hub: ACC.19 Innovation Challenge: Digitally Enabled Medical Devices

Monday, March 18, 2019, 9:45 AM - 10:45 AM

Expo Hall 146-Future Hub

CME Hours: / CNE Hours:

Moderator: Regina S. Druz

### Prevention - Moderated Poster Contributions

#### Session #1051

##### Advances in Cardiovascular Therapeutics

Monday, March 18, 2019, 9:45 AM - 10:30 AM

Prevention Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Luis C. Afonso

ACC Poster Moderator: Seth Shay Martin

9:45 AM

The Novel GC-A/cGMP Activating Designer M-Atrial Natriuretic Peptide Potently Reduces Blood Pressure in a Genetic Model of Hypertension and Potentiates the Actions of Furosemide

Nina Dzhovashvili, Seethalakshmi Iyer, Yang Chen, Gerald Harders, Jeson Sangaralingham, Horng Chen, John Burnett, Mayo Clinic, Rochester, MN, USA, Zumbo Discovery, Rochester, MN, USA

9:55 AM

Question and Answer

10:00 AM

Low Density Lipoprotein Cholesterol Reduction and Safety With LIB003, an Anti-Proprotein Convertase Subtilisin/Kexin Type 9 Fusion Protein: Results of a Randomized, Double-Blind, Placebo-Controlled, Single Ascending Dose Study

Evan A. Stein, Traci Turner, Lukasz Biernat, Dessa Dimova, Rong Zhou, Mei Dai, Christopher Daniels, Tracy Mitchell, LIB Therapeutics, Cincinnati, OH, USA, Medpace, Cincinnati, OH, USA

10:10 AM

Question and Answer



10:15 AM

Long-Term Evolocumab Use in Subjects With Homozygous and Severe Heterozygous Familial Hypercholesterolemia: Primary Results of the TAUSSIG Trial

Raul Santos, G. Kees Hovingh, Dirk Blom, Handrean Soran, Gerald Watts, J. Antonio Lopez, Sarah Bray, Christopher Kurtz, Andrew Hamer, Frederick Raal, Amgen Inc., Thousand Oaks, CA, USA

10:25 AM

Question and Answer

### Special - Moderated Poster Contributions

Session #1053

**Foundations in Cardiology Training: Can Better Understanding Make Them Stronger?**

Monday, March 18, 2019, 9:45 AM - 10:30 AM

Spotlight on Special Categories Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Lisa Jeannette Rose-Jones

ACC Poster Moderator: Nicolas Thibodeau-Jarry

9:45 AM

COCATS4 Implementation and Attitudes: Results of the Cardiovascular Program Directors Survey

Gaby Weissman, Alex J. Auseon, Marty Tam, Paul Theriot, Julie Damp, MedStar Washington Hospital Center, Washington, DC, USA, Vanderbilt University Medical Center, Nashville, TN, USA

9:55 AM

Question and Answer

10:00 AM

House of Cards: Implementation of a Formal Peer Mentorship System in an Adult Cardiology Fellowship Program

Jeffrey J. Hsu, Jonathan Flyer, Anna Joong, Adam Small, Stephen Vampola, Eric Yang, Karol Watson, UCLA Medical Center, Los Angeles, CA, USA

10:10 AM

Question and Answer

10:15 AM

A Comparison of Characteristics of US Medical Graduates Versus International Medical Graduates Who Successfully Matched to Cardiovascular Fellowship During the 2017 Interview Cycle

Arnav Kumar, Amir Kazerouninia, Kyoko Miki, Kristin West, Ada Stefanescu Schmidt, Poonam Velagapudi, Chittur A. Sivaram, University of Oklahoma, Oklahoma City, OK, USA

10:25 AM

Question and Answer

### Valvular Heart Disease - Moderated Poster Contributions

Session #1052

**Biomarkers and Valvular Heart Disease**

Monday, March 18, 2019, 9:45 AM - 10:30 AM

Valvular Heart Disease and Vascular Medicine Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Hector I. Michelena

ACC Poster Moderator: Philippe Pibarot

9:45 AM

GDF-15 Is Associated With Functional Capacity & Ventricular Dysfunction in Patients With Moderate to Severe Aortic Stenosis & Preserved Ejection Fraction

Lauren Basmadjian, François Simard, Nadia Bouabdallaoui, Eileen O'Meara, Normand Racine, Michel White, Anique Ducharme, Martin Sirois, Anita Asgar, Reda Ibrahim, Jean-François Dorval, Raoul Bonan, Raymond Cartier, Jessica Forcillo, Ismail El-Hamamsy, Christine Henri, Montreal Heart Institute, Montreal, Canada, University of Montreal, Montreal, Canada

9:55 AM

Question and Answer

10:00 AM

Impact of Lipids and Lipoproteins on Acceleration of Aortic Stenosis: A Meta Analysis and Meta Regression

Navneet Sharma, Prateek Sharma, Ramsey Kalil, Paul Kim, Noelle Mann, Hal Skopicki, Puja Parikh, Stony Brook University, Stony Brook, NY, USA

10:10 AM

Question and Answer

10:15 AM

*IL2 and IL4* Gene Polymorphisms Are Associated with Latent and Clinical Rheumatic Heart Disease: Data From the PROVAR Study

Bruno Ramos Nascimento, Júlia P. A. Santos, Andrea Z. Beaton, Luiz Paulo C. Rocha, Cecília H. R. Pinto, Adriana Diamantino, Breno D. F. Rezende, Clara L. Fraga, Letícia Maria M. Rabelo, Craig Sable, Zilda Maria A. Meira, Maria do Carmo Nunes, Walderez Dutra, Hospital das Clínicas da Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, Children's National Health System, Washington, DC, USA

10:25 AM

Question and Answer

### Vascular Medicine - Gaming

Session #6009

**Engage @ACC.19 Studio: Vascular Innovation Shark Tank**

Monday, March 18, 2019, 9:45 AM - 10:45 AM

Engage@ACC.19 Studio\_Hall F

CME Hours: 1 / CNE Hours: 1

Co-Chair: John Rumsfeld

Co-Chair: Sreekanth Vemulapalli

9:45 AM

Shark Tank Judge

David Harrison

Aiken, SC

9:45 AM

Shark Tank Judge

Kenneth W. Mahaffey

Stanford, CA

9:45 AM

Shark Tank - Pitch 1

Mary M. McDermott

Chicago, IL

9:50 AM

Shark Tank Pitch 1 - Discussion



10:00 AM  
Shark Tank Pitch 2  
Sreekanth Vemulapalli  
Durham, NC

10:05 AM  
Shark Tank Pitch 2 - Discussion

10:15 AM  
Shark Tank Pitch 3  
Connie Ng Hess  
Denver, CO

10:20 AM  
Shark Tank Pitch 3 - Discussion

10:30 AM  
ARS - Shark Tank Winner

**Prevention - Scientific**  
**Session #775**  
**Facts or Alternate Facts: A Case-Based Deep Dive Into the Recently Released Prevention Guidelines**  
**Monday, March 18, 2019, 10:45 AM - 12:15 PM**  
**Room 228**  
**CME Hours: / CNE Hours:**

Co-Chair: Donna Arnett  
Co-Chair: Roger S. Blumenthal  
Panelist: Sidney C. Smith  
Panelist: Amit Khera  
Panelist: Salim S. Virani

10:45 AM  
Case Presentation: It's All About the Risk or Is It?  
Erin D. Michos  
Baltimore, MD

10:50 AM  
Panel Discussion

11:05 AM  
Audience Q&A

11:15 AM  
Case Discussion: Is It All About Sugars or Can We Actually Improve CVD Outcomes in Diabetes?  
Michael D. Miedema  
Minneapolis, MN

11:20 AM  
Panel Discussion

11:35 AM  
Audience Q&A

11:45 AM  
Case Presentation: IIb or Not to Be - Aspirin in ASCVD Prevention  
John W. McEvoy  
Galway, Ireland

11:50 AM  
Panel Discussion

12:05 PM  
Audience Q&A

**Prevention - Scientific**  
**Session #745**  
**The Great Dietary Pattern Debate**  
**Monday, March 18, 2019, 10:45 AM - 12:15 PM**  
**Room 225**  
**CME Hours: 1.5 / CNE Hours: 1.5**

Co-Chair: Andrew M. Freeman  
Co-Chair: Penny Kris-Etherton

10:45 AM  
A Mediterranean Diet and Cardiovascular Health  
Emilio Ros  
Barcelona, Spain

11:00 AM  
A Ketogenic Diet and Cardiovascular Health  
James H. O'Keefe, Jr  
Kansas City, MO

11:15 AM  
A Plant-Based Diet and Cardiovascular Health  
Robert J. Ostfeld  
New York, NY

11:30 AM  
Mediterranean Diet, Rebuttal

11:35 AM  
Ketogenic Diet, Rebuttal

11:40 AM  
Plant Based Diet, Rebuttal

11:45 AM  
Putting It all Together  
Andrew M. Freeman  
Denver, CO

12:00 PM  
Audience Question and Answer

**Pulmonary Hypertension and Venous Thrombo-embolic Disease - Scientific**  
**Session #746**  
**Relieving the Pressure of Pulmonary Arterial Hypertension: Key Takeaways for the General Cardiologist Moving from Vague Symptoms to Ensuring Adequate Treatment Response**  
**Monday, March 18, 2019, 10:45 AM - 12:15 PM**  
**Room 352**  
**CME Hours: 1.5 / CNE Hours: 1.5**

Co-Chair: Christopher Barnett  
Co-Chair: Vallerie V. McLaughlin

10:45 AM  
FIT Case Presentation  
Thomas Cascino  
Ann Arbor, MI

10:50 AM  
High-Risk Clinical Associations and Appropriate Screening  
Dinesh Khanna  
Ann Arbor, MI



11:00 AM

FIT Case Presentation Update (1)

Thomas Cascino

Ann Arbor, MI

11:02 AM

Role of Echo in Diagnosis

Victor Moles

Ann Arbor, MI

11:12 AM

FIT Case Presentation Update (2)

Thomas Cascino

Ann Arbor, MI

11:14 AM

Use of Right Heart Catheterization in Diagnosis of PH

Scott Visovatti

Ann Arbor, MI

11:24 AM

FIT Case Presentation Update (3)

Thomas Cascino

Ann Arbor, MI

11:26 AM

Risk Assessment and Initiation of Treatment

Marc Humbert

Orsay, France

11:36 AM

FIT Case Presentation Update (4)

Thomas Cascino

Ann Arbor, MI

11:38 AM

Follow-Up and Treatment Goals

Oksana Shlobin

Falls Church, VA

11:48 AM

FIT Case Presentation Update (Final)

Thomas Cascino

Ann Arbor, MI

11:50 AM

Panel Discussion and Question & Answer

12:00 PM

ACC-Talk: What are the Implications of the 6th World Symposium for the General Cardiologist?

Richard Channick

Boston, MA

### Special - Late-Breaking Clinical Trials

#### Session #410

#### Late-Breaking Clinical Trials: Interventional

Monday, March 18, 2019, 10:45 AM - 12:00 PM

ACC.19 Main Tent (Great Hall)

CME Hours: 1.25 / CNE Hours: 1.25

Chair: Martin B. Leon

Co-Chair: Athena Poppas

Panelist: Jeffrey S. Berger

Panelist: C. Michael Gibson

Panelist: Christopher D. Nielsen

Panelist: Sunil V. Rao

Panelist: Jacqueline E. Tamis-Holland

10:45 AM

The Safety and Efficacy of Femoral Access versus Radial Access for Primary Percutaneous Coronary Intervention in ST-Elevation Myocardial Infarction

Michel R. Le May, George Wells, Marino Labinaz, Derek Y. So, Chris Glover, Alexander Dick, Michael Froeschl, Aun-Yeong Chong, Jean-Francois Marquis, Benjamin Hibbert, Melissa Blondeau, Christina Osborne, Malek Kass, Vernon Paddock, Ata-Ur-Rehman Quraishi, Andrea MacDougall, University of Ottawa Heart Institute, Ottawa, Canada

10:55 AM

Panel Discussion

11:00 AM

Coronary Angiography after Cardiac Arrest

Jorrit Lemkes, Gladys Janssens, Nina van der Hoeven, L. S. D. Jewbali, Eric Dubois, Martijn Meuwissen, Hans Bosker, Gabe Bleeker, Georgios Vlachojannis, Pim van der Harst, michiel voskuil, Bert Beishuizen, Cyril Camaro, José Henriques, Maarten Vink, A. A. C. M. Heestermans, Thijs Delnoij, Gillian Jessurun, Pranobe Oemrawsingh, Marcel Gosselink, Koos Plomp, Michael Magro, Peter van de Ven, Heleen Oudemans-van Straaten, Niels Van Royen, Amsterdam university medical centre, location VUmc, Amsterdam, The Netherlands

11:10 AM

Panel Discussion

11:15 AM

Efficacy of Ticagrelor vs Clopidogrel After Fibrinolytic Therapy in Patients

With ST-Elevation Myocardial Infarction

Otavio Berwanger, Renato Lopes, Leopoldo Piegas, 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, Francisco A. Fonseca, Lucas P. Damiani, Tamiris Abait, Denise Paisani, Nanci Valeis, Diogo Moia, Oleg Averkov, Christopher B. Granger, Harvey White, Jose Nicolau, Research Institute - HCor, Sao Paulo, Brazil

11:25 AM

Panel Discussion



11:30 AM

One-Month Dual Antiplatelet Therapy Followed by Clopidogrel Monotherapy versus Standard 12-Month Dual Antiplatelet Therapy with Clopidogrel After Drug-Eluting Stent Implantation: STOPDAPT-2 trial.

