



### Congenital Heart Disease - Scientific

#### Session #600

#### Catheter and Surgical Therapy for Congenital Heart Disease: It's Not the Big Easy

Saturday, March 16, 2019, 8:00 a.m. - 9:30 a.m.

Room 338

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Alistair Phillips

Co-Chair: Jeffrey Zampi

8:00 a.m.

Fontan Conundrum: Managing Hepatic Venous Flow to Limit Pulmonary Arteriovenous Malformations

Kirk Kanter

Atlanta, GA

8:12 a.m.

Audience Discussion

8:17 a.m.

Transcatheter Tricuspid Valve Interventions: The Next Frontier

Nathaniel Taggart

Rochester, MN

8:29 a.m.

Audience Discussion

8:34 a.m.

Transcatheter Native Right Ventricular Outflow Tract Valves: The Latest Trials

Evan M. Zahn

Los Angeles, CA

8:46 a.m.

Audience Discussion

8:51 a.m.

Debate: In the Cyanotic Newborn With TOF and no PDA...I Would Do a Complete Repair

Glen Van Arsdell

Los Angeles, CA

9:01 a.m.

Debate: In the Cyanotic Newborn With TOF and no PDA...I Would Do a BT Shunt

Jennifer C. Romano

Ann Arbor, MI

9:11 a.m.

Debate: In the Cyanotic Newborn With TOF and no PDA...I Would Do a RVOT Stent

Darren Berman

Columbus, OH

9:21 a.m.

Audience Discussion

### Heart Failure and Cardiomyopathies - Scientific

#### Session #601

#### Best Practices in Heart Failure: "How to" With the Experts

Saturday, March 16, 2019, 8:00 a.m. - 9:30 a.m.

Room La Nouvelle B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Margaret T. Bowers

Co-Chair: David E. Lanfear

Panelist: Raul Lapitan

Panelist: Mary Norine Walsh

Panelist: Clyde W. Yancy

8:00 a.m.

Case Presentation: Improving Adherence and Decreasing Readmissions

Nosheen Reza

Philadelphia, PA

8:10 a.m.

Panel Discussion with Question and Answer

8:18 a.m.

Case Presentation: Acute Decompensated Heart Failure - When to Escalate and What to Target?

Prateeti Khazanie

Denver, CO

8:28 a.m.

Panel Discussion with Question and Answer

8:36 a.m.

Case Presentation: OSA Versus CSA - Diagnosis and Treatment Strategies

Gurusher Panjra

Washington, DC

8:46 a.m.

Panel Discussion with Question and Answer

8:54 a.m.

Case Presentation: When Do Biomarkers Really Help?

Hanna Kim Gaggin

Boston, MA

9:04 a.m.

Panel Discussion with Question and Answer

9:22 a.m.

Panel Discussion with Question and Answer

### Heart Failure and Cardiomyopathies - Scientific

#### Session #602

#### The Right Quality and Performance Metrics and Right Outcomes in Heart Failure

Saturday, March 16, 2019, 8:00 a.m. - 9:30 a.m.

Room 257

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Larry A. Allen

Co-Chair: Peter Groeneveld

8:00 a.m.

Recent Trends in Quality and Performance Metrics and Patient Outcomes in Heart Failure

Adrian F. Hernandez

Durham, NC

8:12 a.m.

Question and Answer



8:15 a.m.  
Hospital Re-Admission Measure Is the Right Quality Measure in Heart Failure  
Paul A. Heidenreich  
Palo Alto, CA

8:25 a.m.  
Hospital Re-Admission Measure Is the Right Quality Measure in Heart Failure  
Gregg C. Fonarow  
Los Angeles, CA

8:35 a.m.  
Rebuttal (Pro)

8:40 a.m.  
Rebuttal (Con)

8:45 a.m.  
Why We Need to Incorporate Patient Reported Outcomes in Heart Failure Guidelines  
John A. Spertus  
Kansas City, MO

8:57 a.m.  
Question and Answer

9:00 a.m.  
Self-Care in Heart Failure: Where the Emphasis Needs to Lie  
Barbara Riegel  
Philadelphia, PA

9:12 a.m.  
Question and Answer

9:15 a.m.  
Health Care Policy in Heart Failure: Implications for Vulnerable Populations  
Sameed Ahmed Khatana  
Cranston, RI

9:27 a.m.  
Question and Answer

**Interventional Cardiology - Scientific Session #604**  
**Great Debates in Vascular Intervention**  
**Saturday, March 16, 2019, 8:00 a.m. - 9:30 a.m.**  
**Room 208**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: David C. Metzger  
Co-Chair: Eric Alexander Secemsky  
Panelist: Michelle Maier  
Panelist: Matthew T. Menard  
Panelist: Kenneth Rosenfield  
Panelist: Jose M. Wiley

8:00 a.m.  
Pre-Poll Atherectomy: Most of the Time or Not?  
Eric Alexander Secemsky  
Boston, MA

8:03 a.m.  
Case Presentation: This Vessel Is a Rock  
Sanjum S. Sethi  
New York, NY

8:09 a.m.  
Atherectomy Is Needed for "Vessel Prep" in Most Femoropopliteal Interventions and has Great Outcomes  
Sonya Noor  
Buffalo, NY

8:19 a.m.  
Nonsense! There is NO Proof that Atherectomy Works, and It Should be Used Sparingly/Selectively!  
Mark C. Wyers  
Boston, MA

8:29 a.m.  
Post-Poll Atherectomy: Most of the Time or Not  
Eric Alexander Secemsky  
Boston, MA

8:32 a.m.  
Panel Discussion With Audience Question and Answer

8:45 a.m.  
Pre-Poll CLI: Open or Endo?  
Eric Alexander Secemsky  
Boston, MA

8:48 a.m.  
Case Presentation: Stop the Chop - My Best CLI Success Case of the Year  
Yasser Sadek  
Cairo, Egypt

8:54 a.m.  
CLI: Open or Endo - Pro Endo  
Larry J. Diaz  
Ada, MI

9:04 a.m.  
CLI: Disease Open or Endo - Con Endo  
Samir Kaushik Shah  
Boston, MA

9:14 a.m.  
Post-Poll CLI: Open or Endo  
Eric Alexander Secemsky  
Boston, MA

9:17 a.m.  
Panel Discussion With Audience Question and Answer

**Interventional Cardiology - Scientific Session #605**  
**Frontiers in Coronary Physiology: Building Knowledge to Predict the Future**  
**Saturday, March 16, 2019, 8:00 a.m. - 9:30 a.m.**  
**Room 206**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Junbo Ge  
Co-Chair: Eric Alan Osborn  
Panelist: Rui Campante Carvalho Ferreira Teles  
Panelist: Paul Knaapen  
Panelist: Roberta Rossini  
Panelist: Nina Willemijn van der Hoeven

8:00 a.m.  
Case Presentation: Assessing Functional Severity With CT-FFR  
Koen Nieman  
Stanford, CA



8:10 a.m.  
Principle of CT-FFR and Accuracy Compared to CTA, SPECT and PET (PACIFIC Trial)  
Paul Knaapen  
Amsterdam, Netherlands

8:20 a.m.  
Panel Discussion With Audience Question and Answer

8:25 a.m.  
CT-FFR: Clinical Decision Making and Planning (Virtual Stenting)  
Brian Ko  
Sydney, Australia

8:35 a.m.  
Panel Discussion With Audience Question and Answer

8:40 a.m.  
Angiography or CT-FFR in Multivessel Disease? (SYNTAX III REVOLUTION Trial)  
Patrick W. Serruys  
Rotterdam, Netherlands

8:50 a.m.  
Panel Discussion With Audience Question and Answer

8:55 a.m.  
Determining Future Plaque Risk With Coronary CT  
Ron Blankstein  
Boston, MA

9:05 a.m.  
Panel Discussion With Audience Question and Answer

9:10 a.m.  
Case Presentation: Assessing Functional Severity With QFR  
Niels Ramsing Holm  
Aarhus, Denmark

9:15 a.m.  
Quantitative Flow Ratio During Angiography for PCI Planning  
Wojciech Wojakowski  
Katowice, Poland

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

#### **Interventional Cardiology - Scientific Session #606**

**MCS for Cardiogenic Shock Cases: The Good, the Bad, and the Ugly**  
**Saturday, March 16, 2019, 8:00 a.m. - 9:30 a.m.**  
**Room 203**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Venu Menon  
Co-Chair: Marwa A. Sabe  
Panelist: Miriam Jacob  
Panelist: Andrew N. Rassi  
Panelist: Dirk Westermann  
Panelist: John Whitlock

8:00 a.m.  
Case Presentation: Post Attack Shock  
M. Chadi Alraies  
Detroit, MI

8:08 a.m.  
Post Attack Shock: Post MI Cardiogenic Shock  
Andrew N. Rassi  
Cleveland, OH

8:20 a.m.  
Panel Discussion With Audience Question and Answer

8:30 a.m.  
Case Presentation: RV Failure  
Kashish Goel  
Nashville, TN

8:38 a.m.  
Don't Forget the Right: RV Failure  
Miriam Jacob  
Cleveland, OH

8:50 a.m.  
Panel Discussion With Audience Question and Answer

9:00 a.m.  
Case Presentation: Complications of MCS  
Arthur R. Garan  
Brooklyn, NY

9:08 a.m.  
It's Not Always Greener on the Other Side... Complications of MCS  
Dirk Westermann  
Hamburg, Germany

9:20 a.m.  
Panel Discussion With Audience Question and Answer

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

##### **Session #603**

**Man vs. Machine: Current and Future Applications of Machine  
Learning in Cardiovascular Imaging**  
**Saturday, March 16, 2019, 8:00 a.m. - 9:30 a.m.**  
**Room 254**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Randolph P. Martin  
Co-Chair: Pamela S. Douglas

8:00 a.m.  
Machine Learning 101: What the Cardiologist Needs to Know  
James Min  
New York, NY

8:12 a.m.  
Is All Machine Learning Created Equal? Issues of Quality and Accuracy in the  
Era of Big Data  
Robert M. Califf  
Durham, NC

8:24 a.m.  
Deep Learning for Precision Phenotyping in Cardiovascular Imaging - Here  
and Now  
Rima Arnaout  
San Francisco, CA

8:36 a.m.  
Current and Future Applications of Machine Learning In: Nuclear Cardiology  
Piotr Slomka  
Los Angeles, CA



8:48 a.m.

Current and Future Applications of Machine Learning In: Cardiac MR and CT  
Albert Hsiao  
San Diego, CA

9:00 a.m.

Current and Future Applications of Machine Learning In: Echocardiography  
Partho P. Sengupta  
Morgantown, WV

9:12 a.m.

Panel Discussion

### Special - Special Session #400

#### Opening Showcase Featuring the 2019 Simon Dack Keynote

Saturday, March 16, 2019, 8:00 a.m. - 9:00 a.m.

ACC.19 Main Tent (Great Hall)

CME Hours: 0 /CNE Hours: 0

8:00 a.m.

The National Anthem

8:00 a.m.

Welcome, Introduction, Acknowledgments and In Memoria  
C. Michael Valentine  
Lynchburg, VA

8:00 a.m.

ACC Presidential Address  
C. Michael Valentine  
Lynchburg, VA

8:00 a.m.

2019 Simon Dack Keynote: The Triumph of Human Spirit  
Roberto Canessa  
Montevideo, Uruguay

8:00 a.m.

ACC.19 Preview  
Andrew M. Kates  
Saint Louis, MO

### Special - Self-Assessment Session #800

#### Test Your Knowledge: Heart Failure and Arrhythmias

Saturday, March 16, 2019, 8:00 a.m. - 10:30 a.m.

Room R03

CME Hours: 2.5 /CNE Hours: 2.5

Chair: Julia H. Indik

8:00 a.m.

Test Your Knowledge Faculty  
Peter A. Brady  
Rochester, MN

8:00 a.m.

Test Your Knowledge Faculty  
Lisa Jeannette Rose-Jones  
Chapel Hill, NC

8:00 a.m.