**Hirotoshi Watanabe**, Takenori Domei, Takeshi Morimoto, Hiroki Shiomi, Masahiro Natsuaki, Toshiaki Toyota, Kensuke Takagi, Yoshiki Hata, Satoru Suwa, Mamoru Nanasato, Masanobu Ohya, Masahiro Yagi, Takafumi Yokomatsu, Mitsuru Abe, Kenji Ando, Kazushige Kadota, Ken Kozuma, Yoshihiro Morino, Yuji Ikari, Kengo Tanabe, Koichi Nakao, Kazuya Kawai, Yoshihisa Nakagawa, Takeshi Kimura, STOPDAPT-2 investigators, Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Kyoto, Japan

11:40 AM

Panel Discussion

11:45 AM

SMART-CHOICE: P2Y12 Inhibitor Monotherapy Versus Dual Antiplatelet Therapy in Patients Undergoing Implantation of Coronary Drug-eluting Stents  
**Joo-Yong Hahn**, Young Bin Song, Ju-Hyeon Oh, Eul-Soon Im, Jin-Ok Jeong, Byung Ryul Cho, Seok Kyu Oh, Deok-Kyu Cho, Jong-Young Lee, Yeong Yeob Koh, Jang-Whan Bae, Taek Kyu Park, Joo Myung Lee, Jeong Hoon Yang, Jin-Ho Choi, Seung-Hyuck Choi, Sang Hoon Lee, Hyeon-Cheol Gwon, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea

11:55 AM

Panel Discussion

### Special - Scientific Session #513

#### 11th ACC Cardiovascular Conference on the Middle East

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 238

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Mouaz H. Al-Mallah

Co-Chair: Patrick T. O'Gara

10:45 AM

Award Presentation to Abstract Award Winner

10:50 AM

The Patient with Risk Factors with No Previous Events: The Clinician Patient Risk Discussion

Ahmed Mahmoud El Amrawy  
Alexandria, Egypt

11:04 AM

Epidemiology of Coronary Artery Disease in the Middle East

Khalid F. AlHabib  
Riyadh, Saudi Arabia

11:18 AM

Aspirin Use of Primary Prevention, Harm or Benefit.  
Elad Asher

Karmey Yosef, Israel

11:32 AM

How to Combat the Smoking Epidemic in the Middle East  
Georges A. Saade  
Beirut, Lebanon

11:46 AM

Is the Polypill the Holy Grail?

Vedat Aytekin

Istanbul, Turkey

12:00 PM

Panel Discussion with Audience Q&A

### Valvular Heart Disease - Scientific Session #514

#### Infective Heart Disease

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 220

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Artur Evangelista Masip

Co-Chair: Victor A. Ferrari

Co-Chair: Karina Auristela Gonzalez Carta

10:45 AM

The Evolving Nature of Infective Endocarditis  
Carmen Olmos  
Madrid, Spain

11:00 AM

Chagas Disease in the US: Trinidad Tobago  
Vicente Jesus Finizola Flores  
Port of Spain, Trinidad and Tobago

11:15 AM

A New Threat to America: Cardiac Involvement on Zika and Chikungunya Infections  
Ivan J. Mendoza  
Coral Gables, FL

11:30 AM

Ineffective Endocarditis on Electronic Devices  
Juan Gomez-Doblas  
Malaga, Spain

11:45 AM

The Role of CT: MRI and Nuclear Medicine Imaging In Patient With Endocarditis  
Aloha Meave  
Mexico City, Mexico

12:00 PM

Panel Discussion with Audience Q&A

### Acute and Stable Ischemic Heart Disease - Scientific Session #515

#### Diabetes: Risk Factor or Cardiovascular Disease?

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 211

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Antonio C. P. Chagas

Co-Chair: Richard A. Chazal

Co-Chair: Mohammed A. Balghith

10:45 AM

Sailing Beyond What the Eyes Can See: The Role of Endothelial Dysfunction in Diabetic Patients  
Ahmed Hamad Aljizeeri  
Alhassa, Saudi Arabia



11:00 AM

The Busy Highway Connection Between Diabetes Mellitus and Cardiomyocytes  
Andrei C. Sposito  
Campinas, Brazil

11:15 AM

What is New in the Era of Cardiac Imaging (Diabetics with CAD)  
Abdulhalim Kinsara  
Jeddah, Saudi Arabia

11:30 AM

Novel Interventional Solutions for Coronary Revascularization in Diabetic Patients  
Alexandre Abizaid  
Nassau, Bahamas

11:45 AM

Secondary Prevention for CAD in Diabetic Patients  
Laurence S. Sperling  
Atlanta, GA

12:00 PM

Panel Discussion with Audience Q&A

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #735

#### Controversies in ACS Guidelines and Actual Care: What the Experts Don't Always Tell You

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 217

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Dipti Itchhaporia

Co-Chair: Pedro R. Moreno

Panelist: David Burke

Panelist: Matthew Cavender

Panelist: Lloyd W. Klein

Panelist: Glenn N. Levine

Panelist: Nathaniel Smilowitz

Panelist: Pieter Smits

10:45 AM

Current ACS Guidelines: Controversies and Unanswered Questions  
Glenn N. Levine  
Pearland, TX

11:00 AM

Case of a Patient With STEMI and Multivessel Disease  
Ankit Chothani  
New York, NY

11:05 AM

Panel Discussion of Case of a Patient With STEMI and Multivessel Disease

11:20 AM

Case of a Patient With NSTEMI Presenting Late on a Friday Night  
Sonia Samtani  
Orange, CA

11:25 AM

Panel Discussion of Case of a Patient With NSTEMI Presenting Late on a Friday Night

11:40 AM

Case of a Patient With STEMI and Cardiac Arrest  
Jose Mariano Tan  
Grand Rapids, MI

11:45 AM

Panel Discussion of Case of a Patient With STEMI and Cardiac Arrest

11:45 AM

Audience ARS Question  
Dipti Itchhaporia  
Newport Beach, CA

### Arrhythmias and Clinical EP - Scientific Session #733

#### Connected and Wearable Technologies for Arrhythmia Management and Detection

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 357

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Mina K. Chung

Co-Chair: Dhanunjaya R. Lakkireddy

10:45 AM

Keynote Presentation: Wearable Technology and Cardiac Applications  
Jennifer N. A. Silva  
Saint Louis, MO

11:00 AM

Question and Answer

11:05 AM

Remote Monitoring - Benefits and Vulnerabilities  
Taya V. Glotzer  
Tenafly, NJ

11:14 AM

Question and Answer

11:19 AM

Apple Heart Study  
Marco Perez  
Palo Alto, CA

11:28 AM

Question and Answer

11:33 AM

Smart Phone Technologies - Practical Uses for Arrhythmia Management  
Khaldoun Tarakji  
Cleveland, OH

11:42 AM

Question and Answer

11:46 AM

Smartphone Apps and Social Media for the Patient and Electrophysiologist  
Rakesh Gopinathannair  
Louisville, KY

11:55 AM

Question and Answer



12:00 PM  
Cybersecurity and CIEDs  
Marwan Refaat  
Beirut, Lebanon

12:09 PM  
Question and Answer

### Arrhythmias and Clinical EP - Scientific Session #734

Learning from Recent Clinical Trials - Perspectives on CABANA,  
CASTLE AF, VEST and ORBITA  
Monday, March 18, 2019, 10:45 AM - 12:15 PM  
Room 355  
CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Anne B. Curtis  
Co-Chair: Ratika Parkash  
Panelist: John M. Mandrola  
Panelist: Milton Packer  
Panelist: Stuart Pocock  
Panelist: Roxana Mehran

10:45 AM  
CABANA  
Douglas L. Packer  
Rochester, MN

10:55 AM  
Panel Discussion with Question and Answer

11:03 AM  
CASTLE AF  
Nassir F. Marrouche  
Salt Lake City, UT

11:13 AM  
Panel Discussion with Question and Answer

11:21 AM  
VEST  
Byron Kwock Lee  
San Francisco, CA

11:31 AM  
Panel Discussion with Question and Answer

11:39 AM  
ORBITA  
Rakesh Al-Lamee  
United Kingdom

11:49 AM  
Panel Discussion with Question and Answer

11:59 AM  
Putting It Into Perspective - Clinical Trial Design and Complex Results  
Daniel B. Mark  
Durham, NC

12:09 PM  
Panel Discussion with Question and Answer

### Congenital Heart Disease - Scientific

Session #736  
Promoting Progress in Congenital Heart Disease: Featuring the Dan G. McNamara Keynote  
Monday, March 18, 2019, 10:45 AM - 12:15 PM  
Room 338  
CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Daniel J. Murphy, Jr  
Co-Chair: Andrew J. Powell

10:45 AM  
Introduction to the Dan G. McNamara Keynote: Gerard R. Martin, MD, FACC  
10:50 AM  
2019 Dan G. McNamara Keynote: Improved Outcomes in Congenital Heart Disease Through Advocacy and Collaboration  
Gerard R. Martin  
Washington, DC

11:20 AM  
Quality Indicators in Adult Congenital Heart Disease  
Ariane Marelli  
Montreal, Canada

11:32 AM  
Humanitarian Outreach in Cardiothoracic Surgery  
Kathy J. Jenkins  
Boston, MA

11:44 AM  
Interview with Dr. Gerard Martin  
Daniel J. Murphy, Jr  
Palo Alto, CA

12:00 PM  
Audience Question and Answer

Heart Failure and Cardiomyopathies - Scientific  
Session #737  
Cardiorenal Syndrome in Heart Failure: Balancing the Needs of the Heart and Kidney  
Monday, March 18, 2019, 10:45 AM - 12:15 PM  
Room La Nouvelle B  
CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: David DeNofrio  
Co-Chair: Jeffrey M. Testani  
Panelist: Maria Rosa Costanzo  
Panelist: Justin Lee Grodin  
Panelist: Sankar Navaneethan  
Panelist: Jayant Raikhelkar  
Panelist: Wai Hong Wilson Tang  
Panelist: Thomas Zelniker

10:45 AM  
What Markers Should I Follow in My Hospitalized Heart Failure Patient: The Nephrologists Perspective  
Sankar Navaneethan  
Houston, TX

10:55 AM  
Question and Answer



10:57 AM	11:15 AM
Teaching Old Dogs new Tricks: Newer Approaches to Use of Diuretics in Heart Failure	mHealth Care: Doctor Smartphone is in today
Wai Hong Wilson Tang	Ambuj Roy
Cleveland, OH	New Delhi, India
11:07 AM	11:30 AM
Challenging Cases With Hospitalized Heart Failure and Cardiorenal Syndrome	Virtual Heart Failure Visits: State of the Evidence and Wave of the Future?
Justin Grodin	Kenneth M. McDonald
Dallas, TX	Co Dublin, Ireland
11:12 AM	11:45 AM
Question and Answer	The use of Digital Health Technology to Generate Evidence and Provide Better Care
	Abhinav Sharma
	Durham, NC
11:14 AM	12:00 PM
Renal Effects of Newer Therapies in Heart Failure: ARNI and SGLT2 Inhibitors	Question and Answer
Thomas Zelniker	
Boston, MA	
11:24 AM	<b>Interventional Cardiology - Scientific Session #741</b>
Question and Answer	<b>LAA Closure: Pre and Post-Procedure Assessment, and PFO: TEE and ICE</b>
11:26 AM	<b>Monday, March 18, 2019, 10:45 AM - 12:15 PM</b>
Devices Aiding Removal of Salt and Water in Heart Failure: Learning From the Past and Looking to the Future	<b>Room 208</b>
Maria Rosa Costanzo	<b>CME Hours: 1.5 / CNE Hours: 1.5</b>
Wheaton, IL	
11:36 AM	Co-Chair: Linda D. Gillam
Question and Answer	Co-Chair: Aaron V. Kaplan
	Panelist: Asma Hussaini
	Panelist: Victor G. Davila-Roman
	Panelist: Michael L. Main
	Panelist: Lissa Sugeng
11:38 AM	10:45 AM
Renal Dysfunction, Mechanical Cardiac Support, and Cardiac Transplantation	Part I: LAA Closure: Pre-Procedure Assessment
Jayant Raikhelkar	
Chicago, IL	
11:48 AM	10:45 AM
Question and Answer	CT Should Be the Gold Standard
	Dee Dee Wang
	Detroit, MI
11:50 AM	10:55 AM
Challenging Cases and Diagnostic Dilemmas	TEE is the Gold Standard... No Reason to Change
Tariq Ahmad	Michael L. Main
New Haven, CT	Kansas City, MO
11:55 AM	11:05 AM
Panel Discussion of Cases	Panel Discussion With Audience Question and Answer
<b>Heart Failure and Cardiomyopathies - Scientific Session #738</b>	
<b>eHeart Failure: Designing, Documenting, Delivering</b>	
<b>Monday, March 18, 2019, 10:45 AM - 12:15 PM</b>	
<b>Room 257</b>	
<b>CME Hours: 1.5 / CNE Hours: 1.5</b>	
Co-Chair: Shelley A. Hall	11:18 AM
Co-Chair: Mintu Turakhia	Inadequate Closure (Leak): What Does It Look Like, When Is it Significant, What Do I Do About
10:45 AM	Linda D. Gillam
Why I Love EMR and How to Make It Worth My Time?	Morristown, NJ
Lee R. Goldberg	
Philadelphia, PA	
11:00 AM	11:28 AM
Doing Research With EMR; Valuable or Worthless?	Device Related Thrombus: What Does it Look Like, When Is it Significant, What Do I Do About
Adrian F. Hernandez	Lissa Sugeng
Durham, NC	New Haven, CT



11:38 AM  
Panel Discussion With Audience Question and Answer

11:51 AM  
Part III: PFO: TEE and ICE

11:51 AM  
High Risk Anatomy: Identifying and Understanding Implications  
Victor G. Davila-Roman  
Olivette, MO

12:01 PM  
Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific Session #742

#### Aortic Valve Interventions: Clinical Dilemmas

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 206

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Anita W. Asgar  
Co-Chair: Chandan M. Devireddy  
Panelist: Wayne B. Batchelor  
Panelist: Ankur Kalra  
Panelist: Michael Querijero  
Panelist: Puja Parikh

10:45 AM  
Part I: Managing Paradoxical Low Flow Low Gradient Aortic Stenosis

10:45 AM  
Evaluation of Paradoxical Low Flow Low Gradient Aortic Stenosis  
Sammy Elmariah  
Newton, MA

10:52 AM  
Case Presentation: Is This Severe AS or Pseudo AS (Echo and CT Imaging)  
Rebecca T. Hahn  
New York, NY

10:59 AM  
Case Discussion With Audience Question and Answer

11:09 AM  
Debate: TAVR Is the Treatment of Choice for PLFLG AS  
Chandan M. Devireddy  
Atlanta, GA

11:16 AM  
Debate: SAVR Is the Treatment of Choice for PLFLG AS  
Jessica Forcillo  
Montreal, Canada

11:23 AM  
Audience Question and Answer

11:33 AM  
Part II: Moderate AS and CHF

11:33 AM  
Case Presentation: Is Moderate AS Contributing to This Patient's CHF?  
Howard C. Herrmann  
Philadelphia, PA

11:41 AM  
Case Discussion With Audience Question and Answer

11:51 AM  
Debate: Medical Treatment Is the Treatment of Choice for ModeRate AS and CHF  
Hasan Jilaihawi  
New York, NY

11:58 AM  
Debate: TAVR Is the Treatment of Choice for ModeRate AS and CHF  
Nicolas M. Van Mieghem  
Rotterdam, Netherlands

12:05 PM  
Audience Question and Answer

### Interventional Cardiology - Scientific Session #743

#### Interventional Heart Failure

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 203

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Srihari S. Naidu  
Co-Chair: Amanda Vest  
Panelist: Kimberly Nelson  
Panelist: Christopher M. O'Connor  
Panelist: Ajay Srivastava  
Panelist: Andrew S. Wechsler

10:45 AM  
Defining the Appropriate Role for Implantable Mechanical Devices to Treat Heart Failure: Where are We Now and Where are We Going?  
Christopher M. O'Connor  
Arlington, VA

10:55 AM  
Panel Discussion With Audience Question and Answer

11:03 AM  
Overview and Update on Interatrial Shunt Devices in Heart Failure  
Amit Segev  
Ramat Gan, Israel

11:13 AM  
Panel Discussion With Audience Question and Answer

11:21 AM  
Interatrial Shunt Devices: Insights From the RELIEVE-HF Study Program  
Josep Rodes-Cabau  
Quebec, Canada

11:31 AM  
Panel Discussion With Audience Question and Answer

11:39 AM  
Transcatheter Ventricular Enhancement: A Viable Option for Nonviable Myocardium?  
Andrew S. Wechsler  
Philadelphia, PA

11:49 AM  
Panel Discussion With Audience Question and Answer



11:57 AM  
Hemodynamic Monitoring Devices in Treating HF: Which Patient and Why?  
William T. Abraham  
Columbus, OH

12:07 PM  
Panel Discussion With Audience Question and Answer

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific**

**Session #512**

**How to Integrate Non-invasive Imaging**

**Monday, March 18, 2019, 10:45 AM - 12:15 PM**

**Room 254**

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

Co-Chair: Erick Alexanderson Rosas  
Co-Chair: Kee-Sik Kim  
Co-Chair: Benny J. Levenson

10:45 AM  
Echocardiography as a Gatekeeper in Clinical Decision Making  
Dae Won Sohn  
Seoul 110-744, Korea, Republic of

11:00 AM  
TEE as a Valuable Tool for Communication between Cardiologists and Stroke Physicians  
Jae-Kwan Song  
Seoul 138-044, Korea, Republic of

11:15 AM  
CT for Structural Heart Disease Interventions  
Stephan Achenbach  
91054 Erlangen, Germany

11:30 AM  
Cardiovascular MR to Guide Therapy of Non-ischemic Heart Disease  
Jeanette Schulz-Menger  
Berlin, Germany

11:45 AM  
Multimodality Imaging  
Christopher M. Kramer  
Charlottesville, VA

12:00 PM  
Panel Discussion with Audience Q&A

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific**

**Session #739**

**Stress Echocardiography Workshop: Beyond Wall Motion - Cases to Remember!**

**Monday, March 18, 2019, 10:45 AM - 12:15 PM**

**Room La Nouvelle C**

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

Co-Chair: Patricia A. Pellikka  
Co-Chair: Roxy Senior

10:45 AM  
Case Review: What Can Contrast Perfusion Add to Stress Echo in 2019?  
Thomas Richard Porter  
Omaha, NE

11:00 AM  
Question and Answer

11:03 AM  
Case Review: What Can 2D Strain Add to Stress Echo in 2019?  
Thomas H. Marwick  
Melbourne VIC, Australia

11:18 AM  
Question and Answer

11:21 AM  
Case Review: Stress Echo in Low-Gradient Aortic Stenosis  
Philippe Pibarot  
Quebec, Canada

11:36 AM  
Question and Answer

11:39 AM  
Case Review: Stress Echo in Valvular Heart Disease - Mitral Regurgitation  
Brian P. Griffin  
Cleveland, OH

11:54 AM  
Question and Answer

11:57 AM  
Case Review: Stress Echo in Valvular Heart Disease - Mitral Stenosis  
Vuyisile Tlhopane Nkomo  
Rochester, MN

12:12 PM  
Question and Answer

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific**

**Session #740**

**Congenital Imaging for the General Cardiologist: A Case-based Discussion**

**Monday, March 18, 2019, 10:45 AM - 12:15 PM**

**Room 244**

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

Co-Chair: Anne Marie Valente  
Co-Chair: Carole A. Warnes  
Panelist: Meryl S. Cohen  
Panelist: Tal Geva  
Panelist: Sabrina D. Phillips  
Panelist: Keri M. Shafer

10:45 AM  
Don't Miss It: How to Detect Common Congenital Findings in a General Adult Echo Lab  
Sabrina D. Phillips  
Jacksonville, FL

11:00 AM  
TEE in Congenital Heart Disease: What to Look For  
Meryl S. Cohen  
Philadelphia, PA

11:15 AM  
Congenital Heart Disease Cases  
William Miranda  
Rochester, MN



11:30 AM

Pulmonary Valve Assessment for the General Cardiologist

Keri Shafer

Boston, MA

11:45 AM

Multi-Modality Imaging in Congenital Heart Disease: The Role of CT and MRI

Tal Geva

Boston, MA

12:00 PM

Panel Discussion

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

Session #812

Core Curriculum: Imaging in Heart Failure Assessment

Monday, March 18, 2019, 10:45 AM - 12:15 PM

Room 343

CME Hours: 1.5 / CNE Hours: 1.5

Chair: Sunil V. Mankad

10:45 AM

HF Assessment: When and How to Strain

Mani A. Vannan

Atlanta, GA

11:05 AM

Utility of CMR in HF Assessment

Patricia K. Nguyen

Menlo Park, CA

11:25 AM

Imaging in Cardio-oncology

Susmita Parashar

Atlanta, GA

11:45 AM

Panel Discussion Moderator

Sunil V. Mankad

Rochester, MN

11:45 AM

Panel Discussion with Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific

Session #6010

Engage @ACC.19 Studio: Get Inspired by the Legends in Cardiovascular Medicine

Monday, March 18, 2019, 11:15 AM - 12:15 PM

Engage@ACC.19 Studio\_Hall F

CME Hours: 1 / CNE Hours: 1

Chair- Interviewer: Dharam J. Kumbhani

Interviewee: Harvey D. White

Interviewee: Richard Kuntz

Interviewee: Michael J. Mack

FIT Interviewer: Alana Lewis

FIT Interviewer: Chetan Huded

FIT Interviewer: Devraj Sukul

### Non-Certified Industry Events - Learning Destinations

Session #4008

Beyond the Shock - Remote Management of Patients with the WCD

Monday, March 18, 2019, 11:30 AM - 12:30 PM

Expo Hall 1967-Indust. Experts1

CME Hours: / CNE Hours:

11:30 AM

Zoll

### Non-Certified Industry Events - Learning Destinations

Session #4016

Expert Insights: Managing Cardiovascular Risk Reduction with VASCEPA® (icosapent ethyl)

Monday, March 18, 2019, 11:30 AM - 12:30 PM

Expo Hall 2467-Indust. Experts2

CME Hours: / CNE Hours:

11:30 AM

Speaker

Matthew J. Budoff

Torrance, CA

11:30 AM

Speaker

R. Preston Mason

Beverly, MA

### Special - Heart 2 Heart Stage

Session #6509

Rise of Intelligent Machines: The Potential of Artificial Intelligence in Cardiovascular Care

Monday, March 18, 2019, 12:00 PM - 12:30 PM

Heart 2 Heart Stage-Lounge & Learn Pavilion\_Hall B

CME Hours: 0.5 / CNE Hours: 0.5

12:00 PM

Rise of Intelligent Machines: The Potential of Artificial Intelligence in Cardiovascular Care

Anthony C. Chang

Orange, CA

12:00 PM

Rise of Intelligent Machines: The Potential of Artificial Intelligence in Cardiovascular Care

Regina S. Druz

Roslyn Heights, NY

12:00 PM

Rise of Intelligent Machines: The Potential of Artificial Intelligence in Cardiovascular Care

Jai Nahar

Washington, DC

12:00 PM

Rise of Intelligent Machines: The Potential of Artificial Intelligence in Cardiovascular Care

James Tcheng

Durham, NC



### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #750

#### Triple-doubles in Clinical Practice: Should "Double Therapy" Replace "Triple therapy" When Anticoagulation and Antiplatelet Therapy are Needed?

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 217

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Dominick J. Angiolillo

Co-Chair: Christopher P. Cannon

12:30 PM

Accruing Evidence for Low-Dose DOACs: From ACS to CAD to AF

C. Michael Gibson

Boston, MA

12:42 PM

Double Vs. Triple Therapy Among Patients Needing Oral Anticoagulation and Dual Antiplatelet Therapy: Insights From Clinical Trials

Deepak L. Bhatt

Newton, MA

12:54 PM

Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention: A North American Perspective

Dominick J. Angiolillo

Jacksonville, FL

1:06 PM

A Pharmacokinetics Primer on DOACs for VTE and AFib

Craig Beavers

Lexington, KY

1:18 PM

The 2019 ACC Expert Consensus Pathways Document on Triple Therapy: The algorithms

Dharam Kumbhani

Dallas, TX

1:30 PM

Panel Discussion and Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #751

#### Cardiac Rehab 2019 and Beyond

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 211

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Alison Bailey

Co-Chair: Kathleen Traynor

12:30 PM

Exercise in the Prevention of Disease

Thijs Eijsvogels

Nijmegen, Netherlands

12:40 PM

More than Exercise: The Case for the Comprehensive Lifestyle Center

Alison Bailey

Chattanooga, TN

12:50 PM

Cardiac Rehab in 2019: How Do We Improve Utilization?

Mary Whooley

San Francisco, CA

1:00 PM

Hybrid Models of Cardiac Rehabilitation

Daniel E. Forman

Pittsburgh, PA

1:10 PM

The Future of Rehab: PAD, Cardio-Oncology, DM, HFpEF

Richard A. Josephson

Cleveland, OH

1:20 PM

Panel Discussion

### Acute and Stable Ischemic Heart Disease - Moderated Poster Contributions

#### Session #1054

#### SCAD, Takotsubo, INOCA, and Everything in Between

Monday, March 18, 2019, 12:30 PM - 1:45 PM

#### Acute and Stable Ischemic Heart Disease Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: John F. Beltrame

ACC Poster Moderator: Kathryn Lindley

12:30 PM

Genotype-First Approach Shows *FOG2/ZFPM2* Is Associated With Coronary Microvascular Disease

Marie Guerraty, Yi-An Ko, Michael Levin, William Haury, Regeneron Regeneron Genetics Center, Scott Damrauer, Daniel Rader, University of Pennsylvania, Philadelphia, PA, USA, Regeneron, Tarrytown, NY, USA

12:40 PM

Question and Answer

12:45 PM

The Importance of Spontaneous Coronary Artery Dissection (SCAD) Specific Care in Reducing Recurrent Events

Francesca Ponzini, Shelly Mishra, Shilpa Sharma, Jessica Duran, Yousef Ghazzawi, Mark Lindsay, Nandita S. Scott, Sarah Tsiaras, Aferdita Spahillari, Malissa Jane Wood, Massachusetts General Hospital, Boston, MA, USA

12:55 PM

Question and Answer

1:00 PM

Spontaneous Coronary Artery Dissection in Patients With a Provisional Diagnosis of Takotsubo Syndrome

Anais Hausvater, Nathaniel Smilowitz, Thara Ali, Dalisa Espinosa, Maria DeFonte, Mark Sherrid, Harmony Reynolds, NYU School of Medicine, New York, NY, USA

1:10 PM

Question and Answer

1:15 PM

Predictive Performance of the InterTAK Score For Diagnosis of Takotsubo Syndrome

Anais Hausvater, Thara Ali, Nathaniel Smilowitz, Boyangzi K. Li, Marissa Alsalam, Caroline Ong, Sachi Patil, Harmony Reynolds, NYU School of Medicine, New York, NY, USA

1:25 PM

Question and Answer



1:30 PM

Hypercontractility in Women With High Resting Coronary Velocity and Low Coronary Flow Reserve: Results From the Women's Ischemia Syndrome Evaluation-Coronary Vascular Dysfunction (WISE-CVD) Project  
**Nissi Sharon Suppogi**, Janet Wei, Michael D. Nelson, Galen Cook-Wiens, Chrisandra Shufelt, Louise Thomson, Balaji Tamarapoo, Daniel Berman, Bruce Samuels, Babak Azarbal, David R. Anderson, John W. Peterson, Carl J. Pepine, C. Noel Bairey Merz, Cedars Sinai, Los Angeles, CA, USA

1:40 PM

Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #749

#### Practical ECGs with the Experts: Hallmarks of High Risk

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 357

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Peter A. Brady

Co-Chair: Zachary D. Goldberger

12:30 PM

Born to Be Bad: How Not to Miss a Clue in Family Member of Patient With SCD  
Mina K. Chung

Shaker Heights, OH

12:40 PM

ECG Presentation

William G. Stevenson  
Nashville, TN

12:45 PM

Question and Answer

12:55 PM

ECG Presentation

Cara Pellegrini  
San Francisco, CA

1:00 PM

Question and Answer

1:10 PM

ECG Presentation

Elizabeth S. Kaufman  
Beachwood, OH

1:15 PM

Question and Answer

1:25 PM

ECG Presentation

Sami Viskin  
Tel Aviv 64239, Israel

1:30 PM

How to Evaluate the ECG in an Athlete

Jordan Prutkin  
Seattle, WA

1:40 PM

Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #749

#### On the Horizon in EP

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 355

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Valentina Kutyifa

Co-Chair: Kristen K. Patton

12:30 PM

Novel Treatments for Ventricular Tachyarrhythmias: Autonomic Modulation  
Marmar Vaseghi  
Beverly Hills, CA

12:37 PM

Question and Answer

12:40 PM

Novel Approaches to Ventricular Tachycardia Ablation  
Jennifer N. A. Silva  
Saint Louis, MO

12:47 PM

Question and Answer

12:50 PM

On the Horizon: Anti-Arrhythmic Drug Therapy  
Alexander Burashnikov  
Wynnewood, PA

12:57 PM

Question and Answer

1:00 PM

On the Horizon in Pacing and Defibrillation  
Petr Neuzil  
Prague, Czech Republic

1:07 PM

Question and Answer

1:10 PM

Left Atrial Occlusion--Where are We Now, Where are We going?  
Dhanunjaya R. Lakkireddy  
Leawood, KS

1:17 PM

Question and Answer

1:20 PM

New Tools and Techniques for Lead Extraction  
Ulrika Birgersdotter-Green  
La Jolla, CA