Test Your Knowledge Faculty  
Nisha Gilotra  
Ellicott City, MD

### Valvular Heart Disease - Hands-on Skills Learning Session #1501

#### Personalized Skills Center: Heart Songs Meets Hand-Held Echo

Saturday, March 16, 2019, 8:30 a.m. - 5:00 p.m.

Personalized Skills Center: Lounge & Learn, Hall B

CME Hours: 4 /CNE Hours: 4

8:30 a.m.

Heart Songs Moderator  
Michael J. Barrett  
Blue Bell, PA

9:00 a.m.

Heart Songs Moderator  
John A. Power  
Pittsburgh, PA

9:00 a.m.

Heart Songs Moderator  
Juliette Power  
Pittsburgh, PA

12:00 p.m.

Heart Songs Moderator  
Christina Dunbar Matos  
Roanoke, VA

3:00 p.m.

Heart Songs Moderator  
Kathy S. Attieh  
Allentown, PA

### Special - Late-Breaking Clinical Trials Session #401

#### Joint American College of Cardiology and Journal of American

#### College of Cardiology Late-Breaking Clinical Trials

Saturday, March 16, 2019, 9:00 a.m. - 9:30 a.m.

ACC.19 Main Tent (Great Hall)

CME Hours: 1 /CNE Hours: 1

Chair: C. Michael Valentine

Co-Chair: Valentin Fuster

Panelist: Anne B. Curtis

Panelist: Renato D. Lopes

Panelist: Patrick T. O'Gara

Panelist: Jeanne E. Poole

9:00 a.m.

Results Of A Large-scale, App-based Study To Identify Atrial Fibrillation Using  
A Smartwatch: The Apple Heart Study

Mintu Turakhia, Marco Perez, Manisha Desai, Haley Hedlin, Amol Rajmane,  
Nisha Talati, Todd Ferris, Sumbul Desai, Divya Nag, Mithun Patel, Peter  
Kowey, John Rumsfeld, Andrea M. Russo, Mellanie True Hills, Christopher B.  
Granger, Kenneth Mahaffey, Turakhia and Perez are the co-first and co-  
presenting authors, Stanford University, Stanford, CA, USA

9:15 a.m.

Panel Discussion

### Special - Hands-on Skills Learning Session #1504

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

Saturday, March 16, 2019, 9:00 a.m. - 12:00 p.m.

Personalized Skills Center: Lounge & Learn, Hall B

CME Hours: /CNE Hours:



9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Prashant D. Bhave  
Winston-Salem, NC

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Margaret T. Bowers  
Durham, NC

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
James C. Coons  
Pittsburgh, PA

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Laura Davidson  
Chicago, IL

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Sohah Iqbal  
New York, NY

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Jason Linefsky  
Decatur, GA

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Matthew W. Martinez  
Allentown, PA

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Jerold L. Saef  
Grand Junction, CO

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Daniel R. Schimmel  
Chicago, IL

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Nilay S. Shah  
Chicago, IL

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Keri M. Shafer  
Boston, MA

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Michael T. Spooner  
Norfolk, VA

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Ada C. Stefanescu Schmidt  
Boston, MA

9:00 a.m.

Faculty: Immersive Simulation Experiences From Skills to Shared Decision-Making  
Michele Toussaint  
Los Gatos, CA

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1129

#### Acute and Stable Ischemic Heart Disease: Therapy 1 Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

#### Poster Hall, Hall F

#### CME Hours: /CNE Hours:

359 - Impact of Decreased Insulin Resistance by Ezetimibe on Postprandial Lipid Profiles and Endothelial Functions in Obese, Non-Diabetic Metabolic Syndrome Patients With Coronary Artery Disease

Akihiro Nakamura, Kenjiro Sato, Masanori Kanazawa, Masateru Kondo, Hideaki Endo, Tohru Takahashi, Eiji Nozaki, Iwate Prefectural Central Hospital, Morioka, Japan

360 - Increased Bodyweight and Inadequate Response to Aspirin in Individuals With Coronary Artery Disease

Remo Holanda de Mendonca Furtado, Flavia Arantes, Carlos Barbosa, Andre Franci, Fernando Menezes, Rocio Salsoso, Talia Dalcoquio, Carlos Nakashima, Marco Scanavini Filho, Aline Ferrari, Paulo Genestreti, Luciano Baracioli, Jose C. Nicolau, Instituto do Coracao (InCor), HCFMUSP, Sao Paulo, Brazil

361 - Assessment of the High Risk and unmet Need in Patients With CAD and Type 2 Diabetes (ATHENA): US Burden of Illness in a Commercially-Insured Population

Eric Wittbrodt, Narinder Bhalla, Karolina Andersson Sundell, Phillip Hunt, Janek Rudnik, Nathan Wong, AstraZeneca, Gaithersburg, MD, USA

362 - Assessment of the High Risk and unmet Need in Patients With CAD and Type 2 diabetes (ATHENA): US Burden of Illness in the Diabetes Collaborative Registry

Eric Wittbrodt, Narinder Bhalla, Karolina Andersson Sundell, Qi Gao, Liyan Dong, Matthew Cavender, Phillip Hunt, Nathan Wong, AstraZeneca, Gaithersburg, MD, USA

363 - Coronary Artery Bypass Grafting Using Radial Artery or Saphenous Vein Versus Percutaneous Coronary Intervention

Umberto Benedetto, Mario Gaudino, Rafael Cavalcante, Massimo Mancone, Jung-Min Ahn, Matthew Wingo, Irbaz Hameed, A. Kappetein, Friedrich W. Mohr, Seung-Jung Park, Patrick W. Serruys, David Taggart, University of Bristol, Bristol, United Kingdom, Weill Cornell, New York, NY, USA

364 - PCSK9 Inhibitors For the Prevention of Cardiovascular Disease

Leonardo M. Kniжник, Manuel Rivera, Rhanderson Cardoso, Gilson Fernandes, Amanda Fernandes, Carl Orringer, Mauricio Cohen, University of Miami, Miami, FL, USA, FL



365 - Coronary Artery Bypass Graft Surgery Versus Percutaneous Coronary Intervention in Women With Multi Vessel Coronary Artery Disease  
Hassan Alkhawam, Preetham Reddy Muskula, Elsayed Abo-Salem, Mohammed Al-Sadawi, James Ampadu, Mohammad Salloum, Joseph J. Lieber, Michael Lim, Tarek Helmy, Saint Louis University Hospital, St. Louis, MO, USA, Icahn School of Medicine at Mount Sinai (Elmhurst), Elmhurst, NY, USA

366 - An Outcome Comparison of Percutaneous Coronary Intervention Versus Coronary Artery Bypass Grafting in Elderly Patient With Multi-Vessel Coronary Artery Disease  
Hassan Alkhawam, Preetham Reddy Muskula, Fadi Ghrair, Stephanie Windish, James Ampadu, Andrew Kichura, Joseph Lieber, Michael Lim, Tarek Helmy, Saint Louis University School of Medicine, St. Louis, MO, USA, Icahn School of Medicine at Mount Sinai (Elmhurst), Elmhurst, NY, USA

367 - Efficacy of Dual Anti-Platelet Therapy in Coronary Artery Bypass Graft Patients With Stable Ischemic Heart Disease  
Iftikhar A. Ch (Chaudhry), Naeem Tahirkheli, Faisal Latif, Ahmad Usmani, Mashal Tahirkheli, Faris Amil, Sabrina Chaudry, Ananya Bhaktaram, Aldon Whitehead, Hunter Weitzel, Raja Ullah, Abdul Qadar, Pei-Tzu Wu, Haris Ijaz, Jeffrey Garrett, Oklahoma Heart Research Foundation, Oklahoma City, OK, USA

368 - Optimal Medical Therapy Use and Long-Term Outcomes in CABG-Eligible Heart Failure Patients: Insights From the STICH Trial  
Pedro Silvio Farsky, Jennifer White, Carla Sueta, Rafal Dabrowski, Ljubomir Djokovic, Mark Drazner, Haissam Haddad, Imtiaz Ali, Matyas Keltai, Ajay Naik, George Sopko, Krzysztof Golba, Bert Andersson, Peter Carson, Tomasz Kukulski, Hussein Al-Khalidi, Jean Rouleau, Eric Velazquez, Christopher O'Connor, Instituto Dante Pazzanese de Cardiologia, Sao Paulo, Brazil, Duke Clinical Research Institute, Durham, NC, USA

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1130

**Acute and Stable Ischemic Heart Disease: Basic 1**  
**Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

369 - Activation of Mir-145/p70s6k1/eNOS Pathway in Microvascular Endothelial Cells by Tongxinluo Alleviates Myocardial Ischemia/Reperfusion Injury-Role of Exosomal Linc-ROR From Cardiomyocytes  
Guihao Chen, Yuejin Yang, Ruijie Tang, Cunrong Huang, Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, People's Republic of China

370 - Hepatokine a1-Microglobulin Signaling Alters Macrophage Polarization, Exacerbates Acute Inflammation and Adverse Left Ventricular Remodeling in Myocardial Infarction  
Daihiko Hakuno, Masahiro Kimura, Yasuhiro Nakashima, Takahiro Horie, Yasuhide Kuwabara, Masataka Nishiga, Yuya Ide, Takeshi Kimura, Koh Ono, Kawasaki Municipal Hospital, Kawasaki, Japan, Graduate School of Medicine, Kyoto University, Kyoto, Japan

371 - Ranolazine Exhibits Anti-Ischemic Properties by Increasing Cardiac Endothelial Cell Adenosine Levels  
Dai-Trang Elizabeth Le, Catherine Davis, Shanthy Nagarajan, Kristin L. Lyon Scott, Zhiping Cao, Helen Liu, Alkayed Nabil, Sanjiv Kaul, VA Portland Health Care System, Portland, OR, USA, Oregon Health and Science University, Portland, OR, USA

372 - Polymorphism Rs2762939 of Cyp24a1 Enzyme and Coronary Artery Disease: Angiographic Results From a Large Prospective Cohort of Patients  
Monica Verdoia, Roberta Rolla, Matteo Nardin, Giuseppe De Luca, AOU Maggiore della Carità, Università del Piemonte Orientale, Novara, Italy

374 - Mitochondrial Fission Inhibitor and Fusion Promoter Attenuate Myocardial Infarction and Left Ventricular Dysfunction in Obese Rats With Cardiac Ischemia-Reperfusion Injury  
Chayodom Maneechote, Siripong Palee, Sasiwan Kerdphoo, Thidarat Jaiwongkam, Siriporn Chattipakorn, Nipon Chattipakorn, Cardiac Electrophysiology Research and Training Center, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand

375 - Bone Morphogenic Protein-1/Tolloid-Like Metalloproteinase Upregulation Profile in Human and Murine Ischemic Heart Failure  
Estibaliz Castillero, Hirokazu Akashi, Catherine Wang, Marc Najjar, Ruiping Ji, Xianghai Liao, Adriana Mills, Rawan Alhau, Kaitlyn Yong, Joanna Kiperman, Jaise John, Shunichi Homma, Veli Topkara, Koji Takeda, Yoshifumi Naka, Giovanni Ferrari, Paolo Colombo, Christian Schulze, Isaac George, College of Physicians and Surgeons of Columbia University, New York, NY, USA

376 - Circulating Levels of Interferon- $\gamma$  and Tumor Necrosis Factor- $\alpha$  Are Associated With Lipid-Rich Coronary Plaque in Psoriasis  
Noor Khalil, Martin Playford, Amit Dey, Youssef Elnabawi, Jonathan Chung, Harry Choi, Milena Aksentijevich, Jenis Argueta-Amaya, Eric Munger, Justin Rodante, Parag Shukla, Andrew Keel, Heather Teague, Yvonne Baumer, Veit Sandfort, Marcus Chen, David A. Bluemke, Joel Gelfand, Nehal Mehta, NHLBI, Bethesda, MD, USA