1:27 PM

Question and Answer

1:30 PM

ACC Talk: EP in the Next Year, Decade, and Century  
Paul J. Wang  
Saratoga, CA

1:40 PM

Question and Answer



### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1055

##### Anticoagulation: Preventing AF-Associated Stroke

Monday, March 18, 2019, 12:30 PM - 1:45 PM

##### Arrhythmias and Clinical EP Moderated Poster Theater\_Poster

Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Roopinder Kaur Sandhu

ACC Poster Moderator: Ru San Tan

12:30 PM

Comparative Effectiveness and Safety of Non-Vitamin K Antagonist Oral Anticoagulants Among Frail Nonvalvular Atrial Fibrillation Patients  
Gregory Y. H. Lip, Allison Keshishian, Amiee Kang, Amol Dhamane, Xuemei Luo, Xiaoyan Li, Neeraja Balachander, Lisa Rosenblatt, Jack Mardekian, Xianying Pan, Manuela Di Fusco, Alessandra Bassalobre Garcia, Huseyin Yuce, Steven Deitelzweig, Bristol-Myers Squibb Company, Lawrenceville, NJ, USA, Pfizer, Inc., New York, NY, USA

12:40 PM

Question and Answer

12:45 PM

Concomitant Use of Direct Oral Anticoagulants and Aspirin For Cardiovascular Disease Prevention in Atrial Fibrillation and Flutter  
Ahmad Said, Scott Keeney, Alexandra Halalau, Beaumont Health, Royal Oak, MI, USA

12:55 PM

Question and Answer

1:00 PM

The Safety of Anticoagulation For Atrial Fibrillation With DOAC Versus Warfarin in Patients With Various Stages of Renal Function  
Amber Makani, Samir Saba, Sandeep Jain, Aditya Bhonsale, Oscar Marroquin, Suresh Mulukutla, UPMC, Pittsburgh, PA, USA

1:10 PM

Question and Answer

1:15 PM

Low Rates of Oral Anticoagulation Use and Poor Outcomes Among Frail Patients Hospitalized With Atrial Fibrillation  
Sean Pokorney, John House, Christopher B. Granger, Elaine Hylek, Mark Alberts, Kevin Anstrom, Peter Berger, Michael Dorsch, Gerald Naccarelli, Kevin Thomas, Robert Zambon, Gregory Fermann, Duke Clinical Research Institute, Durham, NC, USA

1:25 PM

Question and Answer

1:30 PM

Long-Term Treatment With Apixaban of Participants Following Conclusion of AVERROES  
Alexander Benz, John Eikelboom, Salim Yusuf, Stefan Hohnloser, Heather Beresh, Kumar Ramakrishna, Stuart J. Connolly, Population Health Research Institute, Hamilton, Canada

1:40 PM

Question and Answer

### Congenital Heart Disease - Scientific

#### Session #752

##### Practicing Prevention in Pediatric and Adult Congenital Cardiology Clinics

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 338

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Carissa Baker-Smith

Co-Chair: Michael R. Brumund

12:30 PM

Case Presentation: TBD  
Vandana Racherla  
Baltimore, MD

12:35 PM

Cardiac Rehabilitation in Adult Congenital Heart Disease: Indications and Efficacy  
Salil Ginde  
Milwaukee, WI

12:46 PM

Discussion

12:49 PM

Hypertension: New Pediatric Guidelines and the Role of Ambulatory Monitoring and Echocardiography  
Justin Zachariah  
Houston, TX

1:00 PM

Discussion

1:03 PM

Obesity: The Most Effective Weight Loss Interventions for School-age Children  
Mary Alice Younger  
New Orleans, LA

1:14 PM

Discussion

1:17 PM

Hypercholesterolemia: Use of Statins in Children With Repaired Congenital Heart Disease  
Julie Brothers  
Philadelphia, PA

1:28 PM

Discussion

1:31 PM

Vaping: What Every Cardiologist Needs to Know  
Holly R. Middlekauff  
Los Angeles, CA

1:42 PM

Discussion



### Congenital Heart Disease - Moderated Poster Contributions

#### Session #1056

##### Fetal Cardiology: Quickening Discoveries

Monday, March 18, 2019, 12:30 PM - 1:45 PM

##### Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Piers C. A. Barker

ACC Poster Moderator: Rupali Gandhi

12:30 PM

Damaging Genetic Variants in Pro-Angiogenic Genes Impair Growth in Fetuses With Critical Congenital Cardiac Defects

Mark W. Russell, Julie S. Moldenhauer, Jack Rychik, Nancy Burnham, Samuel I. Parry, Rebecca Simmons, Michal Elovitz, Susan Nicolson, Rebecca Linn, Mark P. Johnson, Sunkyung Yu, Matthew Sampson, Hakon Hakonarson, J. William Gaynor, University of Michigan, Ann Arbor, MI, USA, Children's Hospital of Philadelphia, Philadelphia, PA, USA

12:40 PM

Question and Answer

12:45 PM

Fetal Cardiac Intervention in Aortic Stenosis and Aortic Atresia With Severe Mitral Regurgitation: A Report of the International Fetal Cardiac Intervention Registry (IFCIR)

Marco Rodriguez, Betul Yilmaz, Anita Moon-Grady, Aimee Armstrong, Michele Frommelt, Joanna Dangel, Alberto Galindo, Sofia Grinenco, Monique Haak, Ulrike Herberg, Edgar Jaeggi, Adam Kolesnik, Sophie Malekzadeh-Milani, Pablo Marantz, Owen Miller, Dick Oepkes, Carlos Pedra, Simone Pedra, Athar Qureshi, John Simpson, James Strainic, Shaine Morris, for the IFCIR Participants, Baylor College of Medicine, Houston, TX, USA, Texas Children's Hospital, Houston, TX, USA

12:55 PM

Question and Answer

1:00 PM

Identifying Socioeconomic and Geographic Barriers to Prenatal Detection of Hypoplastic Left Heart Syndrome and Transposition of the Great Arteries

Anita N. Krishnan, Marni Jacobs, Aarti Bhat, Anjali Chelliah, Joanne Chiu, Bettina Cuneo, Grace Freire, Lisa Hornberger, Lisa Howley, Nazia Husain, Catherine Ikemba, Ann Kavanaugh-McHugh, Shelby Kutty, Caroline Lee, Keila Lopez, Erik Michelfelder, Shaine Morris, Shabnam Peyvandi, Nelangi Pinto, Rachel Schwartz, Kenan Stern, Carolyn Taylor, Varsha Thakur, Carol Wittlieb-Weber, Mary Donofrio, Children's National Medical Center, Washington, DC, USA

1:10 PM

Question and Answer

1:15 PM

Trends in the Rate of Congenital Heart Defects in Neonates With Down Syndrome

Stephen A. Hart, Deipanjan Nandi, Clifford Cua, Nationwide Children's Hospital, Columbus, OH, USA

1:25 PM

Question and Answer

1:30 PM

Diagnostic Accuracy of Fetal Echocardiography in Major Congenital Heart Disease

Namrita Mozumdar, John Rowland, Hari Rajagopal, Miwa Geiger, Shubhika Srivastava, Kenan Stern, Icahn School of Medicine at Mount Sinai, New York, NY, USA

1:40 PM

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific

#### Session #516

##### Heart Failure: From Guidelines to Real World

Monday, March 18, 2019, 12:30 PM - 1:45 PM

##### Room La Nouvelle B

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Michele Massimo Gulizia

Co-Chair: Srinivas Murali

Co-Chair: Abdullah Shehab

12:30 PM

International Guidelines: Heart Failure EF-based Classification is Still Applicable for HFmrEF

Stefano Urbinati

Bologna, Italy

12:42 PM

HFmrEF Patient in Clinical Stability at Discharge: How to Evaluate It?

Ciro Indolfi

Catanzaro, Italy

12:54 PM

Advanced HFrEF Solutions: The Value of Cross-Border Collaboration to Establish Successful Heart Transplant Programs

Gurjot Bajwa

Abu Dhabi, United Arab Emirates

1:06 PM

Enhancing the Role of Nurses in the Management of HF in Developing Countries - Real World Data from UAE

Feras Bader

Abu Dhabi, United Arab Emirates

1:18 PM

Model for Heart Failure Management

Susan Joseph

Dallas, TX

1:30 PM

Panel Discussion with Audience Q&A

### Heart Failure and Cardiomyopathies - Scientific

#### Session #753

##### Being Mortal: End of Life Care For Patients With Heart Failure

Monday, March 18, 2019, 12:30 PM - 1:45 PM

##### Room 257

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Caroline Lloyd Doherty

Co-Chair: Savitri E. Fedson

12:30 PM

The Evidence and Critical Need for Palliative Care Interventions

Joseph G. Rogers

Durham, NC



12:40 PM

Case Presentation: Palliative Care and the Patient and Provider Perspective

Shelley Thompson

Durham, NC

12:45 PM

Building a Palliative Care Skill Set: Resources You Need and the PINNACLE Toolkit

Elin Gafford

Columbus, OH

12:55 PM

Management of HF in Hospice: How to Manage Advanced Heart Failure

Colleen McIvennan

Denver, CO

1:05 PM

Case Presentation: Managing a Patient With Cardiac Devices at the End of Life

Esther Pak

North Wales, PA

1:08 PM

Palliative Care in the Era of Cardiac Devices: TAVR, VADs, ICDs

James N. Kirkpatrick

Lake Forest Park, WA

1:18 PM

Advance Directives, Prognostication and Transition to Palliative Care With My Patient

Sarah Goodlin

Portland, OR

1:28 PM

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific

#### Session #754

#### Careers in Heart Failure and Transplant Symposium

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 254

CME Hours: 0 / CNE Hours: 0

Co-Chair: Biyikem Bozkurt

Co-Chair: Shashank S. Sinha

12:30 PM

Advanced Heart Failure and Transplant Physician: Past, Present and Future

Lynne Warner Stevenson

Nashville, TN

12:40 PM

Developing a Career in Heart Failure From the CVT Perspective

Jo Rodgers

Chapel Hill, NC

12:50 PM

Can You Have It all - Clinician, Educator, Researcher and Administrator?

Thomas P. Cappola

Philadelphia, PA

1:00 PM

A Career in Heart Failure - Thinking Outside the Box and Achieving Balance

Mariell Jessup

Hingham, MA

1:10 PM

Heart Failure in the Community: Building a Practice

Sarah Paul

Hickory, NC

1:20 PM

If I Had Only Known: Early Lessons Learned

Adam DeVore

Durham, NC

1:30 PM

Panel Discussion With Audience Question and Answer

### Heart Failure and Cardiomyopathies - Moderated Poster Contributions

#### Session #1057

#### Heart Failure and Cardiomyopathies: Latest Discoveries in Basic, Translational, and Clinical Science

Monday, March 18, 2019, 12:30 PM - 1:45 PM

#### Heart Failure and Cardiomyopathies Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: David E. Lanfear

ACC Poster Moderator: Myung H. Park

12:30 PM

Machine Learning Algorithm Using 8 Commonly Acquired Clinical Variables Accurately Predicts Mortality in Heart Failure

Eric Adler, Adriaan Voors, Liviu Klein, Fima Macheret, Iziah Sama, Oscar Braun, Marcus Urey, Wenhong Zhu, Matevz Tadel, Claudio Campagnari, Barry Greenberg, Avi Yagil, University of California San Diego, La Jolla, CA, USA

12:40 PM

Question and Answer

12:45 PM

Deep Phenotyping and Prediction of Long-Term Heart Failure by Machine Learning

Xiaodong Zhuang, Xiuting Sun, Xiangbin Zhong, Huimin Zhou, Shaozhao Zhang, Xinxue Liao, Cardiology Department, First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, People's Republic of China

12:55 PM

Question and Answer

1:00 PM

Effect of Omecamtiv Mecarbil in Patients With Atrial Fibrillation and Heart Failure With Reduced Ejection Fraction: Results From COSMIC-HF

John R. Teerlink, G. Michael Felker, John McMurray, Scott Solomon, John Cleland, Steven Goldsmith, Christopher Kurtz, Gustavo Buchele, Jason Legg, Fady Malik, Narimon Honarpour, COSMIC-HF Investigators, San Francisco Veterans Affairs Medical Center/UCSF, San Francisco, CA, USA

1:10 PM

Question and Answer

1:15 PM

Ultrasound Targeted Delivery of Exosomes Secreted From CXCR4 Overexpressing Adipose Mesenchymal Stem Cell Promote Endogenous Repair After Myocardial Infarction

Qing Deng, Yi-Jia Wang, Dan Jia, Sikai Chen, Yuan-Ting Yang, Qing Zhou, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

1:25 PM

Question and Answer



1:30 PM

Natural O-Glycans on Atrial Natriuretic Peptide Attenuate the Acute Renal and Cardiovascular Actions *in vivo*  
**Lasse Hansen**, Yang Chen, Dzhoyashvili Nina, Gerald Harders, Jeson Sangaralingham, Thomas Madsen, Henrik Clausen, Jens Rehfeld, Katrine Schjoldager, John Burnett, Jens Goetze, Mayo Clinic, Rochester, MN, USA, Rigshospitalet and Copenhagen Center for Glycomics, Copenhagen, Denmark

1:40 PM

Question and Answer

### Interventional Cardiology - Scientific

#### Session #756

#### Highlights in Non-valvular Structural Intervention

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 208

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Uzoma N. Ibebuogu

Co-Chair: Matthew J. Price

Panelist: Roseanne Palmer

Panelist: John D. Carroll

Panelist: Vivek Yerrapu Reddy

Panelist: Lars Sondergaard

12:30 PM

Defining the Role of LAA Closure for Stroke Prevention in Atrial Fibrillation  
Josep Rodes-Cabau  
Quebec, Canada

12:40 PM

Panel Discussion With Audience Question and Answer

12:47 PM

Iatrogenic ASD Devices for Heart Failure: Proof of Principle and Potential Impact on Patient Care  
Sanjiv Jayendra Shah  
Chicago, IL

12:57 PM

Panel Discussion With Audience Question and Answer

1:04 PM

PFO Closure for Cryptogenic Stroke: Synthesis of the Data and its Application to Clinical Practice  
Richard A. Krasuski  
Chapel Hill, NC

1:14 PM

Panel Discussion With Audience Question and Answer

1:21 PM

ASDs, VSDs, ParaValvular Leak: Device First, Not Surgery?  
Charanjit S. Rihal  
Rochester, MN

1:31 PM

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #757

#### Complex Angioplasty: Controversies in Procedural Decision Making

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 206

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Shaoliang Chen

Co-Chair: Syed Tanveer Rab

Panelist: Donald E. Cutlip

Panelist: John J. Lopez

Panelist: Anand Prasad

Panelist: Alan C. Yeung

12:30 PM

Case Presentation

Syed Tanveer Rab

Duluth, GA

12:31 PM

Cardiac Arrest With Cardiogenic Shock- D2B PCI Then Impella  
Alexander Truesdell  
McLean, VA