377 - CHOP Is Identified as the Mediator Switching Apoptosis/Autophagy of Macrophages Which Regulate the Vulnerability of Atherosclerotic Plaques  
Zhongwei Liu, Shuo Pan, Gongchang Guan, Department of Cardiology, Shaanxi Provincial People's Hospital, Xi'an, People's Republic of China

378 - The Effect of Ultrasound Targeted Microbubbles Destruction Mediated Angiotensin II Gene Transfection on Left Ventricular Structural and Sympathetic Remodeling in Myocardial Infarction Canines  
Sheng Cao, Tuantuan Tan, Qing Deng, Nan Jiang, Wei Hu, Bo Hu, Jin-Ling Chen, Qing Zhou, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

380 - Epigenetic Effect of Diabetes on Coding and Non-Coding Platelet Transcriptome in Acute Coronary Syndrome  
Maria Chiara Grimaldi, Iacopo Fabiani, Paolo Aretini, Giovanna Liuzzo, Larosa Giulio, Massimo Volpe, Filippo Crea, Luigi Biasucci, Università Cattolica del Sacro Cuore, Roma, Italy, Sapienza Università di Roma, Roma, Italy

381 - Platelet Mitochondria Enhance Inflammatory Setting and Apoptosis in Diabetic Patients With Nste Acute Coronary Syndrome  
Maria Chiara Grimaldi, Iacopo Fabiani, Paolo Aretini, Giovanna Liuzzo, Larosa Giulio, Massimo Volpe, Filippo Crea, Luigi Biasucci, Università Cattolica del Sacro Cuore, Rome, Italy, Sapienza University of Rome, Rome, Italy

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1131

**Acute and Stable Ischemic Heart Disease: Clinical 1**  
**Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

382 - The HEART Score in Blacks With Emergency Presentation of Chest Pain: A Performance Test and Risk Analysis  
Olusayo Fadiran, Vishnu Priya Mallipeddi, Sumon Mahbubur, Adebayo Christian Atanda, Emmanuel Mbey, Basharat Ahmad, Henry Janna, Julius Ngwa, Daniel A. Larbi, Howard University Hospital, Washington, DC, USA



383 - Comparison of the TIMI, GRACE, PAMI and CADILLAC Risk Scores For Prediction of Cardiovascular Outcomes in Diabetic Patients With ST-Segment Elevation Myocardial Infarction: Data From TSOCS ACS-DM Registry  
Yung-Ta Kao, Chien-Yi Hsu, [Chun-Yao Huang](#), Yi-Chen Hsieh, Jong-Shiuan Yeh, Division of Cardiology, Department of Internal Medicine, Taipei Medical University Hospital, Taipei, Taiwan, ROC, Department of Internal Medicine, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan, ROC

384 - Is Obstructive Sleep Apnea Associated With Sub-Clinical Carotid Atherosclerosis in the Absence of Traditional Risk Factors? A Meta-Analysis of 2053 Patients

[Kleanthis Theodoropoulos](#), [Yuri Malyshev](#), Umer Javed Suleman, Haroon Kamran, Ioannis Starakis, George Hahalas, George D. Dangas, Konstantinos Spiropoulos, Louis Saliccioli, SUNY Downstate, Brooklyn, NY, USA

385 - Quantitative Assessment of Lipid Composition by NIRS-IVUS Is Helpful For Differentiating Among Plaque Rupture, Plaque Erosion, and Calcified Nodule in the Culprit Lesion of ACS

[Kosei Terada](#), Takashi Kubo, Yoshiki Matsuo, Yasushi Ino, Hironori Kitabata, Kunihiko Shimamura, Yasutsugu Shiono, Atsushi Tanaka, Takeshi Hozumi, Takashi Akasaka, Wakayama Medical University, Wakayama, Japan

386 - Incremental Risk For Mortality Among Patients With Diabetes Mellitus: Post Hoc Analysis of the ACCORD Trial

[Mary Branch](#), Joseph Yeboah, Wake Forest Baptist Health, Winston-Salem, NC, USA

387 - TRS2P Predicts Mortality After MI in Young Adults: From the Partners YOUNG-MI Registry

[Avinainder Singh](#), Arman Qamar, Erin Bohula, Ersilia M. DeFilippis, Sanjay Divakaran, Marc Sabatine, David Morrow, Eugene Braunwald, Deepak L. Bhatt, Ron Blankstein, Brigham and Women's Hospital, Boston, MA, USA

388 - Physical Exertion as a Trigger of Non ST-Segment Elevation Acute Coronary Syndrome Caused by Plaque Erosion

[Ayami Kato](#), Yoshiyasu Minami, Aritomo Katsura, Toshimitsu Sato, Yusuke Muramatsu, Ryota Kakizaki, Teruyoshi Nemoto, Takuya Hashimoto, Kazuhiro Fujiyoshi, Kentaro Meguro, Takao Shimohama, Taiki Tojo, Junya Ako, Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagami-hara, Japan

389 - Left Ventricular Diastolic Dysfunction in Patients With ST-Elevation Myocardial Infarction: 10 Years Follow-Up

[Kazuhiro Yajima](#), Noriyuki Ikehara, Yuichiro Yamase, Taizo Kondo, Nobuyuki Ohte, Nagoya City West Medical Center, Nagoya, Japan

390 - Trends in Acute Coronary Syndrome Incidence, Invasive Management and Mortality Outcomes in New Zealand 2006-2016: A National Anzacs-qi Data Linkage Study

[Tom Kai Ming Wang](#), Corina Grey, Yunnan Jiang, Rod Jackson, Andrew Kerr, Middlemore Hospital, Auckland, New Zealand, University of Auckland, Auckland, New Zealand

391 - Comparison of Bleeding Risk Prediction Models With Dual Anti-Platelet Therapy Treatment Among Patients With Acute Coronary Syndromes Treated Medically Without Revascularization

[Guillaume Marquis-Gravel](#), Megan Neely, Marco Valgimigli, Francesco Costa, David Van Klaveren, Deepak L. Bhatt, Rituparna Altner, Paul Armstrong, Keith Fox, Harvey White, E. Magnus Ohman, Matthew Roe, Duke Clinical Research Institute, Durham, NC, USA

392 - Coronary Artery Disease and Non-Alcoholic Fatty Liver Disease in a Multi-Ethnic Society

[Alex Weixian Tan](#), Shaw Yang Chia, Kok Yew Lee, Boon Bee Goh, Khung Keong Yeo, National Heart Centre Singapore, Singapore, Singapore

393 - "De Novo" Heart Failure: A Mechanism Underscoring Sex Differences in Outcomes After ST-Segment Elevation Myocardial Infarction

[Edina Cenko](#), Mihaela van der Schaar, Jinsung Yoon, Olivia Manfrini, Zorana Vasiljevic, Sasko Kedev, Marija Vavlukis, Milika Asanin, Davor Milicic, Lina Badimon, Raffaele Bugiardini, University of Bologna, Bologna, Italy

394 - Biomarker Assessment For Early Infarct Size Estimation in ST-Elevation Myocardial Infarction

[Christina Tiller](#), Martin Reindl, Magdalena Holzknecht, Maximilian Klapfer, Alexander Beck, Benjamin Henninger, Agnes Mayr, Gert Klug, Sebastian Reinstadler, Bernhard Metzler, University Clinic of Internal Medicine III, Cardiology and Angiology, Innsbruck, Austria

395 - Adding Coronary Calcium Score to Exercise Treadmill Test: An Alternative to Better Risk Stratify Patients With Symptomatic Chest Pain at an Outpatient Setting

[Yue Wang](#), Weiting Huang, Natalie Koh, Zijuan Huang, Lohendran Baskaran, Swee Yaw Tan, National Heart Centre Singapore, Singapore, Singapore

396 - CXC Motif Ligand 16: A Novel, Independent Predictor of Cardiovascular Death and Morbidity in Acute Coronary Syndromes - A Substudy of the PLATELET Inhibition and Patient Outcomes Trial

[Thomas Andersen](#), Lars Wallentin, Axel Åkerblom, Thor Ueland, Pal Aukrust, Frederic Kontny, on behalf of PLATO Investigators, Stavanger University Hospital, Stavanger, Norway, Uppsala Clinical Research Center, Uppsala, Sweden

397 - Intravascular Polarimetry Characterizes Plaque Composition and Instability in Patients With Coronary Artery Disease

[Kenichiro Otsuka](#), Martin Villiger, Antonios Karanasos, Laurens van Zandvoort, Pallavi Doradla, Jian Ren, Norman Lippok, Joost Daemen, Roberto Diletti, Robert-Jan van Geuns, Felix Zijlstra, Gijs van Soest, Jouke Dijkstra, Seemantini Nadkarni, Evelyn Regar, Brett Bouma, Massachusetts General Hospital, Boston, MA, USA, Erasmus University Medical Center, Rotterdam, The Netherlands

398 - Diagnostic Performance of Novameds Sens-a-Heart Point of Care Qualitative Assay Compared With High Sensitivity Cardiac Troponin T For the Diagnosis of Acute Coronary Syndrome

[Ronny Alcalai](#), Boris Varshitzky, Ahmad Marhig, Gavriel Shalmiev, Emil Katz, David Stener, Larisa Boguslavsky, Chaim Lotan, Hadassah Hebrew University Medical Center, Jerusalem, Israel

399 - The Impact of Preoperative Length of Stay on Major Adverse Renal and Cardiac Events

[Kristen M. Tecson](#), Kevin R. Wheelan, Peter McCullough, Baylor Heart and Vascular Institute, Dallas, TX, USA, Texas A&M College of Medicine Health Science Center, Dallas, TX, USA

400 - Stress-Induced T-Wave Heterogeneity With Regadenoson Detects Clinically Significant Coronary Artery Stenosis

[Bruna Araujo Silva](#), Bruce Nearing, Alexandre Bortolotto, Alexandre Marum, Ernest Gervino, Richard Verrier, Beth Israel Deaconess Medical Center, Boston, MA, USA, Faculdade de Medicina da Universidade de Sao Paulo, Sao Paulo, Brazil

401 - The Impact of Diabetes and Hba1c on Elder-Patients After Percutaneous Coronary Intervention: From Shinano Registry

[Ayumu Nagae](#), Ken Nishikawa, Takashi Miura, Minami Taki, Masanori Kobayashi, Masafumi Kanai, Takashi Yanagisawa, Naoto Hashizume, Kyuhachi Otagiri, Kyoko Shoin, Yusuke Miyashita, Koki Fujimori, Daisuke Sunohara, Hisanori Yui, Shusaku Maruyama, Chie Nakamura, Daisuke Kashiwagi, keisuke Senda, Takahiro Sakai, Tamon Katou, Tatsuya Saigusa, Soichiro Ebisawa, Ayako Okada, Hirohiko Motoki, Koichiro Kuwahara, Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto City, Japan



402 - Prognostic Utility of a Modified HEART Score When Different Troponin Cut-Points Are Used

Lindsey Aurora, Richard Nowak, Christian Mueller, Giannitsis Evangelos, Robert Christenson, Christopher DeFilippi, Bertil Lindahl, Michael Christ, Richard Body, Gordon Jacobsen, James McCord, Henry Ford Hospital, Detroit, MI, USA

403 - Endothelial Function Predicts 5-Year Adverse Clinical Outcome in Patients Hospitalized in the Emergency Department Chest Pain Unit  
Michael Shechter, Amir Lerman, Megha Prasad, Orly Goitein, Ronen Goldkorn, Michael Naroditsky, Nira Koren-Morag, Shlomi Matetzky, Leviev Heart Center, Sheba Medical Center and Sackler Faculty of Medicine, Tel Aviv University, Ramat Gan, Israel, Division of Cardiovascular Diseases, Mayo Clinic, Rochester, MN, USA

404 - Statin Therapy Among Chronic Kidney Disease Patients Presenting With Acute Coronary Syndrome

Michael Shechter, Shlomi Matetzky, Roy Beigel, Zaza Iakobishvili, Ilan Goldenberg, Sharon Shalom Natanzon, Leviev Heart Center, Sheba Medical Center, Ramat Gan, Israel, Cardiology Department, Rabin Medical Center, Petach Tiqva, Israel

405 - The Predictive Value of the HEART Score Tool Using High-Sensitivity Troponin T: Comparison to Current Generation Troponin T in a United States Acute Chest Pain Population

Karanvir S. Grewal, Galen Hayek, Deep Shah, Shray Jain, Nathan Nahhas, Tamara McMath, Anand Gupta, OhioHealth Research & Innovation Institute, Columbus, OH, USA, Riverside Methodist Hospital, Columbus, OH, USA

406 - Low Achievement of Recommended Low-Density Lipoprotein Cholesterol Goals For Primary or Secondary Prevention in Patients Admitted With Suspected Acute Coronary Syndrome

Jose A. Barrabes, Laia Mila, Rosa-Maria Lidon, Antonia Sambola, Jordi Bañeras, Agnes Rafecas Ventosa, David Garcia-Dorado, Hospital Universitari Vall d'Hebron, Barcelona, Spain

407 - A Novel Approach to Quantifying Risk of Major Cardiovascular Events in Patients 1-3 Years Post-Myocardial Infarction: Insights From the Global Prospective TIGRIS Registry

Stuart J. Pocock, David Brieger, John Gregson, Ji Yan Chen, Mauricio G. Cohen, Shaun G. Goodman, Christopher B. Granger, Richard Grieve, Jose C. Nicolau, Tabassome Simon, Dirk Westermann, Satoshi Yasuda, Katarina Hedman, Kirsten L. Rennie, Karolina Andersson Sundell, AstraZeneca, Gothenburg, Sweden

408 - Complete Atrioventricular Block Is a Poor Prognostic Complication in Patients With Anterior ST-Segment Elevation Myocardial Infarction in the Era of Primary Percutaneous Coronary Intervention

Yosuke Kawamura, Takumi Higuma, Tomohide Endo, Fumie Nishizaki, Shuji Shibutani, Kenji Hanada, Hiroaki Yokoyama, Takashi Yokota, Masahiro Yamada, Hirofumi Tomita, Hirosaki University Graduate School of Medicine, Hirosaki, Japan, St. Marianna University School of Medicine, Kawasaki, Japan

409 - Performance of a New Risk Score (SVEAT Index) to Identify Low Risk Patients Presenting to the Emergency Department With Acute Chest Pain  
Mohamed E. Taha, Sailaja Pispapati, Sammy Aung, Htun Latt, Joseph Thomas, Lavanya Namballa, Hadi J. Al-Hasnawi, Michael K. Taylor, Nagshwara Gullapalli, Chanwit Roongsritong, University of Nevada - Reno, Reno, NV, USA, Renown Regional Medical Center, Reno, NV, USA

410 - Glycated Albumin Is a Predictor of Major Adverse Cardio-Cerebral Events in Nondiabetic Patients With ST-Segment Elevation Myocardial Infarction Underwent Percutaneous Coronary Intervention

Qingbo Liu, Bing Hua, Hehe Cui, Xiaosong Ding, Siwen Liang, Li Zhou, Hui Chen, Hongwei Li, Beijing Friendship Hospital, Capital Medical University, Beijing, People's Republic of China

### Arrhythmias and Clinical EP - Poster Contributions Session #1120

#### Arrhythmias and Clinical EP: Supraventricular/Ventricular Arrhythmias 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

265 - Epicardial Ventricular Tachycardia Ablation Guided by a Novel High-Resolution Contact Mapping System: A Multicentre Study  
Rui Shi, Zhong Chen, Andrianos Kontogeorgis, Fred Sacher, Paolo Della Bella, Caterina Bisceglia, Ruairidh Martin, Christian Meyer, Stephan Willems, Vias Markides, Philippe Maury, Tom Wong, The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, People's Republic of China, The Royal Brompton and Harefield NHS Foundation Trust, London, United Kingdom

266 - Dipole Density Mapping of Atrial Fibrillation and Sinus Rhythm in the Human Left Atrium: A Clinical Validation Study

Rui Shi, Paras Parikh, Zhong Chen, Nathan Angel, Mark Norman, Wajid Hussain, Charlie Butcher, Shouvik Haldar, David G. Jones, Omar Riad, Vias Markides, Tom Wong, The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, People's Republic of China, The Royal Brompton and Harefield NHS Foundation Trust, London, United Kingdom

267 - Characterization of Atrial Flutter After Pulmonary Vein Isolation by Cryoballoon Ablation

Jayson Baman, Rachel Kaplan, Celso Diaz, Graham Peigh, Aakash Bavishi, Amar Trivedi, Mark Shen, Prasongchai Sattayaprasert, Jeremiah Wasserlauf, Alexandru Chicos, Rishi Arora, Susan Kim, Albert Lin, Nishant Verma, Bradley Knight, Rod Passman, Northwestern University, Chicago, IL, USA

268 - Is It Safe to Discontinue Oral Anticoagulation After Catheter Ablation of Atrial Fibrillation? A Systematic Review and Meta-Analysis

Roberto Cerrud-Rodriguez, Jorge Romero, Mario Garcia, Andrea Natale, Luigi Di Biase, Montefiore-Einstein Center for Heart and Vascular Care, Montefiore Medical Center, Bronx, NY, USA

269 - National Economic Cost Burden of Atrial Flutter Only Patients Without Atrial Fibrillation

Steven Kim, Kathryn Kim, Michael Kim, Creighton University School of Medicine, Omaha, NE, USA, CHI Health, Omaha, NE, USA

270 - Lack of Therapeutic Mortality Benefit in Recurrent Ventricular Tachycardia Prevention: A Network Meta-Analysis

Aaqib Malik, Wilbert Aronow, Westchester Medical Center and New York Medical College, Valhalla, NY, USA

271 - Should Catheter Ablation Be the First Line Treatment in Atrial Fibrillation Patients of Heart Failure With Reduced Ejection Fraction?

Aaqib H. Malik, Senada Malik, Wilbert Aronow, Westchester Medical Center and New York Medical College, Valhalla, NY, USA

272 - Comparative Variation in Health Care Resource Utilization Between Patients With Atrial Flutter Only Versus Atrial Fibrillation With or Without Atrial Flutter

Kathryn Kim, Steven Kim, Michael Kim, Creighton University School of Medicine, Omaha, NE, USA, CHI Health, Omaha, NE, USA

273 - Short-Term Unexpected Healthcare Costs After Sentinel Atrial Fibrillation Ablation According to Procedure Type and Success: Results From a Multisite-Hospital System Between 2015-2017

Birju Rao, Faisal Merchant, Michael Lloyd, Emory University, Atlanta, GA, USA





274 - Outcomes of Ischemic Testing Prior to Ablation For Sustained Monomorphic Ventricular Tachycardia

Christopher Schumann, Evan Harmon, Andrew Darby, Rohit Malhotra, John DiMarco, Pamela Mason, Kenneth Bilchick, James Mangrum, John Ferguson, Nishaki Mehta, University of Virginia, Charlottesville, VA, USA

275 - A Novel Risk Model For Very Late Return of Atrial Fibrillation After Cryoballoon Ablation: The SCALE-CryoAF Score

Graham Peigh, Rachel Kaplan, Aakash Bavishi, Celso Diaz, Richard Matiasz, Amar Trivedi, Prasongchai Sattayaprasert, Jeremiah Wasserlauf, Mark Shen, Alexandru Chicos, Rishi Arora, Susan Kim, Albert Lin, Nishant Verma, Bradley Knight, Rod Passman, Division of Cardiology, Northwestern University, Feinberg School of Medicine, Chicago, IL, USA

276 - Non-Fluoroscopic Catheter Ablation of PVC: Results From a Multicenter Study

Ricardo Avendano, Luis Cerna, Luigi Di Biase, Rodney Horton, Sanghamitra Mohanty, Chintan Trivedi, Andrea Natale, Jorge Romero, Albert Einstein College of Medicine/Montefiore Medical Center, Bronx, NY, USA

277 - Valvular Follow-Up After Catheter Ablation of Papillary Muscles and Aortic Cusps in the Treatment of Ventricular Arrhythmias

Justin A. Edward, William Sauer, Matthew Zipse, Wendy S. Tzou, Christine Tompkins, Paul Varosy, Amneet Sandhu, Michael Rosenberg, Ryan Borne, Ryan Aleong, Duy Nguyen, University of Colorado School of Medicine, Aurora, CO, USA

278 - Atrial Fibrillation Incidence, Prevalence, and Risk Factors in the PRECISION Trial: A Cohort Study

Eoin Donnellan, Kathy Wolski, Venu Menon, Mohamed Kanj, Oussama Wazni, Steven Nissen, Khaldoun Tarakji, Cleveland Clinic, Cleveland, OH, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1121

#### Arrhythmias and Clinical EP: Devices 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

279 - Implantable Cardioverter-Defibrillators For Children With Cardiac Conditions Associated With High Risk For Sudden Cardiac Death: A Cost-Effectiveness Analysis

Meredith Boulos, Alyssa Hersh, David Toffey, James Sargent, Eric Stecker, Stephen Heitner, Aaron Caughey, Seshadri Balaji, Oregon Health and Science University, Portland, OR, USA

280 - The Measurement Method of Local Left Ventricular Activation Time Using Guide Wire During CRT Implantation

Takanao Mine, Hideyuki Kishima, Kenki Ashida, Eiji Fukuhara, Masaharu Ishihara, Hyogo College of Medicine, Nishinomiya, Japan

281 - Risk Prediction Model For Permanent Pacemaker Implantation After Transcatheter Aortic Valve Implantation: A Single High Volume Center Experience

Takahiro Tsushima, Fahd Nadeem, Sadeer Al-Kindi, Joshua Clevenger, Eric Bansal, Ankur Kalra, Guilherme Attizzani, Judith Mackall, Marco Costa, Daniel Simon, Mauricio Arruda, Sergio Thal, University Hospitals Cleveland Medical Center, Cleveland, OH, USA

282 - Smartphone Wireless EKG Cloud-Based Management System: First Real World Outpatient Cardiology Experience

Shone Almeida, Eli Gang, Conner Galloway, Matthew Budoff, Ronald Karlsberg, Cardiovascular Research Foundation of Southern California- LA BioMed UCLA, Beverly Hills, CA, USA, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA

283 - Cardiac Implantable Electronic Devices and 6MV Radiotherapy: A Prospective, Randomized, Blinded, In-Vitro Evaluation

Enrico Di Girolamo, Massimiliano Faustino, Nanda Furia, Marianna Appignani, Clelia Di Carlo, Domenico Genovesi, Maria Daniela Falco, Arrhythmology Unit, "SS. Annunziata" Hospital, Chieti, Italy, Radiotherapy Unit, "SS. Annunziata" Hospital, Chieti, Italy

284 - Safety Profiles of Leadless Pacemakers (Micra) Devices: An Analysis of the Food and Drug Administration Manufacturer and User Facility Device Experience (MAUDE) Database

Geetanjali Dang, Mohammed Saleh, Maria Del Carmen Perez, Wilmary Garcia Flete, Raviteja Guddeti, Hussam Abuissa, Venkata Alla, Creighton University, Omaha, NE, USA

285 - Impact of Neurological Performance on Defibrillator Implantation Rates and Long-Term Mortality in Sudden Cardiac Arrest Survivors

Amr Barakat, Alvin Thalappillil, Dingxin Qin, Laith Alkukhun, Norman Wang, Evan Adelstein, Sandeep Jain, N. A. Estes, Samir Saba, UPMC Heart and Vascular Institute, Pittsburgh, PA, USA

286 - Predictors of Long Term (>10 Year) Survival After CRT Placement

Divyang Patel, Kevin Trulock, Saleem Toro, Laurie Ann Moennich, Erich Kiehl, Anirudh Kumar, Adam Grimaldi, Eiran Gorodeski, Mark Niebauer, Bruce Wilkoff, Niraj Varma, John Rickard, Cleveland Clinic, Cleveland, OH, USA

287 - Proportion of HIV-Infected Versus Uninfected Individuals Receiving Cardiac Implantable Electronic Devices Between 2000-2018