12:36 PM

Cardiac Arrest With Cardiogenic Shock- DTU Impella First, Then PCI  
Perwaiz Meraj  
Oyster Bay Cove, NY

12:41 PM

Panel Discussion With Audience Question and Answer

12:49 PM

Case Presentation

Shaoliang Chen

Nanjing Jiangsu, China

12:50 PM

STEMI With Shock-I Will Treat all Lesions  
Michele Doughty Voeltz  
Detroit, MI

12:55 PM

STEMI With Shock-Treat Culprit Lesion Only  
Jacqueline Tamis Holland  
NYC, NY

1:00 PM

Panel Discussion With Audience Question and Answer

1:07 PM

Case Presentation

Syed Tanveer Rab

Duluth, GA

1:08 PM

Left Main Bifurcation Lesion-Provisional Stenting Will Work  
Yves Louvard  
Massy, France

1:13 PM

Left Main Bifurcation Lesion-No, DK Crush Will Give a Durable Result  
Shaoliang Chen  
Nanjing Jiangsu, China



1:18 PM  
Panel Discussion With Audience Question and Answer

1:26 PM  
Case Presentation  
Shaoliang Chen  
Nanjing Jiangsu, China

1:27 PM  
Long Calcified LAD Lesion-Rotational Atherectomy Will Do  
Samin K. Sharma  
New York, NY

1:32 PM  
Long Calcified LAD lesion-Orbital Atherectomy is Better  
Gautam Kumar  
Atlanta, GA

1:37 PM  
Panel Discussion With Audience Question and Answer

**Interventional Cardiology - Scientific Session #758**  
**Updates in Structural Interventional Cardiology for the CV Team**  
Monday, March 18, 2019, 12:30 PM - 1:45 PM  
Room 203  
CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Kimberly Guibone  
Co-Chair: Patricia Keegan  
Panelist: Sarah Clarke  
Panelist: Christopher Meduri  
Panelist: Tom C. Nguyen  
Panelist: Jeffrey J. Popma

12:30 PM  
Treating the "Forgotten Valve" - Transcatheter Tricuspid Options  
Christopher Meduri  
Atlanta, GA

12:38 PM  
Panel Discussion With Audience Question and Answer

12:42 PM  
Fred Sanford has AS... Now What Elizabeth? Access to TAVR  
Aaron Horne, Jr  
Dallas, TX

12:50 PM  
Panel Discussion With Audience Question and Answer

12:54 PM  
TAVR Next day Discharge - Who, How, and Why?  
Sandra Lauck  
Vancouver, Canada

1:02 PM  
Panel Discussion With Audience Question and Answer

1:06 PM  
Getting it Done - Staffing the Structural Heart and Valve Center: The Roles of  
Cardiovascular Team Professionals  
Elizabeth Perpetua  
Escondido, CA

1:14 PM  
Panel Discussion With Audience Question and Answer

1:18 PM  
Structural Valve Degeneration - Says Who? Definition and Recommendations  
A. Pieter Kappetein  
3000 CA Rotterdam, Netherlands

1:26 PM  
Panel Discussion With Audience Question and Answer

1:30 PM  
TVT Registry - Friend of Foe? Future Implications  
Joan Michaels  
Washington, DC

1:38 PM  
Panel Discussion With Audience Question and Answer

**Interventional Cardiology - Moderated Poster Contributions Session #1058**  
**Polygamy of Polymers and Stents: Reconciling Differences in Outcomes**  
Monday, March 18, 2019, 12:30 PM - 1:45 PM  
Interventional Cardiology Moderated Poster Theater\_Poster Hall\_Hall F  
CME Hours: / CNE Hours:

ACC Poster Moderator: M. Chadi Alraies  
ACC Poster Moderator: John Thomas Saxon

12:30 PM  
Left Main- and Non-Left Main-Related Events After Revascularization:  
Insights From the EXCEL Trial  
Akiko Fujino, Akiko Maehara, Masaru Ishida, Ioanna Kosmidou, Gary Mintz, Patrick W. Serruys, Arie P. Kappetein, John Puskas, David Kandzari, Ori Ben-Yefuda, Ovidiu Dressler, Marie C. Morice, David Taggart, Bela Merkely, Ferenc Horkay, Joseph Sabik, Gregg Stone, Columbia University Medical Center/Cardiovascular Research Foundation, New York, NY, USA

12:40 PM  
Question and Answer

12:45 PM  
Very Long-Term Clinical Outcomes Following Implantation of Biodegradable Polymer Versus Durable Polymer Drug-Eluting Stent: A Systematic Review and Meta-Analysis  
Satoshi Suzuki, Yohei Sotomi, Pannipa Suwannsom, Tomoaki Kobayashi, Atsushi Hirayama, Yoshiharu Higuchi, Osaka Police Hospital, Osaka, Japan

12:55 PM  
Question and Answer

1:00 PM  
Safety and Efficacy of the Bioabsorbable Polymer Everolimus Eluting Stents Compared to the 2<sup>nd</sup> Generation Durable Polymer Everolimus Eluting Stents in Complex Coronary Lesions  
Natraj Katta, Usman Baber, Nitin Barman, Asaad Khan, Joseph Sweeny, Neil Patel, Ruchir Patel, Choudhury Hasan, Roxana Mehran, Samin Sharma, Annapoorna Kini, Icahn School of Medicine at Mount Sinai, New York, NY, USA

1:10 PM  
Question and Answer



1:15 PM

An Updated Meta-Analysis Comparing New Generation Drug-Eluting Stents to Bare Metal Stents With a Single Month of Dual Antiplatelet Therapy  
Rahman Shah, Babar Khan, Khalid Najib, Kirstin Hesterberg, Aranyak Rawal, Samuel Latham, UTHSC, Memphis, TN, USA, VA Hospital, Memphis, TN, USA

1:25 PM

Question and Answer

1:30 PM

A Meta-Analysis of Randomized Trials Comparing Long-Term (5-Year) Safety and Efficacy of Biodegradable Polymer Drug-Eluting Stents With New Generation Durable Polymer Drug-Eluting Stents  
Khalid Najib, Farhan Ashraf, Babar Khan, Aranyak Rawal, Rahman Shah, University of Tennessee Health Science Center, Memphis, TN, USA

1:40 PM

Question and Answer

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

Session #755

#### Comprehensive Echocardiographic Assessment of Valvular Heart Disease

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 244

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Catherine M. Otto

Co-Chair: William A. Zoghbi

12:30 PM

Aortic Stenosis: Make the Right Measurements  
Smadar Kort  
Stony Brook, NY

12:42 PM

Aortic Regurgitation: How Leaking Is too Leaky?  
Salvatore P. Costa  
Lebanon, NH

12:54 PM

Mitral Regurgitation: PISA and Beyond  
Maurice Enriquez-Sarano  
Rochester, MN

1:06 PM

Mitral Stenosis: Quantification and Treatment Implications  
Jeffrey Benjamin Geske  
Rochester, MN

1:18 PM

Comprehensive Assessment of Tricuspid Regurgitation  
Judy W. Hung  
Boston, MA

1:30 PM

Question and Answer

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

Session #1059

#### Advances in Cardiac MRI

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Non Invasive Imaging Moderated Poster Theater\_Poster Hall\_Hall F  
CME Hours: / CNE Hours:

ACC Poster Moderator: Colin Berry

ACC Poster Moderator: Gaby Weissman

12:30 PM

The Effect of Abdominal Obesity on Cardiovascular Function and Disease: A Population Based Magnetic Resonance Imaging Study of the UK Biobank  
Max Johan Pieter Van Hout, Ilona A. Dekkers, Jos J. M. Westenberg, Martin Schalij, Arthur Scholte, Hildo Lamb, LUMC, Leiden, The Netherlands

12:40 PM

Question and Answer

12:45 PM

Prognostic Implications of Blunted Feature Tracking Global Longitudinal Strain During Cardiovascular Magnetic Resonance (CMR) Stress Imaging  
Ben Romer, Simone Romano, Kaleigh Evans, Michael Trybula, Afshin Farzaneh-Far, University of Illinois, Chicago, IL, USA, University of Verona, Verona, Italy

12:55 PM

Question and Answer

1:00 PM

Dynamic Cardiac Magnetic Resonance Fingerprinting: Phantom Validation and First Application During Vasoactive Breathing Manoeuvres  
Luuk Hopman, Elizabeth Hillier, Yuchi Liu, Jesse Hamilton, Nicole Seiberlich, Matthias Friedrich, Research Institute of the McGill University Health Centre, Montreal, Canada, Case Western Reserve University, Cleveland, OH, USA

1:10 PM

Question and Answer

1:15 PM

Regional Replacement and Diffuse Interstitial Left Ventricular Fibrosis in Chronic Aortic Valve Regurgitation Assessed by Cardiac Magnetic Resonance  
Dany Debs, Alpana Senapati, Maan Malahfji, Eric Yang, Dipan Shah, Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

1:25 PM

Question and Answer

1:30 PM

Pre-Ablation Left Atrial Function and Fibrosis Predicts Atrial Fibrillation Recurrence: Cardiac Magnetic Resonance Study  
Ibová Čsecšová, Takanori Yamaguchi, Mobin Kheirkhahan, David Peritz, Alan Morris, Eugene Kholmovski, Gagandeep Kaur, Boston Loveless, Benjamin Hardisty, Bela Merkely, Brent Wilson, Nassir Marrouche, Comprehensive Arrhythmia Research & Management Center, Salt Lake City, UT, USA

1:40 PM

Question and Answer



### Non-Certified Industry Events - Learning Destinations

#### Session #4211

##### Hyperkalemia and RAASi Therapy: Walking the Fine Line

Monday, March 18, 2019, 12:30 PM - 1:00 PM

Expo Hall 2519-Innovation Stage

CME Hours: / CNE Hours:

12:30 PM

Speaker

Peter A. McCullough

Dallas, TX

### Prevention - Scientific

#### Session #759

##### The Devil Is in the Details: A Case-Based Discussion on Cholesterol Guidelines

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 228

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Sidney C. Smith, Jr

Co-Chair: Neil J. Stone

Panelist: Kim K. Birtcher

Panelist: Roger S. Blumenthal

Panelist: Donald M. Lloyd-Jones

Panelist: Carl E. Orringer

12:30 PM

Case Presentation: Does My Patient Have Intermediate Risk or Indeterminate Risk: What Should We Do Next?

Payal Kohli

San Francisco, CA

12:38 PM

Panel Discussion

12:48 PM

My Patient's 10- Year ASCVD Risk is 6% is There Anything Else in the History That I Need to Ask?

Parag Joshi

Dallas, TX

12:56 PM

Panel Discussion

1:06 PM

My ASCVD Patient's LDL-C is 80 mg/dL. Should I Use A PCSK9 Inhibitor?

Anurag Mehta

Atlanta, GA

1:14 PM

Panel Discussion

1:24 PM

Audience Question and Answer

### Prevention - Scientific

#### Session #760

##### Beyond the New Hypertension Guidelines: Understanding & Implementing in Current Practice

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 225

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Marcus Vinicius Bolivar Malachias

Co-Chair: Nanette Kass Wenger

12:30 PM

Executive Summary: What Has Changed

Tyler J. Gluckman

Portland, OR

12:37 PM

What's Lifestyle Got to Do With It? How Diet, Exercise & Stress Matter

Kim Allan Williams, SR

Chicago, IL

12:45 PM

Practical Treatment Approaches in Common Situations

Eugene Yang

Bellevue, WA

12:53 PM

Practical Treatment Approaches in Uncommon Situations

William C. Cushman

Memphis, TN

1:01 PM

Debate, Pro: We Should Have Left it Alone: JNC7 Was Just Fine

Tyler J. Gluckman

Portland, OR

1:11 PM

Debate, Con: we Should Have Left it Alone: JNC7 was Just Fine

Donald E. Casey, Jr

Chicago, IL

1:21 PM

Ask the Experts – Audience Question and Answer

1:26 PM

Rebuttal, Pro

1:31 PM

Rebuttal, Con

### Prevention - Moderated Poster Contributions

#### Session #1060

##### Novel Risk Markers and Cardiovascular Disease Events

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Prevention Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Sergio Fazio

ACC Poster Moderator: Michael Blaha

12:30 PM

Rare Protein-Truncating Variants in APOB Associate With Lower Low-Density Lipoprotein Cholesterol, Lower Triglycerides, and Reduced Risk of Coronary Heart Disease

Akihiro Nomura, Gina Peloso, Amit V. Khera, Mark Chaffin, Hong-Hee Won, Atsushi Nohara, Masa-Aki Kawashiri, Hayato Tada, Myocardial Infarction Genetics Consortium, DiscovEHR Study Group, Frederick Dewey, Sekar Kathiresan, Broad Institute, Boston, MA, USA, Kanazawa University, Kanazawa, Japan

12:40 PM

Question and Answer



12:45 PM

Risks of Incident Cardiovascular Disease Associated With Concomitant Elevations in Lipoprotein(a) and Low-Density Lipoprotein Cholesterol: The Framingham Heart Study

**Mehdi Afshar**, Jian Rong, Yang Zhan, Hao Yu Chen, James Engert, Allan Sniderman, Martin Larson, Vasan Ramachandran, George Thanassoulis, McGill University, Montreal, Canada, Framingham Heart Study, Framingham, MA, USA

12:55 PM

Question and Answer

1:00 PM

Lipoprotein(a) Protein Concentration and Apolipoprotein(a) Kringle IV Isoforms Among Black US Adults With and Without PCSK9 Loss-of-Function Variants

**Matthew Mefford**, Santica Marcovina, Vera Bittner, Mary Cushman, Todd Brown, Michael Farkouh, Keri Monda, J. Antonio Lopez, Paul Muntner, Robert Rosenson, University of Alabama at Birmingham, Birmingham, AL, USA

1:10 PM

Question and Answer

1:15 PM

Increased Residual Cardiovascular Risk in US Veterans and Moderately-Elevated Baseline Triglycerides and Well-Controlled LDL-C Levels on Statins  
Sarah Leatherman, Ryan Ferguson, Isabelle Weir, Cynthia Hau, Craig Granowitz, Kelly Harrington, Sephy Philip, Peter Toth, Deepak L. Bhatt, **William Boden**, VA Boston Healthcare System, Boston, MA, USA, Amarin Corporation, Bedminster, NJ, USA

1:25 PM

Question and Answer

1:30 PM

Association of Serum Lipoprotein (a) Levels and Coronary Atheroma Volume by Intravascular Ultrasound  
**Chetan Huded**, Rishi Puri, Stephen Nicholls, Kathy Wolski, Steven Nissen, Leslie Cho, Cleveland Clinic, Cleveland, OH, USA