Anjali Thakkar, Nalini Colaco, Jennifer Creasman, Smruti Rahalkar, Amrit Narwan, Zian Tseng, Priscilla Hsue, University of California, San Francisco, San Francisco, CA, USA

288 - Can Efficacy Eclipse Safety? The Additive Value of Pacers/ICDs in the CMR Environment

Robert W. W. Biederman, Loretta Gevenosky, Huma Samar, June Yamrozik, Ronald Williams, Richard Lombardi, Moneal Shah, Christopher Bonnet, Mark Doyle, Allegheny General Hospital, Pittsburgh, PA, USA

289 - Correlation of Cardiac Device-Related Masses and Infective Endocarditis

Ayman Elbadawi, Nishit Biniwale, Muhammad Waqas Tahir, Erfan Alotaki, Mohamed Faher Almahmoud, Amr Barakat, Matthew Funderburk, Ann R. Falsey, University of Texas Medical Branch, Galveston, TX, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1122

#### Arrhythmias and Clinical EP: Basic 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

290 - FHF2 Safeguards the Heart Against Reductions in Junctional Conductance

Gabriel Redel-Traub, Akshay Shekhar, John Santucci, Shana Mintz, Fang-Yu Liu, Jie Zhang, David Park, Mitchell Goldfarb, Glenn Fishman, NYU School of Medicine, New York, NY, USA, Hunter College of City University, New York, NY, USA

292 - Risk Factors Associated With Dofetilide Intolerance

Jessica E. Chasler, David Choi, John Lindsley, Ronald Berger, Joseph Marine, David Spragg, Hugh Calkins, The Johns Hopkins Hospital, Baltimore, MD, USA

293 - Dysregulation of Renin and Collagen Remodeling in Atrial Fibrillation

Dimpi Patel, Aleksander Druck, Debra A. Hoppensteadt, Vinod Bansal, Paula Maia, Eugene Brailovsky, Jawed Fareed, Mushabbar A. Syed, Loyola University Chicago Stritch School of Medicine, Maywood, IL, USA



294 - Right Bundle Branch Block Induced by Alcohol Septal Ablation For Hypertrophic Obstructive Cardiomyopathy Does Not Impact Biventricular Remodeling  
Ahmadreza Karimianpour, Davis Leaphart, Mary Lark, Courtney Kramer, Christopher Nielsen, Valerian Fernandes, Michael Gold, Medical University of South Carolina, Charleston, SC, USA

295 - Anticoagulant Use and the Risk of Thromboembolism and Bleeding in Patients With New Atrial Fibrillation Following Non-Cardiac Surgery  
Malik Elharram, Louise Pilote, Michael Quon, Michelle Samuel, Hassan Behloui, Amal Bessissow, McGill University, Montreal, Canada

296 - Role of Sleep Questionnaires in Defining Characteristics in Patients With Atrial Fibrillation Versus Patients With No Atrial Fibrillation in a Cardiology Clinic  
Courtney Smart, Christopher Schumann, Younghoon Kwon, Nishaki Mehta, University of Virginia Medical Center, Charlottesville, VA, USA

### Arrhythmias and Clinical EP - Poster Contributions Session #1123

#### Arrhythmias and Clinical EP: Other 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

297 - Incidence of Atrial Fibrillation During Pregnancy and Its Impacts on Maternal and Fetal Outcomes: A Meta-Analysis  
Pavida Pachariyanon, Wisit Cheungpasitporn, Tarun Bathini, Oisin A. O'Corragain, Charat Thongprayoon, Ronpichai Chokesuwattanaskul, Texas Tech University Health Sciences Center, Lubbock, TX, USA

298 - Periatrial Fat Quality Predicts Atrial Fibrillation Ablation Outcome  
Luisa Ciuffo, Hieu Nguyen, Mateus Diniz Marques, Konstantinos Aronis, Henrique Vasconcellos, Bhraadev Sivasambu, Susumu Tao, David D. Spragg, Joseph Edward Marine, Ronald David Berger, Joao A. C. Lima, Hugh Calkins, Hiroshi Ashikaga, The Johns Hopkins University School of Medicine, Baltimore, MD, USA, University of New Mexico, Albuquerque, NM, USA

299 - Epidemiology and Clinical Significance of Atrial Fibrillation in Patients Cirrhotic: A Meta-Analysis  
Tarun Jacob Bathini, Ronpichai Chokesuwattanaskul, Charat Thongprayoon, Oisin A. O'Corragain, Wisit Cheungpasitporn, Banner University Medical Center, Tucson, AZ, USA

300 - Burden of Mortality and Disease Attributable to Hospitalized Atrial Fibrillation in Cirrhotic Patients in the United States: A Nationwide, Propensity Score Matched Analysis  
Tarun Jacob Bathini, Wisit Cheungpasitporn, Charat Thongprayoon, Ronpichai Chokesuwattanaskul, Patompong Ungprasert, Karn Wijarnpreecha, Paul T. Kröner, Banner University Medical Center, Tucson, AZ, USA, Mayo Clinic, Jacksonville, FL, USA

301 - Anticoagulation For Atrial Fibrillation in Patients With Cirrhosis: A Meta-Analysis  
Tarun Jacob Bathini, Ronpichai Chokesuwattanaskul, Charat Thongprayoon, Oisin A. O'Corragain, Patompong Ungprasert, Wisit Cheungpasitporn, Banner University Medical Center, Tucson, AZ, USA

302 - The Therapeutic Hypothermia For Cardiac Arrest Registry: The "Cool" Registry  
Michael C. Y. Chan, Meagan Dunn, Yazid Al Hamarneh, Ross Tsuyuki, University of Alberta, EPICORE, Edmonton, Canada, Royal Alexandra Hospital, CK Hui Heart Centre, Edmonton, Canada

303 - Serum S100A4 as a Diagnostic and Prognostic Biomarker in Patients Following Atrial Fibrillation Ablation  
Lijun Qian, Ming Chu, Feng Xie, Di Xu, Thomas Porter, University of Nebraska Medical Center, Omaha, NE, USA, The First Affiliated Hospital of Nanjing Medical University, Nanjing, People's Republic of China

304 - Vitamin C Intravenous Treatment In the Setting of Atrial Fibrillation Ablation: Results From the Randomized, Double-Blinded, Placebo-Controlled CITRIS-AF Study  
Cory Trankle, Laura Puckett, Theresa Swift-Scanlan, Christine DeWilde, Robin Sculthorpe, Kenneth Ellenbogen, Alpha Fowler, Jayanthi Koneru, Virginia Commonwealth University, Richmond, VA, USA

305 - Antiplatelet Therapy Prescription Patterns and Associations With Clinical Outcomes in Medicare Beneficiaries With Atrial Fibrillation Prescribed No Oral Anticoagulation After Acute Ischemic Stroke  
Kay-Won Chang, Ying Xian, Xin Zhao, Roland Matsouaka, Lee Schwamm, Gregg Fonarow, Deepak L. Bhatt, Shreyansh Shah, Barbara Lytle, Eric Smith, Jonathan Hsu, University of California, San Diego Medical Center, San Diego, CA, USA

306 - Shorter Procedural Time Using High-Power and Short Duration Ablation Technique  
Camilo Rueda, Jorge Diaz, Bryan Makalintal, Central Florida Regional Hospital, Sanford, FL, USA

307 - Likelihood of Spontaneous Cardioversion Among Patients Presenting to the Emergency Department For Atrial Fibrillation at Short-Term Follow-Up  
Bryan Abadie, Benjamin Hansen, Adam Bernstein, Jennifer Walker, Rohan Pasi, Heather Tuttle, Tiffany Armbruster, Murrum Sadaf, Kevin Biese, Zachariah Deyo, Anil Gehi, University of North Carolina School of Medicine, Chapel Hill, NC, USA

308 - Outcomes of Off-Label Dosing of Direct Oral Anticoagulants in Medicare Beneficiaries With Atrial Fibrillation  
Alexandros Briasoulis, Yubo Gao, Mary Vaughan-Sarrazin, University of Iowa, Iowa City, IA, USA

309 - Prediction of the Heart Rate Corrected QT Interval (QTc) From a Novel, Multilead Smartphone-Enabled ECG Using a Deep Neural Network  
Matthew Schram, Jacqueline Baras Shreibati, Martijn Bos, Conner Galloway, Alexander Valys, Frank Petterson, Vic Gundotra, Dave Albert, Zachi Itzhak Attia, Peter Noseworthy, Paul Friedman, Michael Ackerman, Mayo Clinic, Rochester, MN, USA, AliveCor, Mountain View, CA, USA

310 - U-Shaped Relationship Between Carbohydrate Intake Proportion and Incident Atrial Fibrillation  
Xiaodong Zhuang, Shaozhao Zhang, Huimin Zhou, Zhimin Du, Xinxue Liao, Cardiology Department, the First Affiliated Hospital of Sun Yat-Sen University, Guangzhou, People's Republic of China, Key Laboratory on Assisted Circulation, Ministry of Health, Guangzhou, People's Republic of China

311 - Atrial Defibrillation Using a Novel Epicardial Cooling Device: A Cool New Small Technology  
Omar Ziad Yasin, Alan Sugrue, Greg Seifert, Steve Berhow, Rich Sanders, Joseph Duerr, Joanne Pedersen, Lisa Yngsdal, Dorothy Ladewig, Charles Rittriv, Samuel Asirvatham, Paul Friedman, Mayo Clinic, Rochester, MN, USA, Medicoool Technologies Inc., Rochester, MN, USA

312 - External Validation of the ORBIT Bleeding and the HAS-BLED Score in Atrial Fibrillation Patients Using Direct Oral Anticoagulants: Subanalysis of the DIRECT Registry  
Naoki Mori, Yohei Sotomi, Akio Hirata, Atsushi Hirayama, Yoshiharu Higuchi, Osaka Police Hospital, Osaka, Japan



### Congenital Heart Disease - Poster Contributions

#### Session #1140

#### Congenital Heart Disease: Adult 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

477 - Mechanism and Risk Factors For Death in Adults With Tetralogy of Fallot

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

484 - Pregnancy Outcomes In Women With D-Transposition of the Great Arteries After Atrial Switch

Emily Miller, Mary Cannobio, Brian Koos, Leigh Christopher Reardon, Ahmanson/UCLA Adult Congenital Heart Disease Center, Los Angeles, CA, USA

485 - Podocan Is Inversely Related to Wingless Signaling Pathway Molecules Dickkopf-Related Protein 1 in Relation to Aortic Diameters in Patients With Bicuspid Aortic Valve

Saeeda Fatima, Kanjit Leungsuwan, Jennifer Victory, Julie Tirrell, Melissa Scribani, Paul Jenkins, Deborah Hyanik, Paul Klotman, Randolph Hutter, Daniel Katz, Bassett Medical Center, Cooperstown, NY, USA, Baylor College of Medicine, Houston, TX, USA

486 - Non-Compaction Left Ventricle: Novel Results of Subtle Mri Sub-Analysis

Paolo Angelini, Carlo E. Uribe, Raja Muthupillai, Remy Zock, James T. Willerson, Texas Heart Institute, Houston, TX, USA

487 - Role of Doppler Echocardiography For Assessing Right Ventricular Cardiac Output in Patients With Atrial Septal Defect

Vidhushei Yogeswaran, Rahul Kanade, Camilo Mejia, Alexander Egbe, Mayo Clinic Department of Cardiovascular Medicine, Rochester, MN, USA

488 - Association Between Atrial Septal Defects and Embolic Cerebrovascular Events in Adult Patients Admitted For Acute Pulmonary Embolism

Gbolahan Ogunbayo, Elliott Goodwin, Robert Pecha, Naoki Misumida, Ayman Elbadawi, Samy-Claude Elayi, Ahmed Abdel-Latif, Andrew Leventhal, Adrian Messerli, Susan Smyth, University of Kentucky, Lexington, KY, USA

497 - Adults and Adolescents With Congenital Heart Disease: Who Are We Losing to Follow Up?

J. D. Serfas, Toi Spates, Alfred D'Ottavio, Tracy Spears, Elizabeth Ciociola, Karen Chiswell, Manuela Wiedemeier, Richard Krasuski, Alex R. Kemper, Timothy M. Hoffman, Michael Walsh, Charlie Sang, Karl F. Welke, Jennifer Li, Duke Clinical Research Institute, Durham, NC, USA

498 - Priorities and Understanding of Pregnancy Among Women With Congenital Heart Disease: A Mixed-Methods Study

Nicole L. Herrick, Jordan Stone, Neela Easwar, Yalda Dehghan, Howaida El-Said, Maria Mocerri Casas, Laith Alshwabkeh, University of California San Diego, San Diego, CA, USA, Rady Children's Hospital San Diego, San Diego, CA, USA

### Congenital Heart Disease - Poster Contributions

#### Session #1141

#### Congenital Heart Disease: Therapy 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

489 - Long-Term Systemic Blood Pressure After Endovascular Stenting of Aortic Coarctation: A Systematic Review and Meta-Analysis

Timion Meijs, Evangeline Warmerdam, Martijn Sliker, Gregor Krings, Mirella Molenschot, Folkert Meijboom, Gertjan Sieswerda, Pieter Doevendans, Berto Bouma, Robbert de Winter, Barbara Mulder, Michiel Voskuil, University Medical Center Utrecht, Utrecht, The Netherlands, Academic Medical Center, Amsterdam, The Netherlands

490 - Trifecta Aortic Valve For Pulmonary Valve Replacement

Antonio F. Corno, University of Leicester, Leicester, United Kingdom, Glenfield Hospital, Leicester, United Kingdom

495 - Low-Dose Prostaglandin E1 For Congenital Heart Disease: Is It Time to Revisit the Dosing Guidelines

Daniel Vari, Shashank Behere, Ellen Spurrier, Jeanne Baffa, Nemours Cardiac Center, Wilmington, DE, USA, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE, USA

496 - Rate of Aortic Dilation in Turner Syndrome

Colleen Pater, Iris Gutmark-Little, Justin Tretter, Lisa Martin, Philippe Backeljauw, Nicole Brown, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1143

#### Heart Failure and Cardiomyopathies: Therapy 1

Saturday, March 16, 2019, 9:30 a.m. - 12:00 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

499 - Survival Following Implantable Cardioverter-Defibrillator Implantation in Patients With Cardiac Amyloidosis

Angela Higgins, Amarnath Annappureddy, Yongfei Wang, Karl Minges, Rachel Lampert, Lynda Rosenfeld, Daniel Jacoby, Jephtha Curtis, Edward Miller, James Freeman, Yale University School of Medicine, New Haven, CT, USA, Center for Outcomes Research and Evaluation, Yale New Haven Health Services Corporation, New Haven, CT, USA

500 - Risk of Developing Acute Kidney Injury on the ECMO Circuit in Patients With Acute Decompensated Heart Failure

Manivannan Veerasamy, Michael G. Dickinson, Sangjin Lee, Stephen Fitch, Greg Marco, Marzia Leacche, Theodore Boeve, David E. Langholz, Stefan Jovinge, Spectrum Health, Grand Rapids, MI, USA

501 - Myocardial Dysfunction During Trastuzumab Therapy: A Randomized Single-Center Study

Lafayette W. F. Ramos, Marcos Vinícius Ramos, Eliane Elly, Cristiano Freitas, Isabelle Souto, Felipe Cruz, Brazilian Institute for Cancer Control, São Paulo, Brazil, Marília Medical School (FAMEMA), Marília, Brazil

502 - Implantable Cardioverter-Defibrillator Therapy in Patients Aged Over 75 Years With Ischemic Systolic Heart Failure as Compared With Medical Therapy

Marcelino Cortes, Juan Martinez Milla, Devesa Ana, Ana Lucia Rivero Monteagudo, Mikel Taibo Urquia, Marta Lopez-Castillo, Maria Martin-Mariscal, Sem Briongos-Figuero, Juan Antonio Franco Pelaez, José Tunon, Hospital Universitario Fundación Jiménez Díaz, Madrid, Spain

503 - Elamipretide Improves Mitochondrial Function in Skeletal Muscle of Dogs With Chronic Heart Failure

Hani N. Sabbah, Ramesh C. Gupta, Kefei Zhang, Jiang Xu, Vinita Singh-Gupta, Henry Ford Hospital, Detroit, MI, USA



504 - Long-Term Therapy BAY 1142524, a Chymase-1 Inhibitor, Normalizes Plasma Biomarkers in Dogs With Coronary Microembolization-Induced Heart Failure

Hani N. Sabbah, Ramesh C. Gupta, Vinita Singh-Gupta, Kefei Zhang, Henry Ford Hospital, Detroit, MI, USA

505 - Variation by Age in the Use of Neurohormonal Therapy in Ischemic Heart Failure With Reduced Ejection Fraction

Lauren Gray Gilstrap, Micah Aaron, Rob Wild, Nancy Beaulieu, Michael Chernew, Mary Beth Landrum, The Dartmouth Institute, Dartmouth Medical School, Hanover, NH, USA, Department of Health Care Policy, Harvard Medical School, Boston, MA, USA

506 - Left Atrial Assist Device: A New Device to Treat Patients With Heart Failure With Preserved Ejection Fraction

Kiyotaka Fukamachi, David J. Horvath, Jamshid Karimov, Nicole Byram, Joseph Adams, Yuichiro Kado, Takuma Miyamoto, Barry Kuban, Randall Starling, Cleveland Clinic, Cleveland, OH, USA

507 - Reverse Remodeling Induced by Sacubitril/Valsartan

Ricardo Levin, Marcela Degrange, Rafael Porcile, Flavio Salvagio, Alejandro Botbol, Teresa Zuniga Infantes, Gabriel Perez Bazterrica, Universidad Abierta Interamericana University, Buenos Aires, Argentina

508 - Regional Variation in Chronic Inotrope Infusion in Advanced Heart Failure

Jennifer M. McLeod, Leah Raj, Jeffrey Tran, Luanda Grazette, University of Southern California, Los Angeles, CA, USA

509 - Translation of Clinical Trial to Real World Practice: Can Sacubitril-Valsartan Be Safely Titrated to Target Dose, 97/103mg Bi-Daily, in Clinical Practice and What Baseline Characteristics Predict Successful Titration?

Alexander Dashwood, Cassandra Vale, Shaaheen Laher, Haunnah Rheault, Scott Mckenzie, Yee Weng Wong, The Prince Charles Hospital, Brisbane, Australia, Griffith University, Southport, Australia

510 - Impella 5.0 as a Bridge to Clinical Decision Making

Daniel Nelson, Asim Mohammed, Evan Klein, David Joyce, Medical College of Wisconsin, Milwaukee, WI, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1144

#### Heart Failure and Cardiomyopathies: Clinical 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

511 - Switching From Ramipril to Sacubitril/Valsartan Favorably Alters Electrocardiographic Indices of Ventricular Repolarization in Heart Failure With Reduced Ejection Fraction

Sercan Okutucu, Cengiz Sabanoglu, Begum Yetis, Hakan Aksoy, Nurbanu Bursa, Ali Oto, Memorial Ankara Hospital, Ankara, Turkey

512 - Longitudinal Changes in Medication Dosing Among Patients With Heart Failure With Reduced Ejection Fraction: From the CHAMP-HF Registry

Stephen Greene, Gregg Fonarow, Adam DeVore, Puza Sharma, Muthiah Vaduganathan, Nancy Albert, Carol Duffy, C. Larry Hill, Kevin McCague, J. Herbert Patterson, John A. Spertus, Laine Thomas, Fredonia Williams, Adrian Hernandez, Javed Butler, Duke Clinical Research Institute, Durham, NC, USA

514 - Electrocardiographic Predictors of Readmission in Heart Failure Patients on Modern Medical Therapy

Hamza Oglat, Hiren Patel, Mikhail Torosoff, Albany Medical College, Albany, NY, USA

515 - Markers of Kidney Function and the Risk For Adverse Events in Patients With Heart Failure With Preserved Ejection Fraction

Sanjay Venkatesh, Pratik Sandesara, Sameer Arora, Wesley O'Neal, The University of North Carolina School of Medicine, Chapel Hill, NC, USA

516 - Increasing Methamphetamine-Associated Heart Failure Hospitalizations in the United States

Stephen D. Dickson, Isac Thomas, Marin Nishimura, Janet Ma, William Arend, Eric Adler, Barry Greenberg, Laith Alshawabkeh, UC San Diego, La Jolla, CA, USA

517 - Prognostic Implications of Baseline and Follow-Up Cardiovascular Physical Exams in a Contemporary Trial of Patients With Heart Failure With Reduced Ejection Fraction: PARADIGM-HF

Senthil Selvaraj, Brian Claggett, Andrea Pozzi, John J. V. McMurray, Pardeep Jhund, Milton Packer, Akshay S. Desai, Eldrin F. Lewis, Martin Lefkowitz, Jean L. Rouleau, Victor Shi, Michael R. Zile, Karl Swedberg, Scott D. Solomon, Hospital of the University of Pennsylvania, Philadelphia, PA, USA, Brigham and Women's Hospital, Boston, MA, USA

518 - Utility of Baseline and Follow-Up Cardiovascular Physical Exams in Heart Failure With Preserved Ejection Fraction: TOPCAT

Senthil Selvaraj, Brian Claggett, Sanjiv Jayendra Shah, Inderjit Ananda, Jean L. Rouleau, Akshay S. Desai, Eldrin F. Lewis, Bertram Pitt, Nancy K. Sweitzer, Marc A. Pfeffer, Scott D. Solomon, Hospital of the University of Pennsylvania, Philadelphia, PA, USA, Brigham and Women's Hospital, Boston, MA, USA

519 - Elevated Left Ventricular Filling Pressure on Pre-Transplant Echocardiography Is Not Associated With Adverse Cardiac Events Following Kidney Transplantation

Mehrdad Ghahramani, Brandon Peterson, Mohammed Ruzieh, Andrew Foy, Penn State Health Milton S. Hershey Medical Center, Hershey, PA, USA

520 - The Hospital Readmissions Reduction Program and Changes in the Causes and Timing of Readmissions After Heart Failure Hospitalizations

Paul Bourdillon, Akeem Yusuf, Christopher Kurtz, Nihar Desai, Center for Outcomes Research and Evaluation, New Haven, CT, USA, Amgen Inc., Thousand Oaks, CA, USA

521 - Machine Learning Predicted Filling Pressures From Lung Doppler Signals (LDS) Provide a Novel Method to Monitor Pulmonary Congestion in Congestive Heart Failure Patients

Muhammad Ashraf, Yasir Abdul Ghaffar, Chetan Virmani, Muhammad J. Khalil, Lan Hu, Sirish Shrestha, Marco Piccirilli, Christopher Bianco, Partho Sengupta, WVU Heart & Vascular Institute, Morgantown, WV, USA

522 - Contemporary Etiologies, Treatment Strategies, and Outcomes of Left Ventricular Thrombus

Cian McCarthy, Sean Murphy, Ramkumar V. Venkateswaran, Avinainder Singh, Leslie L. Chang, Melvin G. Joice, Arman Qamar, Muthiah Vaduganathan, James Januzzi, Deepak L. Bhatt, Brigham and Women's Hospital, Boston, MA, USA, Massachusetts General Hospital, Boston, MA, USA

523 - Longstanding Pulmonary Congestion as a Predictor of Clinical Status in Heart Failure

Daniel Kapustin, Kosalan Akilan, Simcha Meisel, Michael Kleiner Shochat, Hillel Yaffe Medical Center, Hadera, Israel, University of Toronto, Faculty of Medicine, Toronto, Canada



524 - Independent Prognostic Values of Clinical Risk Scores, Right Ventricular Systolic Pressure, and N-Terminal Pro-B-Type Peptide in Heart Failure With Preserved Ejection Fraction: Insights From Supervised and Unsupervised Models