1:40 PM

Question and Answer

### Special - Special

Session #411

Best of JACC Journals and Eugene Braunwald Keynote

Monday, March 18, 2019, 12:30 PM - 1:45 PM

ACC.19 Main Tent (Great Hall)

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Valentin Fuster

Co-Chair: David J. Moliterno

12:30 PM

Best of JACC 2018

Valentin Fuster

New York, NY

12:37 PM

Best of JACC: Interventions 2018

David J. Moliterno

Lexington, KY

12:44 PM

Best of JACC: Imaging 2018

Y. S. Chandrashekhar

Minneapolis, MN

12:51 PM

Best of JACC: Heart Failure 2018

Christopher M. O'Connor

Arlington, VA

12:58 PM

Best of JACC: Electrophysiology 2018

David J. Wilber

Maywood, IL

1:05 PM

Best of JACC: Basic to Translational Science 2018

Douglas L. Mann

Saint Louis, MO

1:12 PM

Introduction of Eugene Braunwald Lecturer: Paul J. Ridker, MD, FACC

Valentin Fuster

New York, NY

1:15 PM

Braunwald Keynote: 100 Years from CRP to Anti-Cytokine Therapy for Atherosclerosis

Paul M. Ridker

Boston, MA

1:35 PM

Panel Discussion with Audience Question and Answer

### Special - Late-Breaking Clinical Trials

Session #412

Deep Dive II

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room La Nouvelle C

CME Hours: 1.25 / CNE Hours: 1.25

Co-Chair: Christopher B. Granger

Co-Chair: Judith S. Hochman

Co-Chair: Michelle L. O'Donoghue

12:30 PM

Comparison of Three Combination Therapies in Lowering Blood Pressure in Black Africans (CREOLE Study)

Dike Ojji

Gwagwalada-Abuja, Nigeria

12:35 PM

Discussant

Olugbenga Ogedegbe

New York, NY

12:40 PM

Discussion

12:45 PM

Primary Results of the Intensive versus Standard Ambulatory Blood Pressure Lowering to Lessen Functional Decline in the Elderly Trial (INFINITY)

William B. White

Farmington, CT



12:50 PM	12:43 PM
Discussant	Operating Successfully in a NextGen ACO and a Direct Employer Model
Sripal Bangalore	Akshay K. Khandelwal
New York, NY	Detroit, MI
12:55 PM	12:56 PM
Discussion	Operating Successfully in a Medicare Shared Savings Plan ACO
	William Borden
1:00 PM	Washington, DC
Effect of Dapagliflozin on Heart Failure and Mortality in Type 2 Diabetes	
Mellitus Based on Ejection Fraction	
Eri T. Kato	
Tokyo, Japan	
1:05 PM	1:09 PM
Discussant	Operating Successfully in BPCI-advanced
Jacob A. Udell	Cathleen Biga
Toronto, Canada	Woodridge, IL
1:10 PM	1:22 PM
Discussion	Panel Discussion and Question/Answer
1:15 PM	
Coronary Angiography after Cardiac Arrest	<b>Special - Moderated Poster Contributions</b>
Jorrit Lemkes	<b>Session #1062</b>
Haarlem, Netherlands	<b>Adult Congenital and Pediatric Cardiology: I Was Born This Way</b>
1:20 PM	<b>Monday, March 18, 2019, 12:30 PM - 1:45 PM</b>
Discussant	<b>Spotlight on Special Categories Moderated Poster Theater_Poster</b>
Thomas Rea	<b>Hall_Hall F</b>
Seattle, WA	<b>CME Hours: / CNE Hours:</b>
1:25 PM	ACC Poster Moderator: Aimee K. Armstrong
Discussion	ACC Poster Moderator: Ami B. Bhatt
1:30 PM	12:30 PM
Reduction in Total Ischemic Events with Icosapent Ethyl in REDUCE-IT	Transthoracic Transcatheter Approach For the Exclusion of a
Deepak L. Bhatt	Pseudoaneurysm in a Fontan Patient
Newton, MA	Xingchen Mai, Nicole Perry, Michael Argilla, Puneet Bhatla, Ralph Mosca, Hannah Tredway, Dan Halpern, New York University, New York, NY, USA
1:35 PM	12:40 PM
Discussant	Question and Answer
Stuart J. Pocock	
London, United Kingdom	
1:40 PM	12:45 PM
Discussion	Multimodality Approach in the Diagnosis of Double-Chambered Right Ventricle in an Adult
	Natalie Szpakowski, Joshua Saef, Joanna Ghobrial, Deborah Kwon, Cleveland Clinic Foundation, Cleveland, OH, USA
<b>Special - Scientific</b>	
<b>Session #761</b>	
<b>Succeeding in Alternative Payment Models</b>	
<b>Monday, March 18, 2019, 12:30 PM - 1:45 PM</b>	
<b>Room 352</b>	
<b>CME Hours: 1.25 / CNE Hours: 1.25</b>	
Co-Chair: Linda D. Gillam	1:00 PM
Co-Chair: Paul N. Casale	Beyond Scimitar Syndrome: A Unique Combination of Complex Congenital Heart Disease
12:30 PM	Kelly Paschke, Mouin Abdallah, James Gentry, Serge Harb, Joanna Ghobrial, Hani Najm, David Majdalany, Cleveland Clinic Foundation, Cleveland, OH, USA
Operating Successfully in the Maryland State Model	
Scott Berkowitz	
Baltimore, MD	
1:10 PM	1:15 PM
Question and Answer	The Elephant in the Conduit: Bacteremia in a Patient With Tetralogy of Fallot and a Transcatheter Pulmonary Valve Replacement
	Ada C. Stefanescu Schmidt, Nicola Maschietto, Sitaram Emani, Disty Pearson, William Kerr, James H. Maguire, Michael Landzberg, Boston Children's Hospital, Boston, MA, USA, Brigham and Women's Hospital, Boston, MA, USA
1:25 PM	
Question and Answer	



1:30 PM  
Prominent Eustachian Valve and Atrial Septal Defect Presenting With Chronic Cyanosis in a Teenager  
**Daphney Kernizan**, Amr Matoq, Rami M. Kharouf, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE, USA

1:40 PM  
Question and Answer

### Valvular Heart Disease - Scientific

#### Session #762

#### Pitfalls in Valve Intervention

**Monday, March 18, 2019, 12:30 PM - 1:45 PM**

**Room 220**

**CME Hours: 1.25 / CNE Hours: 1.25**

Co-Chair: Adnan Chhatriwalla  
Co-Chair: Paul Sorajja

12:30 PM  
TAVR Thrombosis: A Real Problem for Your Practice?  
**Santiago Garcia**  
Minneapolis, MN

12:40 PM  
Patient Prosthesis Mismatch in Surgical and Transcatheter Valve Therapy  
**Adnan Chhatriwalla**  
Kansas City, MO

12:50 PM  
Mechanical Prostheses are Still Relevant: Who Deserves Them?  
**Michael J. Mack**  
Plano, TX

1:00 PM  
Why Does a Patient get Mitral Replacement Instead of Repair?  
**Gorav Ailawadi**  
Charlottesville, VA

1:10 PM  
Low-risk Management of Mechanical Valve Thrombosis  
**Sorin Pislaru**  
Rochester, MN

1:20 PM  
Transcatheter vs. Surgical Prosthetic Valve Durability in 2019  
**Alan Zajarias**  
Saint Louis, MO

1:30 PM  
Question and Answer

### Vascular Medicine - Scientific

#### Session #763

#### Ambulation to Rivaroxaban: Branching Outside the Coronaries

**Monday, March 18, 2019, 12:30 PM - 1:45 PM**

**Room 238**

**CME Hours: 1.25 / CNE Hours: 1.25**

Co-Chair: Naomi Hamburg  
Co-Chair: William R. Hiatt

12:30 PM  
A Patient With Claudication and Diabetes  
**Stanislav Henkin**  
Lebanon, NH

12:35 PM  
PAD: A Patient Perspective  
TBD  
Washington, DC

12:40 PM  
How to Start a PAD Supervised Exercise Therapy Program  
**Diane Treat-Jacobson**  
Minneapolis, MN

12:47 PM  
Anti-Thrombotic Strategies in PAD  
**William R. Hiatt**  
Aurora, CO

12:54 PM  
Panel Discussion - Exercise Therapy in PAD - Opportunities and Practical Tips

Panelist: Tracie C. Collins  
Panelist: Mary M. McDermott  
Panelist: Donna M. Polk  
Panelist: Diane Treat-Jacobson

1:04 PM  
Panel Discussion - Tailoring Antithrombotic Therapy - Which Treatment for Which Patient

Panelist: Connie Ng Hess  
Panelist: Lee Kirksey  
Panelist: Andrea Obi  
Panelist: Ruby Chang

1:14 PM  
Panel Discussion - Diabetes and Lipid Lowering - Which Treatment for Which Patient

Panelist: Jennifer M. Ballard-Hernandez  
Panelist: Robert T. Eberhardt  
Panelist: Aruna Das Pradhan  
Panelist: Cecilia C. Low Wang

1:24 PM  
ARS - Debate - Pre Question - Who Should Have ABI?  
**Naomi M. Hamburg**  
Boston, MA

1:25 PM  
Debate: ABI - We Should Screen all High Risk Patients (Pro)  
**Joshua A. Beckman**  
Nashville, TN

1:32 PM  
Debate: ABI - We Only Test in Those With Signs or Symptoms (Con)  
**Scott Kinlay**  
West Roxbury, MA

1:39 PM  
Debate Rebuttal - Pro

1:41 PM  
Debate Rebuttal - Con

1:43 PM  
ARS - Debate - Post Question - Who Should Have ABI?  
**Naomi M. Hamburg**  
Boston, MA



### Vascular Medicine - Core Curriculum

#### Session #813

#### Core Curriculum: Update on Management of Peripheral Vascular Disease

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Room 343

CME Hours: 1.25 / CNE Hours: 1.25

Chair: Faisal Latif

12:30 PM

Optimizing Medical Therapy in PAD

Heather L. Gornik  
Cleveland, OH

12:45 PM

What to do when medical therapy is not enough?

Herbert D. Aronow  
East Greenwich, RI

1:00 PM

Is Renal Artery Intervention Dead?

Sreekanth Vemulapalli  
Durham, NC

1:15 PM

Panel Discussion Moderator

Faisal Latif  
Oklahoma City, OK

1:15 PM

Panel Discussion with Question and Answer

### Vascular Medicine - Moderated Poster Contributions

#### Session #1061

#### The Greatest Artery: The Aorta and Its Complications

Monday, March 18, 2019, 12:30 PM - 1:45 PM

Valvular Heart Disease and Vascular Medicine Moderated Poster Theater\_Poster Hall\_Hall F

CME Hours: / CNE Hours:

ACC Poster Moderator: Umberto Campia

ACC Poster Moderator: Christina Fanola

12:30 PM

Nationwide Readmissions Following Hospitalization For Acute Type B Aortic Dissection

Brett Carroll, Eric Secemsky, Kevin Kennedy, Nicholas J. Swerdlow, Marc Schermerhorn, Robert Yeh, Beth Israel Deaconess Medical Center, Boston, MA, USA

12:40 PM

Question and Answer

12:45 PM

Neurological Event Rates and Associated Risk Factors in Acute Type B Aortic Dissections Treated Endovascularly

Beneditk Reutersberg, Thomas Gleason, Nimesh Desai, Marek P. Ehrlich, Arturo Evangelista-Masip, Alan Braverman, Truls Myrmel, Edward Chen, Anthony Estrera, Marc Schermerhorn, Eduardo Bossone, Daniel Montgomery, Kim Eagle, Thoralf Sundt, Himanshu Patel, Santi Trimarchi, Hans-Henning Eckstein, The University of Michigan, Ann Arbor, MI, USA, The Technische Universitat Munchen, Munchen, Germany

12:55 PM

Question and Answer

1:00 PM

Initial Experience Performing a Simulated Transseptal Puncture With a Virtual Reality Head Mounted Display Catheter Navigation System

Ryan James, Wayne L. Monsky, Stephen Seslar, University of Washington, Seattle, WA, USA

1:10 PM

Question and Answer

1:15 PM

Trends in Incidence, Management, and Short Term Outcomes of Aortic Dissection

Erick Sun, Shinobu Itagaki, Nana Toyoda, Natalia Egorova, Joanna Chikwe, Icahn School of Medicine at Mount Sinai, New York, NY, USA, Cardiothoracic Surgery Division at Stony Brook Medicine, Stony Brook, NY, USA

1:25 PM

Question and Answer

1:30 PM

In-Hospital Management and Outcomes in Patients With Marfan Syndrome Admitted With Aortic Dissection: Results From the National Inpatient Sample (NIS) Database

Matthew Lippmann, Siva Sagar Taduru, Trip Zorn, Gregory Muehlebach, Emmanuel Daon, Travis Abicht, Jeffrey Kramer, Kamal Gupta, University of Kansas Medical Center, Kansas City, KS, USA

1:40 PM

Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #764

#### Diagnostic Testing in Older Adult Patients with Coronary Artery Disease: Choosing Wisely

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 357

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Eric D. Peterson

Co-Chair: John A. Spertus

Panelist: Karen P. Alexander

Panelist: James N. Kirkpatrick

Panelist: Adam H. Skolnick

2:00 PM

Complex Multimorbid Elderly Patient Admitted With Chest Pain and Mildly Elevated Troponin

Deena Goldwater

Los Angeles, CA

2:08 PM

Elderly Patients With NSTEMI Benefit From an Early Invasive Strategy

Anthony A. Bavry

Gainesville, FL

2:16 PM

Conservative Management Is Appropriate for Most Elderly Patients With NSTEMI

William E. Boden

Boston, MA

2:24 PM

Panel Discussion, Question and Answer After Debate 1



2:39 PM	2:58 PM
Elderly Patient With Stable IHD and Limited Functional Capacity Due to Comorbidities	Panel Discussion With the Experts
Ariela Orkaby	2:58 PM
Boston, MA	Audience ARS Question
2:47 PM	Jamieson Bourque
Elderly Patients Benefit From Imaging to Define Anatomy and Prognosis	Charlottesville, VA
Pamela S. Douglas	3:15 PM
Durham, NC	Audience ARS Question
2:55 PM	Marcelo Di Carli
Elderly Patients With Limited Function are Unlikely to Benefit From Imaging to Define Risk	Boston, MA
John Gordon Harold	<b>Arrhythmias and Clinical EP - ACC Section Highlights Session #1400</b>
Los Angeles, CA	<b>Arrhythmias and Clinical EP Highlights Session</b>
3:03 PM	<b>Monday, March 18, 2019, 2:00 PM - 3:30 PM</b>
Panel Discussion, Question and Answer After Debate 2	<b>Room 355</b>
3:18 PM	<b>CME Hours: / CNE Hours:</b>
Incorporating Patient Preferences in Decision Making for Testing: Choosing Wisely	Chair: John D. Fisher
Daniel E. Forman	Co-Chair: Dhanunjaya R. Lakkireddy
Pittsburgh, PA	2:00 PM
<b>Acute and Stable Ischemic Heart Disease - Scientific Session #765</b>	Welcome and Introduction of Panelists
<b>Ischemia and No Obstructive Coronary Arteries (INOCA): It Doesn't Always End With the Angiogram!</b>	Dhanunjaya R. Lakkireddy
<b>Monday, March 18, 2019, 2:00 PM - 3:30 PM</b>	Leawood, KS
<b>Room 217</b>	2:05 PM
<b>CME Hours: 1.5 / CNE Hours: 1.5</b>	Highlights in AFib
Co-Chair: Jamieson M. Bourque	Andrea Natale
Co-Chair: Marcelo F. Di Carli	Austin, TX
2:00 PM	2:15 PM
Case 1- Presentation of Patient With INOCA	Panel Discussion
Christopher Schumann	2:20 PM
Charlottesville, VA	Highlights in Anti-Coagulation
2:05 PM	Michael D. Ezekowitz
Syndrome X Versus Microvascular Dysfunction: What's the Difference?	Villanova, PA
Ankur Gupta	2:30 PM
Boston, MA	Panel Discussion
2:17 PM	2:35 PM
INOCA Evaluation: Invasive and Noninvasive Methods	Highlights in ACC/AHA/HRS Guidelines
Janet Wei	Brian Olshansky
Los Angeles, CA	Iowa City, IA
2:29 PM	2:45 PM
Case 2- Presentation of Patient With INOCA	Panel Discussion
Margo Minissian	2:50 PM
Los Angeles, CA	Highlights in Cardiac Devices
2:34 PM	Randy A. Lieberman
Coronary Flow Reserve: Diagnostic and Prognostic Impact	Bloomfield Hills, MI
Philipp A. Kaufmann	3:00 PM
Zurich, Switzerland	Audience Question and Answer
2:46 PM	3:05 PM
Treatment of INOCA: Empiric Clinical Therapy Versus Hard Data	Panel Discussion
C. Noel Bairey Merz	
Los Angeles, CA	



### Congenital Heart Disease - Scientific

#### Session #766

#### Pregnancy and Women's Health in Congenital Heart Disease

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 338

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Jordan Awerbach  
Co-Chair: Thomas W. Young

2:00 PM  
Patient Perspective: Being Pregnant With Congenital Heart Disease

Christianna Donald  
Monroe, LA

2:13 PM  
Audience Discussion

2:18 PM  
Counseling CHD Patients Before Pregnancy: Facts and the Future  
Sabrina D. Phillips  
Jacksonville, FL

2:31 PM  
Audience Discussion

2:36 PM  
Management of the Fontan Patient During Pregnancy: Blazing a Trail  
Candice K. Silversides  
Toronto, Canada

2:49 PM  
Audience Discussion

2:54 PM  
Delivery Dangers and Postpartum Pitfalls  
Sara Thorne  
Birmingham, United Kingdom

3:07 PM  
Audience Discussion

3:12 PM  
Contraception in Patients With Congenital Heart Disease: Choice and Challenges  
Veronica Gillispie  
New Orleans, LA

3:25 PM  
Audience Discussion

### Heart Failure and Cardiomyopathies - Scientific

#### Session #767

#### Biomarkers in Heart Failure: In Search of Precision Medicine

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room La Nouvelle B

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Lori B. Daniels  
Co-Chair: David E. Lanfear

2:00 PM  
Post-Mortem on BNP-Guided Therapy: What Went Wrong and is There Still Potential Utility?  
G. Michael Felker  
Durham, NC

2:12 PM

Novel Markers for Prognosis: Are any Incremental to Clinical Scores, Troponin and BNP?  
Hanna Gaggin  
Boston, MA

2:24 PM

Can Proteomics Partition PEF Pathophysiology?  
Nancy K. Sweitzer  
Tucson, AZ

2:36 PM

Metabolomics in HF - Emerging Clinical Utility or Just More Associations?  
Svati Shah  
Durham, NC

2:48 PM

Genetics/Genomics in Heart Failure: Where and When Will the Clinical Utility arrive?  
Thomas Lumbers  
London, United Kingdom

3:00 PM

Biomarkers and Precision Cardiology: What Is the Future and Incremental Value?  
Peter P. Liu  
Ottawa, Canada

3:12 PM

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific

#### Session #768

#### Implantable Devices in Ambulatory Heart Failure: Working Under Pressure

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 257

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: J. Thomas Heywood  
Co-Chair: Celeste T. Williams

2:00 PM

Hemodynamic Monitoring in Heart Failure: Current State of Affairs  
Celeste T. Williams  
West Bloomfield, MI

2:12 PM

Setting up an Ambulatory Hemodynamic Clinic: The Essentials  
Akshay S. Desai  
Boston, MA

2:24 PM

Hemodynamic Management of Our LVAD Patients Using PA Sensors  
Nir Uriel  
Chicago, IL

2:36 PM

The use of PA Sensors: Cost Effectiveness and Value  
Alex Sandhu  
Stanford, CA

2:48 PM

Monitoring Systems for Heart Failure: What is in the pipeline?  
Lee R. Goldberg  
Philadelphia, PA



3:00 PM

Case 1- Everyday Challenging Patients With PA Sensors

Alanna A. Morris

Atlanta, GA

3:05 PM

Case 2 Challenging Patients With PA Sensors: Unique Indications

Srinath Adusumalli

Philadelphia, PA

3:10 PM

Case Discussion, Question and Answer, ARS

### Heart Failure and Cardiomyopathies - ACC Section Highlights

Session #1401

#### Heart Failure Highlights Session

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 228

CME Hours: / CNE Hours:

Co-Chair: Biykem Bozkurt

Co-Chair: Gurusher S. Panjrath

2:00 PM

Welcome and Introduction to the team and ARS System

Biykem Bozkurt

Houston, TX

2:05 PM

*Top 3 Clinical Presentations on Heart Failure*

Gurusher S. Panjrath

Washington, DC

2:13 PM

ARS Question: Top 3 Clinical Presentations on Heart Failure

Gurusher S. Panjrath

Washington, DC

2:15 PM

Top 3 Basic/Translational/Innovation Presentations on Heart Failure

Biykem Bozkurt

Houston, TX

2:23 PM

Audience ARS Question: Top 3 Basic/Translational/Innovation Presentations

on Heart Failure

Biykem Bozkurt

Houston, TX

2:25 PM

Top 3 Presentations in Cardio-Oncology

Ana Barac

Washington, DC

2:33 PM

Audience ARS Question: Top 3 Presentations in Cardio-Oncology

Ana Barac

Washington, DC

2:35 PM

Top 3 Presentations in Acute Heart Failure/Cardiogenic Shock/Critical Care

Shashank S. Sinha

Arlington, VA

2:43 PM

Audience ARS Question: Top 3 Presentations in Acute Heart Failure/Cardiogenic Shock/Critical Care

Shashank S. Sinha

Arlington, VA

2:45 PM

Top 3 Presentations in LVAD/Transplantation

Jignesh K. Patel

Beverly Hills, CA

2:53 PM

Audience ARS Question: Top 3 Presentations in LVAD/Transplantation

Jignesh K. Patel

Beverly Hills, CA

2:55 PM

Top 3 Presentations in Pulmonary Hypertension

Myung H. Park

Houston, TX

3:03 PM

Audience ARS Question: Top 3 Presentations in Pulmonary Hypertension

Myung H. Park

Houston, TX

3:05 PM

Top 3 Heart Failure Topics on Social Media at ACC

Nosheen Reza

Philadelphia, PA

3:11 PM

Audience ARS Question: Top 3 Heart Failure Topics on Social Media at ACC

Nosheen Reza

Philadelphia, PA

3:13 PM

Audience Question and Answer

### Interventional Cardiology - Scientific

Session #769

#### Concomitant Valve Disease Management: Patient-tailored Therapy for the Intermediate Risk Patient

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 211

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Philippe Genereux

Co-Chair: Hasan Jilaihawi

Panelist: Amanda Kirby

Panelist: David R. Holmes, Jr

Panelist: Michael J. Mack

Panelist: Michael J. Reardon

2:00 PM

Aortic Stenosis With Multivessel CAD in 70-Year-Old Intermediate Risk

Patient: SAVR/CABG vs TAVR/PCI

Marc Ruel

Ottawa, Canada

2:08 PM

Panel Discussion With Audience Question and Answer



2:15 PM	2:00 PM
Ascending Thoracic Aneurysm With Aortic Stenosis	Case Presentation: Recurrent In-Stent Failure
Toru Kuratani	Andrew Sharp
Osaka, Japan	Exeter, United Kingdom
2:23 PM	2:05 PM
Panel Discussion With Audience Question and Answer	The Concept of Precision PCI: OCT Guidance in Everyday Practice
2:30 PM	Richard A. Shlofmitz
Moderate Organic MR: SAVR/MV Repair vs TAVR/Mitraclip vs TAVR Only	Roslyn, NY
Michael Chu	
London, Canada	
2:38 PM	2:15 PM
Panel Discussion With Audience Question and Answer	Case Presentation: Artificial Intelligence in Physiologic Lesion Mapping
2:45 PM	Justin E. Davies
Severe MR With Concomitant Tricuspid Insufficiency: MV/TV Repair vs.	London, United Kingdom
MitraClip Alone	
Eric Lehr	
Columbia, MD	
2:53 PM	2:20 PM
Panel Discussion With Audience Question and Answer	Would FFR Guided PCI Have Changed ORBITA Result?
3:00 PM	Sayan Sen
Atrial Fibrillation With Severe Aortic Stenosis: SAVR/MAZE vs TAVR Only	London, United Kingdom
Jonathan Philpott	
Norfolk, VA	
3:08 PM	2:25 PM
Panel Discussion With Audience Question and Answer	Panel Discussion With Audience Question and Answer
3:15 PM	2:35 PM
TAVR With Severe Ventricular Dysfunction and Pulmonary HTN: Valve Choice	The Calcium Conundrum: Best Strategies to Recognize and Deal With
Basel Ramlawi	Severely Calcified Lesions
Winchester, VA	Ziad Ali
3:23 PM	New York, NY
Panel Discussion With Audience Question and Answer	
<b>Interventional Cardiology - Scientific</b>	
<b>Session #770</b>	
<b>Deep Dive in Influential Interventional Clinical Trials</b>	
<b>Monday, March 18, 2019, 2:00 PM - 3:30 PM</b>	
<b>Room 208</b>	
<b>CME Hours: 1.5 / CNE Hours: 1.5</b>	
Co-Chair: J. Dawn Abbott	2:45 PM
Co-Chair: Duane S. Pinto	Case Presentation: Optimal Assessment of Intermediate Left Main Stenosis:
Panelist: M. Jenifer Kaufman	IVUS, OCT or FFR?
	Shing Fung Chui
	Jordan, Hong Kong
<b>Interventional Cardiology - Scientific</b>	
<b>Session #771</b>	
<b>Precision PCI: Use of Intravascular Imaging and Physiology to</b>	
<b>Optimize Results</b>	
<b>Monday, March 18, 2019, 2:00 PM - 3:30 PM</b>	
<b>Room 206</b>	
<b>CME Hours: 1.5 / CNE Hours: 1.5</b>	
Co-Chair: Ziad A Ali	2:50 PM
Co-Chair: Allen Jeremias	Case Presentation: Physiology Guidance of Side Branch PCI
Panelist: Robert G. Baeten, II	Jung-Min Ahn
Panelist: Junbo Ge	Korea, Republic of
Panelist: Akiko Maehara	
Panelist: Habib Samady	
	2:55 PM
	Panel Discussion With Audience Question and Answer
	3:05 PM
	Intracoronary Imaging to Determine the Causes of ISR
	Junbo Ge
	Shanghai, China
	3:15 PM
	Case Presentation: Value of Post-PCI FFR
	Nikolaos Kakouras
	Worcester, MA
	3:20 PM
	Panel Discussion With Audience Question and Answer



### Interventional Cardiology - Scientific

#### Session #772

#### Quick Hitters: Current Controversies in Coronary Interventions

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 203

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Alade Chieffo

Co-Chair: Adhir Ramesh Shroff

Panelist: Amit P. Amin

Panelist: Linda A. Briggs

Panelist: Jeptha P. Curtis

Panelist: Kapildeo Lotun

2:00 PM

ARS Pre-Poll: Should the Results of the ORBITA Trial Change Your Practice?

Adhir Ramesh Shroff

Chicago, IL

2:03 PM

ORBITA Trial... Whatever! My Referring Docs and Patients Demand PCI

Mirvat A. Alasnag

Jeddah, Saudi Arabia

2:10 PM

ORBITA Trial Has Changed the Game in My Practice

Rasha Al-Lamee

London, United Kingdom

2:17 PM

ARS Post-Poll: Should the Results of the ORBITA Trial Change Your Practice?

Adhir Ramesh Shroff

Chicago, IL

2:20 PM

Panel Discussion With Audience Question and Answer

2:30 PM

ARS Pre-Poll: Should the Use of Hemodynamic Support Devices be Limited Until More Evidence Is Published?

Adhir Ramesh Shroff

Chicago, IL

2:33 PM

HD Support Is Difficult to Study but the Benefits are Clear in My Practice

Mauricio G. Cohen

Miami, FL

2:40 PM

HD Support Offers Minimal to No Clinical Benefit and Should Be Limited

William Myoungwon Suh

Hawthorne, CA

2:47 PM

ARS Post-Poll: Should the Use of Hemodynamic Support Devices be Limited Until More Evidence Is Published?

Adhir Ramesh Shroff

Chicago, IL

2:50 PM

Panel Discussion With Audience Question and Answer

3:00 PM

ARS Pre-Poll: CTO PCI: High Risk or High Reward?

Adhir Ramesh Shroff

Chicago, IL

3:03 PM

Higher Risk, Higher Reward

James Aaron Grantham

Overland Park, KS

3:10 PM

High Risk, Unclear Benefit

Jordan Glanzman Safirstein

Mountain Lakes, NJ

3:17 PM

ARS Post-Poll: CTO PCI: High Risk or High Reward?