Maxime Tremblay-Gravel, Yukari Kobayashi, Kalyani Boralkar, Xiao Li, Sara Bouajila, Tomoko Nishi, Myriam Amsellem, Kegan Moneghetti, Mona Selej, Mehmet Ozen, Utkan Demirci, Euan A. Ashley, Matthew Wheeler, Kirk Knowlton, Tatiana Kouznetsova, Francois Haddad, Stanford University, Stanford, CA, USA

525 - Sex and Gender Differences in Zika Myocarditis

Karina Gonzalez Carta, Ivan J. Mendoza Britto, Yolimar Meza, Igor Morr, Juan Marques, Vicente Jesus Finizola Flores, Thomas Allison, Francisco Lopez-Jimenez, Carmen Terzic, Ivan Mendoza, Mayo Clinic, Rochester, MN, USA, Instituto de Cardiologia Tropical, Universidad Central de Venezuela, Caracas, Venezuela

526 - Safety of Carvedilol in Management of Heart Failure Among Cocaine Users

Raza M. Alvi, Dahlia Banerji, Noor Tariq, Malek Z. O. Hassan, Magid Awadalla, Lili Zhang, Connor P. Mulligan, Adam Rokicki, Maryam Afshar, Tomas G. Neilan, Massachusetts General Hospital-Harvard Medical School, Boston, MA, USA

527 - The Risk of Sudden Cardiac Death Among Heart Failure Patients With HIV

Raza M. Alvi, Anne M. Neilan, Noor Tariq, Malek Z. O. Hassan, Magid Awadalla, Maryam Afshar, Adam Rokicki, Connor Mulligan, Virginia A. Triant, Markella V. Zanni, Tomas G. Neilan, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA

528 - The Cardiovascular Effects of Chimeric Antigen Receptor T-Cells

Raza M. Alvi, Syed Mahmood, Malek Z. O. Hassan, Magid Awadalla, Lili Zhang, Connor P. Mulligan, Adam Rokicki, Noopur Rajee, Jeremy Abramson, Matthew J. Frigault, Tomas G. Neilan, Massachusetts General Hospital-Harvard Medical School, Boston, MA, USA

529 - Clinical Predictors of Global Longitudinal Strain Recovery in Takotsubo Cardiomyopathy

Adil Wani, Renuka Jain, Susan Olet, Bijoy K. Khandheria, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

530 - Creating an Inpatient Diuresis Dashboard For Acute Decompensated Heart Failure: A Time-Motion Study of Electronic Medical Record Use

William E. Yang, Rosanne Rouf, Venkat P. Gundareddy, Regina S. Kauffman, Amy Knight, Johns Hopkins University School of Medicine, Baltimore, MD, USA

531 - High Right Atrial Pressure and Bleeding Events in Orally Anticoagulated Patients With Heart Failure With Preserved Ejection Fraction

Lore Schrutka, Benjamin Seirer, Franz Duca, Christina Binder, Daniel Dalos, Christian Nitsche, Andreas Kammerlander, Stefan Aschauer, Klaus Distelmaier, Marianne Gwechenberger, Heinz Goessinger, Christian Hengstenberg, Julia Mascherbauer, Diana Bonderman, Medical University of Vienna, Vienna, Austria

532 - Microvascular Endothelial Function Differs Between Heart Failure With Preserved Ejection Fraction Phenotypes

Andreas Gevaert, Birgit Boehm, Flavia Baldassarri, Inge Goovaerts, Tibor Stoop, Haley Hartmann, Stephan Mueller, Andre Duvinage, Elisabeth Kraigher-Krainer, Caroline M. Van De Heyning, Paul J. Beckers, Ulrik Wisloff, Burkert Pieske, Ephraim B. Winzer, Martin Halle, Emeline M. Van Craenenbroeck, OPTIMEX Investigators, University of Antwerp, Antwerp, Belgium, Technische Universitaet Muenchen, Munich, Germany

533 - Inpatient Acute Heart Failure Mortality Model Discharge Variables Are Not Superior to Admission Variables

Connie Lewis, Pikki Lai, Sean Collins, JoAnn Lindenfeld, Zachary Cox, Vanderbilt University Medical Center, Nashville, TN, USA, Lipscomb College of Pharmacy and Health Sciences, Nashville, TN, USA

534 - Periodic Limb Movements in Sleep and Heart Failure: Effects of ASV Treatment of Central Sleep Apnea

Jiang Xie, Naima Covassin, Anwar Chahal, Prachi Singh, Virend Somers, Sean Caples, Mayo Clinic, Rochester, MN, USA, Beijing Anzhen Hospital, Beijing, People's Republic of China

535 - Relative Effects of the Hospital Readmissions Reduction Program For Congestive Heart Failure on Hospitals That Serve Poorer Patients

Jason H. Wasfy, Vijeta Bhambhani, Emma Healy, Christine Choirat, Francesca Dominici, Changyu Shen, Yun Wang, Robert Yeh, Massachusetts General Hospital, Boston, MA, USA

536 - Coronary Microvascular Dysfunction and Clinical Outcomes in Patients With Heart Failure With Preserved Ejection Fraction

Tess Allan, Kathryn Dryer, Mark Gajjar, Jonathan Paul, Atman Shah, Sandeep Nathan, Javed Butler, Charles Davidson, William Fearon, Sanjiv Shah, John Blair, University of Chicago Pritzker School of Medicine, Chicago, IL, USA, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

537 - Sub-Clinical Impaired Ventricular-Arterial Coupling in Patients With Left Ventricular Hypertrophy Plus Elevated Biomarkers

Michinari Hieda, Satyam Sarma, Christopher M. Hearon Jr., Katrin A. Dias, Dean Palmer, Jose Martinez Diaz, Mitchel Samels, Braden Everding, Sheryl Livingston, Margot Morris, Benjamin D. Levine, University of Texas Southwestern Medical Center, Institute for Exercise and Environmental Medicine, Dallas, TX, USA

538 - Assessment of Contributing Risk Factors Leading to Heart Failure in Methamphetamine User Patients

Javad Savoj, Napatkamon Ayutyanont, Christian Vandever, Rajesh Gulati, Mimi Biswas, Riverside Community Hospital/University of California Riverside, Riverside, CA, USA

539 - A Score Comprised of Novel Metabolites Related to Myocardial Energetics Is Associated With Sex Disparities in Heart Failure Outcomes

Aditi Nayak, Chang Liu, Karan Uppal, Dean Jones, Arshed Quyyumi, Javed Butler, Alanna A. Morris, Emory University, Atlanta, GA, USA

540 - Identifying Phenogroups in Patients With Diastolic Dysfunction Using Cluster Analysis

Yvonne E. Kaptein, Hongquan Zuo, Yu Lu, Jun Zhang, John S. Kaptein, Jennifer Strande, Medical College of Wisconsin Affiliated Hospitals (MCWAH), Milwaukee, WI, USA, University of Wisconsin-Milwaukee, Milwaukee, WI, USA

541 - Soluble Urokinase Type Plasminogen Activator Receptor (suPAR) Reflects Exercise Tolerance and Predicts Adverse Cardiac Events in Patients With Heart Failure

Yasuhiro Izumiya, Hirotoishi Ishikawa, Atsushi Shibata, Minoru Yoshiyama, Osaka City University, Osaka, Japan

542 - Incidence of Subclinical Cardiovascular Immune-Related Adverse Events in Patients Undergoing Immunochemotherapy For Lung Cancer: A Propensity-Matched Analysis

Tsuyoshi Isawa, Sendai Kousei Hospital, Sendai, Japan



543 - Evaluation of Trends in Readmission and Mortality Rates After Heart Failure Hospitalization in the Veterans Affairs Health Care System Between 2007 and 2017

Justin Parizo, Shun Kohsaka, Alex Sandhu, Jay Patel, Paul Heidenreich, Stanford University Medical Center, Stanford, CA, USA, Palo Alto Veterans Hospital, Palo Alto, CA, USA

544 - The Neurohormonal Basis of Pulmonary Hypertension in Heart Failure With Preserved Ejection Fraction

Masaru Obokata, Yogesh Reddy, Vojtech Melenovsky, Petr Jarolim, Barry Borlaug, Mayo Clinic, Rochester, MN, USA

545 - Long-Term Impairment of Cardiorespiratory Fitness and Left Ventricular Systolic Function After Trastuzumab Cardiotoxicity in Her2-Positive Breast Cancer Survivors

Anthony F. Yu, Lee Jones, Chau Dang, Richard Steingart, Jennifer Liu, Memorial Sloan Kettering Cancer Center, New York, NY, USA

546 - Structural Inequities in the Admission Patterns of Patients With Heart Failure to General Medicine or Cardiology Services

Lauren A. Eberly, Aaron G. Richterman, Bram Wispelwey, Jennifer Goldsmith, Robert B. Boxer, Katherine C. Brooks, Robert Glynn, Joseph Loscalzo, Michelle Morse, Eldrin Lewis, Brigham and Women's Hospital, Boston, MA, USA

547 - Outcomes in Patients Undergoing Cardiac Re-Transplantation: A Propensity Matched Cohort Analysis of the UNOS Registry

Robert J. H. Miller, Brian Clarke, Jonathan Howlett, Kiran Khush, Jeffrey Teuteberg, Francois Haddad, Section of Heart Failure, Cardiac Transplant, and Mechanical Circulatory Support, and Department, Palo Alto, CA, USA, Division of Cardiac Sciences, Libin Cardiovascular Institute of Alberta, University of Calgary, Calgary, Canada

548 - Prognostic Utility of Diastolic Dysfunction and Speckle Tracking in Patients With Heart Failure With Reduced Ejection Fraction

Sune Bengtssen Holm Hansen, Philip Brainin, Morten Sengeløv, Peter Jørgensen, Niels Eske Bruun, Flemming Javier Olsen, Thomas Hansen, Morten Schou, Gunnar Gislason, Tor Biering-Sorensen, University of Copenhagen, Copenhagen, Denmark, Herlev and Gentofte Hospital, Hellerup, Denmark

549 - Modified Body Mass Index in Transthyretin Cardiac Amyloidosis: Association With Outcomes and the Clinical Phenotype

Elissa Driggin, Mathew Maurer, Sergio Teruya, Jeffery De Los Santos, Stephen Helmke, Samantha Guadalupe, Columbia University Medical Center, New York, NY, USA

550 - The Impact of Insulin Use in Diabetic Patients on Heart Failure Admissions

Hiren Patel, Thomas Breen, Joshua Schulman-Marcus, Edward Philbin, Ashar Ata, Radmila Lyubarova, Albany Medical College, Albany, NY, USA

551 - Higher Resting Heart Rate Improves Heart Failure Symptoms and Exercise Capacity in Patients With Diastolic Dysfunction

Kramer Wahlberg, Maren Arnold, Daniel Lustgarten, Markus Meyer, University of Vermont Medical Center, Burlington, VT, USA

552 - Heart Failure-Exacerbating Medication Use Is Common Both Before and After a Heart Failure Hospitalization

Jerard Kneifati-Hayek, Alexi Archambault, Krisha Mehta, Ligong Chen, Ivan Diaz, Joseph Hanlon, Emily Levitan, Mark Lachs, Mathew Maurer, Monika Safford, Parag Goyal, Weill Cornell Medicine, New York, NY, USA, Columbia University Irving Medical Center, New York, NY, USA

553 - Low Iron Is Strongly Associated With Adverse Outcomes in Acute Decompensated Heart Failure (ADHF) Patients: From Nara-HF Study  
Tomoya Ueda, Satomi Ishihara, Yasuki Nakada, Makoto Watanabe, Rika Kawakami, Hiroyuki Okura, Yoshihiko Saito, Nara Medical University, Kashihara, Japan

554 - Impact of Obesity in Hospitalized Patients With Congestive Heart Failure

Rama Dilip Gajulapalli, Amer Kadri, Johnny Chahine, Mohamed Gad, Serge Harb, Cleveland Clinic, Cleveland, OH, USA

555 - Cardiovascular Risk Profile and Diseases in Patients With Sarcoidosis in the ACALM Big Data Registry