Adhir Ramesh Shroff

Chicago, IL

3:20 PM

Panel Discussion With Audience Question and Answer

### Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - ACC Section Highlights

#### Session #1402

#### Imaging Highlights Session

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 254

CME Hours: / CNE Hours:

Co-Chair: Todd C. Villines

2:00 PM

#ACCImaging: The Social Media Response to Cardiovascular Imaging at ACC.19

Andrew D. Choi

Washington, DC

2:05 PM

#ACCImaging: The Social Media Response to Cardiovascular Imaging at ACC.19

Jeffrey Benjamin Geske

Rochester, MN

2:10 PM

#ACCImaging: The Social Media Response to Cardiovascular Imaging at ACC.19

Purvi Parwani

Redlands, CA

2:15 PM

Highlights in Echocardiography

Bo Xu

Cleveland, OH

2:20 PM

Highlights in Echocardiography

Allan L. Klein

Cleveland, OH

2:25 PM

Question and Answer

2:30 PM

Highlights in Nuclear Cardiology

Viviany R. Taqueti

Boston, MA

2:40 PM

Question and Answer



2:45 PM	2:25 PM
Highlights in Cardiac MRI Paco E. Bravo Malvern, PA	Top 3 Presentations in Dyslipidemia Most Likely to Impact or Change Clinical Practice or Future Research Agenda Lynne T. Braun Chicago, IL
2:50 PM	2:33 PM
Highlights in Cardiac MRI Victor A. Ferrari Philadelphia, PA	Audience ARS Question: Top 3 Presentations in Dyslipidemia Most Likely to Impact or Change Clinical Practice or Future Research Agenda Xiaoming Jia Houston, TX
2:55 PM	2:35 PM
Question and Answer	Top 3 Presentations in Nutrition/Lifestyle Most Likely to Impact or Change Clinical Practice or Future Research Agenda Andrew M. Freeman Denver, CO
3:00 PM	2:43 PM
Highlights in Cardiac CT James Chihong Lee Detroit, MI	Audience ARS Question: Top 3 Presentations in Nutrition/Lifestyle Most Likely to Impact or Change Clinical Practice or Future Research Agenda Pratik Sandesara Atlanta, GA
3:05 PM	2:45 PM
Highlights in Cardiac CT Todd C. Villines Rockville, MD	Top 3 Presentations in Digital Innovation/ mHealth/ Precision Medicine Most Likely to Impact or Change Clinical Practice or Future Research Agenda Seth Shay Martin Baltimore, MD
3:10 PM	2:53 PM
Question and Answer	Audience ARS Question: Top 3 Presentations in Digital Innovation/ mHealth/ Precision Medicine Most Likely to Impact or Change Clinical Practice or Future Research Agenda Mahmoud Sobhi Al Rifai Wichita, KS
<b>Prevention - ACC Section Highlights</b> <b>Session #1403</b> <b>Prevention of Cardiovascular Disease Highlights Session</b> <b>Monday, March 18, 2019, 2:00 PM - 3:30 PM</b> <b>Room 225</b> <b>CME Hours: / CNE Hours:</b>	2:55 PM
Co-Chair: Kim K. Birtcher Co-Chair: Salim S. Virani	Top 3 Presentations in Global CVD Prevention Most Likely to Impact or Change Clinical Practice or Future Research Agenda Clara Chow Sydney, Australia
2:00 PM	3:03 PM
Welcome to Participants, Invitation to join the Prevention of CVD Section, and Introduction to the team and ARS	Audience ARS Question: Top 3 Presentations in Global CVD Prevention Most Likely to Impact or Change Clinical Practice or Future Research Agenda Anum Saeed Pittsburgh, PA
2:05 PM	3:05 PM
Top 3 Presentations in Hypertension Most Likely to Impact or Change Clinical Practice or Future Research Agenda Eugene Yang Mercer Island, WA	Top 3 Presentation that Will Impact FITs/ Early Career Members Interested in Prevention Donald Clark Jackson, MS
2:13 PM	3:13 PM
Audience ARS Question: Top 3 Presentations in Hypertension Most Likely to Impact or Change Clinical Practice or Future Research Agenda Yashashwi Pokharel Overland Park, KS	Audience ARS Question: Top 3 Presentation That Will Impact FITs/ Early Career Members Interested in Prevention Dipika J. Gopal Philadelphia, PA
2:15 PM	3:15 PM
Top 3 Presentations in Diabetes Most Likely to Impact or Change Clinical Practice or Future Research Agenda Laurence S. Sperling Atlanta, GA	Audience Question and Answer
2:23 PM	
Audience ARS Question: Top 3 Presentations in Diabetes/Cardiometabolic Disorders Most Likely to Impact or Change Clinical Practice or Future Research Agenda Anurag Mehta Atlanta, GA	



### Special - Late-Breaking Clinical Trials

#### Session #413

#### Featured Clinical Research III

Monday, March 18, 2019, 2:00 PM - 3:15 PM

Room La Nouvelle C

CME Hours: 1.5 / CNE Hours: 1.5

Chair: Michelle L. O'Donoghue

Co-Chair: James L. Januzzi

Panelist: Bart Duell

Panelist: Brian A. Ference

Panelist: Pamela Ouyang

2:00 PM

Impact of Alcohol Abstinence in Moderate Drinkers with Atrial Fibrillation:

Results from the Alcohol-AF Randomized Controlled Trial

Aleksandr Voskoboinik, Jonathan Kalman, Thomas Nicholls, Shane Nanayakkara, Sandeep Prabhu, Dion Stub, Geoffrey Wong, Chrishan Nalliah, Hariharan Sugumar, Michael Wong, Emily Kotschet, David Kaye, Andrew Taylor, Peter Kistler, Baker Heart & Diabetes Institute, Melbourne, Australia, Alfred Hospital, Melbourne, Australia

2:10 PM

Panel Discussion

2:15 PM

Impact of *ADCY9* on Response to Anacetrapib Among 20,000 Participants in the HPS3/TIMI55-REVEAL Trial

Jemma Caroline Hopewell, HPS3/TIMI55 REVEAL Collaborative Group, University of Oxford, Oxford, United Kingdom

2:25 PM

Panel Discussion

2:30 PM

Lipoprotein(a) Lowering by Alirocumab Contributes to Total Events Reduction Independent of Low-Density Lipoprotein Cholesterol in the ODYSSEY OUTCOMES Trial

Vera Bittner, Michael Szarek, Philip Aylward, Deepak L. Bhatt, Rafael Diaz, Jay Edelberg, Zlatko Fras, Shaun Goodman, Sigrun Halvorsen, Corinne Hanotin, Robert Harrington, Johan Jukema, Virginie Loizeau, Patrick Moriarty, Angele Moryusef, Robert Pordy, Matthew Roe, Peter Sinnavee, Sotirios Tsimikas, Robert Vogel, Harvey White, Doron Zahger, Andreas Zeiher, Philippe Steg, Gregory Schwartz, University of Alabama at Birmingham, Birmingham, AL, USA, University of Colorado School of Medicine, Aurora, CO, USA

2:40 PM

Panel Discussion

2:45 PM

Dapagliflozin and Outcomes in Patients with Peripheral Artery Disease:

Insights from DECLARE - TIMI 58

Marc P. Bonaca, Stephen Wiviott, Thomas Zelniker, Ofri Mosenzon, Remo Holanda De Mendonca Furtado, Erica Goodrich, Deepak L. Bhatt, Lawrence A. Leiter, Darren McGuire, John P.H. Wilding, Ingrid A.M. Gause-Nilsson, Per Johanson, Peter A. Johansson, Anna Maria Langkilde, Itamar Raz, Marc Sabatine, Brigham and Women's Hospital, Boston, MA, USA

2:55 PM

Panel Discussion

3:00 PM

Acute Aortic Dissection: Lessons Learned from 9000 Patients

Kim Eagle, Christoph Nienaber, Santi Trimarchi, Himanshu Patel, Thomas Gleason, Daniel Montgomery, Reed Pyeritz, Arturo Evangelista-Masip, Alan Braverman, Derek Brinster, Marco Di Eusonio, Marek Ehrlich, Kevin Harris, Truls Myrmel, Eduardo Bossone, Eric Isselbacher, University of Michigan, Ann Arbor, MI, USA

3:10 PM

Panel Discussion

### Special - Scientific

#### Session #517

#### Diseases of Resource-Challenged Countries: Joint Symposium of the World Heart Federation and the American College of Cardiology

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 244

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: John Gordon Harold

Co-Chair: Amam C. Mbakwem

Co-Chair: David Allan Wood

2:00 PM

Case Presentation: Severe Mitral Stenosis in a Young Pregnant Woman

Mpiko Ntsekhe

Cape Town, South Africa

2:15 PM

Advances in Pathogenesis of Rheumatic Fever

Jagat Narula

New York, NY

2:27 PM

Hand-held Echo Devices for Better Assessment of Rheumatic Heart Disease

Fausto J. Pinto

Lisboa, Portugal

2:39 PM

Primary and Secondary Prophylaxis of Rheumatic Heart Disease: Developing a Cost-Effective Strategy

Thomas Andrew Gaziano

Boston, MA

2:51 PM

Chaga's Disease: A Continued Epidemiological Challenge

Gustavo Alonso Restrepo

Medellin, Colombia

3:03 PM

Chaga's Disease: Advances in Management

Daniel Jose Pineiro

Ciudad Autonoma de Buenos Aires, Argentina

3:15 PM

Panel Discussion with Audience Question and Answer

### Special - ACC Section Highlights

#### Session #1404

#### Sports Highlights Session

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 352

CME Hours: / CNE Hours:

Co-Chair: Eugene H. Chung

Co-Chair: Matthew W. Martinez



2:00 PM

Welcome and Introduction of Panelists and Presenters

Matthew W. Martinez

Allentown, PA

2:05 PM

Case Presentation: Sports and Exercise Highlights Topic One

Jeffrey J. Hsu

Los Angeles, CA

2:15 PM

Panel Discussion

2:20 PM

Case Presentation: Sports and Exercise Highlights Topic Two

Elizabeth Hill

San Diego, CA

2:30 PM

Panel Discussion

2:35 PM

Abstract/Hot Topic Discussion: Sports and Exercise Highlights Topic Three

Prashant Rao

Tucson, AZ

2:35 PM

Abstract/Hot Topic Discussion: Sports and Exercise Highlights Topic Three

Eugene H. Chung

Ann Arbor, MI

2:50 PM

Late Breaking Focus: Sports and Exercise Highlights Topic Four

Guru Kowlgi

Glen Allen, VA

3:00 PM

Panel Discussion

3:05 PM

Audience Question and Answer

### Valvular Heart Disease - Scientific

Session #773

#### The Role of Vasculature in Valvular Heart Disease

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 220

CME Hours: 1.5 / CNE Hours: 1.5

Co-Chair: Brian R. Lindman

Co-Chair: Raquel Yotti

Panelist: Javier Bermejo

Panelist: Mackram F. Eleid

Panelist: Kashish Goel

Panelist: Brian R. Lindman

Panelist: Ahmad Masri

2:00 PM

Pulmonary Hypertension In Aortic and Mitral Valve Disease: Pathophysiology and Outcomes

Ahmad Masri

Pittsburgh, PA

2:10 PM

Case: Severe Pulmonary Hypertension With Severe Mitral Regurgitation

Holly Gonzales

Nashville, TN

2:15 PM

Reversibility of Pulmonary Hypertension Associated With Mitral Valve Disease - How to Assess and Does it Matter?

Kashish Goel

Nashville, TN

2:25 PM

Panel Discussion

2:40 PM

Blood Pressure Goals for Patients With AS Before and After Treatment: Not So Simple!

Brian R. Lindman

Nashville, TN

2:50 PM

Vasodilators and AS: Hemodynamic Response and Potential Role in the Work-up of Low Flow, Low Gradient AS

Mackram F. Eleid

Rochester, MN

3:00 PM

Systemic Vascular Load in Patients With AS: How to Measure and Does it Matter?

Javier Bermejo

Madrid, Spain

3:10 PM

Audience ARS Question

Brian Lindman

Nashville, TN

3:11 PM

Panel Discussion

### Valvular Heart Disease - Core Curriculum

Session #814

#### Core Curriculum: Valvular Heart Disease in the Percutaneous Era

Monday, March 18, 2019, 2:00 PM - 3:30 PM

Room 343

CME Hours: 1.5 / CNE Hours: 1.5

Chair: Carlos Enrique Alfonso

2:00 PM

When to Treat the Leaking Mitral Valve?

Marie-France Poulin

Chicago, IL

2:20 PM

To TAVR or not to TAVR

Kimberly A. Skelding

Tuscaloosa, AL

2:40 PM

Imaging the Percutaneous Valve

Kian Keong Poh

Singapore 119228, Singapore



3:00 PM  
Panel Discussion Moderator  
Carlos Enrique Alfonso  
Coral Gables, FL

3:00 PM  
Panel Discussion with Question and Answer

**Vascular Medicine - ACC Section Highlights**  
Session #1405  
**Peripheral Vascular Disease Highlights Session**  
**Monday, March 18, 2019, 2:00 PM - 3:30 PM**  
**Room 238**  
**CME Hours: / CNE Hours:**

Chair: Gregory Piazza

2:00 PM  
Welcome and Introduction of Panelists  
Gregory Piazza  
Boston, MA

2:05 PM  
Highlights in Fibromuscular Dysplasia and SCAD  
Soo Hyun Kim  
Brentwood, TN

2:15 PM  
Panel Discussion

2:20 PM  
Highlights in Venous Thromboembolism  
Gregory Piazza  
Boston, MA

2:30 PM  
Panel Discussion

2:35 PM  
Highlights in Peripheral Artery Disease  
Marc P. Bonaca  
Aurora, CO

2:45 PM  
Panel Discussion

2:50 PM  
Highlights in Vascular Precision Medicine:  
Naomi M. Hamburg  
Boston, MA

3:00 PM  
Panel Discussion

3:05 PM  
Highlights in Aortic Disease  
Umberto Campia  
Boston, MA

3:15 PM  
Panel Discussion

3:20 PM  
Audience Question and Answer

**Special - Special**  
**Session #415**  
**68th Annual Convocation Ceremony**  
**Monday, March 18, 2019, 4:00 PM - 6:00 PM**  
**ACC.19 Main Tent (Great Hall)**  
**CME Hours: / CNE Hours:**

**Special - Events and Meetings**  
**Session #5031**  
**President's, New Fellows' and Associates' Reception**  
**Monday, March 18, 2019, 5:30 PM - 6:30 PM**  
**Ernest N. Morial Convention Center\_Great Hall Foyer**  
**CME Hours: / CNE Hours:**

5:30 PM  
President's, New Fellows' and Associates' Reception