Paul R. Carter, Christopher Miller, Rahul Potluri, ACALM Study Unit in collaboration with Aston Medical School, Aston University, Birmingham, United Kingdom

560 - Gut Microbiome Differs Between Heart Failure With Preserved Ejection Fraction and Age-Matched Controls

Scott L. Hummel, Christine Bassis, Cara Marolt, Matthew Konerman, Thomas M. Schmidt, University of Michigan, Ann Arbor, MI, USA

561 - Topological Data Analysis For Quantifying Inter-Patient Similarities in Cardiac Function

Marton Tokodi, Sirish Shrestha, Muhammad Ashraf, Grace Casaclang-Verzosa, Partho Sengupta, Heart & Vascular Institute, West Virginia University, Morgantown, WV, USA

566 - Low Brain Natriuretic Peptide in Hemodynamically Proven Heart Failure Preserved Ejection Fraction: An Invasive-Echocardiographic Characterization Study

Shane Nanayakkara, Anna L. Beale, Shona Evans, Donna Vizi, David Kaye, The Alfred, Melbourne, Australia, Baker Heart and Diabetes Institute, Melbourne, Australia

### Heart Failure and Cardiomyopathies - Poster Contributions Session #1145

**Heart Failure and Cardiomyopathies: Basic 1**  
**Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

556 - Down-Regulation of Lncrna-d1 Promotes Heart Failure Down-Regulation of Lncrna-d1 Promotes Heart Failure

Chen Chen, Xiang Nie, Dao Wen Wang, Tongji Hospital, Wuhan, People's Republic of China

557 - Sexual Dimorphism in Cardiometabolic Status and Cardiac Mitochondrial Function in Obese-Insulin Resistant Rats Following Sex Hormone Deprivation

Krekwit Shinlapawittayatorn, Wanpitak Pongkan, Sivaporn Sivasinprasasn, Siriporn Chattipakorn, Nipon Chattipakorn, Faculty of Medicine, Chiang Mai University, Mueang, Chiang Mai, Thailand

558 - Multidrug Resistance Protein 5 (MRP5), a cGMP Efflux Transporter Is Upregulated in Left Ventricular Myocardium of Dogs With Chronic Heart Failure

Ramesh C. Gupta, Vinita Singh-Gupta, Hani N. Sabbah, Henry Ford Hospital, Detroit, MI, USA

559 - Upregulation of CD38 and Downregulation of NAD in Mitochondria of Left Ventricular Myocardium of Dogs With Heart Failure: A Cellular Energy-Limiting Maladaptation

Ramesh C. Gupta, Vinita Singh-Gupta, Hani N. Sabbah, Henry Ford Hospital, Detroit, MI, USA



562 - No Differences in Rest Myocardial Blood Flow in Stunned and Hibernating Myocardium: Insights From Positron Emission Tomography Myocardial Perfusion Imaging Into the Pathophysiology of Ischemic Cardiomyopathy  
Dominik C. Benz, Oliver Gaemperli, Philipp A. Kaufmann, Ronny Buechel, Department of Nuclear Medicine, Cardiac Imaging, University Hospital Zurich, Zurich, Switzerland

563 - Effect of Electronic and Conventional Cigarette Smoke Extract on iPSC-Derived Cardiomyocytes  
Hesham Basma, Swetha Tatineni, Kajari Dhar, Fang Qiu, Stephen Rennard, Brian Lowes, University of Nebraska Medical Center, Omaha, NE, USA

564 - Characterization by Multimodality Imaging of a Large Animal Model of Ischemic Dilated Cardiomyopathy With Translational Implications  
Juan Martinez Milla, Carlos Galan-Arriola, Manuel Lobo Gonzalez, Manuel Carnero, Francisco Javier Cobiella, Jesus Mateo Castro, Jean Paul Vilchez, Beatriz Salinas, Lorena Cussó, Gonzalo Javier Lopez, Valentin Fuster, Borja Ibanez, Centro Nacional de Investigaciones Cardiovasculares, Madrid, Spain

565 - Aging Aggravates Left Ventricular Dysfunction in Obesity Through the Impairment of Mitochondrial Function, Autophagy, and Increased Apoptosis in Obese Rats  
Cherry Bo-Htay, Thazin Shwe, Krekwit Shinlapawittayatorn, Siripong Palee, Siriporn Chattipakorn, Nipon Chattipakorn, Cardiac Electrophysiology Research and Training Center, Faculty of Medicine, Chiang Mai, Thailand

### Interventional Cardiology - Poster Contributions Session #1100

**Interventional Cardiology: Complex Patients/Comorbidities 1**  
**Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

001 - Should All Patients With Out of Hospital Cardiac Arrest Be Transferred to a 24/7 Primary Percutaneous Coronary Intervention Centre and Undergo Urgent Coronary Angiography? Experience of a Busy Regional Primary Percutaneous Intervention Centre in England  
Aish Sinha, Lucie Pearce, Chloe Thompson, Jane Fisher, Debkumar Pandit, Mark Snazelle, Paula Mota, Richard Heppell, Keyvan Kamalvand, William Harvey Hospital, Ashford, United Kingdom

002 - Safety and Efficacy of Stent Ablation With Rotational Atherectomy For Management of Un-Dilatable and Non-Salvageable Coronary Stents  
Hoyle Whiteside, Arun Nagabandi, Tarun Sharma, Deepak Kapoor, Medical College of Georgia at Augusta University, Augusta, GA, USA

003 - Achievement of Guideline Directed Medical Therapy Goals in Complex Higher-Risk (and Indicated) Patients Undergoing Percutaneous Coronary Intervention  
Andre Cheng, Anurag Deeconda, Darshan Doshi, Dimitrios Karpaliotis, Manish Parikh, Tamim Nazif, Ziad Ali, Philip Green, Sahil Parikh, Torsten P. Vahl, Susheel Kodali, Michael Collins, Gregg Stone, Martin Leon, Jeffrey Moses, Ajay Kirtane, New York Presbyterian Hospital/Columbia University Medical Center, New York, NY, USA

004 - The Prognosis of Worsening Renal Function After Percutaneous Coronary Intervention: From SHINANO 5 Year Registry  
Yoshiteru Okina, Takashi Miura, Keisuke Senda, Minami Taki, Masanori Kobayashi, Masafumi Kanai, Yukari Ookuma, Takashi Yanagisawa, Naoto Hashizume, Kyuhachi Otagiri, Kyoko Shoin, Noboru Watanabe, Kenichi Karube, Hiroyuki Nakajima, Tatsuya Saigusa, Soichiro Ebisawa, Yusuke Miyashita, Nagano Municipal Hospital, Nagano, Japan

005 - Ethnic Differences in 10 Year Clinical Outcomes After Drug Eluting Stenting: Why Do African Americans Fare So Poorly?  
Stephen G. Ellis, Leslie Cho, Russell Raymond, Ravi Nair, Conrad Simpfendorfer, Murat Tuzcu, Christopher Bajzer, A. Lincoff, Samir Kapadia, Cleveland Clinic, Cleveland, OH, USA

006 - Revascularization of Complex Coronary Artery Disease by the Presence of Heart Teams in the United States: Results From the Translating Outstanding Performance in Percutaneous Coronary Intervention (TOP PCI) Study  
Mohammed S. Al-Damluji, Karl Mingos, Paul Fiorilli, Craig Parzynski, Jephtha Curtis, Yale University, New Haven, CT, USA, University of Connecticut, Farmington, CT, USA

### Interventional Cardiology - Poster Contributions Session #1101

**Interventional Cardiology: Coronary Intervention: CTO 1**  
**Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

007 - Novel Predictors of Chronic Lumen Enlargement of Distal Reference After Successful Chronic Total Occlusion Recanalization  
Yoshiyuki Okuya, Yuichi Saito, Takefumi Takahashi, Koichi Kishi, Yoshikazu Hiasa, Tokushima Red Cross Hospital, Komatsushima, Japan

008 - Comparison of the Incidence, Clinical Characteristics, and Procedural Outcomes of Chronic Total Occlusion Interventions Among Different Target Vessels: Insights From a Contemporary Multicenter-Registry  
Iosif Xenogiannis, Dimitrios Karpaliotis, Khaldoon Alaswad, Farouc Jaffer, Mitul Patel, Ioannis Tsiafoutis, Barry Uretsky, M. Nicholas Burke, A. J. Conrad Smith, Habib Samady, Brian Jefferson, Taral Patel, Elizabeth Holper, Jeffrey Moses, Nicholas Lembo, Manish Parikh, Ajay Kirtane, Ziad Ali, Fotis Gargoulas, Peter Tajti, Allison B. Hall, Rangan Bavana, Shuaib Abdullah, Subhash Banerjee, Emmanouil S. Brilakis, Minneapolis Heart Institute, Minneapolis, MN, USA

009 - Contemporary Outcomes of Chronic Total Occlusion Percutaneous Coronary Interventions: Update From the PROGRESS CTO (PROspective Global REgiSty for the Study of Chronic Total Occlusion Intervention) Registry  
Iosif Xenogiannis, Dimitrios Karpaliotis, Khaldoon Alaswad, Oleg Krestyaninov, Dmitrii Khelimskii, James Choi, Farouc Jaffer, Mitul Patel, Ehtisham Mahmud, David Kandzari, Anthony Doing, Michalis Koutouzis, M. Nicholas Burke, Jaikirshan Khatri, Catalin Toma, Robert Yeh, R. Michael Wyman, Wissam Jaber, Taral Patel, Srinivasa Potluri, Peter Tajti, Allison B. Hall, Bavana Rangan, Subhash Banerjee, Emmanouil S. Brilakis, Minneapolis Heart Institute, Minneapolis, MN, USA

010 - Computed Tomography Angiography Co-Registration With Real-Time Fluoroscopy in Chronic Total Occlusion Percutaneous Coronary Interventions  
Iosif Xenogiannis, M. Nicholas Burke, Michael Megaly, Allison B. Hall, Peter Tajti, Pamela W. Morley, Bavana Rangan, Emmanouil S. Brilakis, Minneapolis Heart Institute, Minneapolis, MN, USA

011 - Associations of Bleeding and Ischemic Outcomes With Duration of Thienopyridine Therapy After Percutaneous Coronary Intervention For Coronary Chronic Total Occlusion  
Amit Sachdeva, Edward McNulty, Yun-Yi Hung, Kaiser Permanente Northern California, Division of Research, Oakland, CA, USA



012 - Chronic Total Occlusion Percutaneous Coronary Interventions in Latin America: Characteristics, Outcomes and Predictors of Unsuccessful Procedures

Alexandre Quadros, Joao De Paula, Carlos Campos, Antonio Carlos Botelho, Ricardo Santiago-Trinidad, Marcelo Ribeiro, Pablo Manuel Lamelas, Anibal Pereira Abelin, Franklin Hanna, Mario Araya, Marcelo Cantarelli, Fabio De Brito, Cleverson Zukowski, Antônio José Muniz, Julia Kurtz Teixeira, Sandra Baradel, Luiz Fernando Ybarra, Pedro Piccaro De Oliveira, Daniel Weillenmann, Karlyse Belli, Lucio Padilla, Institute of Cardiology of Rio Grande do Sul/University Foundation of Cardiology, Porto Alegre, Brazil

013 - Chronic Total Occlusion Coronary Intervention Through Snuffbox Access: Two Centers Experience

Mohamed Elbayoumi, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan, ROC, Xiamen Chang Gung Memorial Hospital, Xiamen, People's Republic of China

014 - In Hospital and Long Term Outcomes in Patient With Chronic Kidney Disease Undergoing Percutaneous Coronary Intervention For Coronary Chronic Total Occlusion: A Meta-Analysis

Udit Joshi, Harsh Rawal, Hiren Patel, Sagar Ranka, Hitesh Chawla, Vamsi Kodumuri, John H. Stroger Jr. Hospital of Cook County, Chicago, IL, USA

### Interventional Cardiology - Poster Contributions

#### Session #1102

#### Interventional Cardiology: ACS/AMI/Hemodynamics and Pharmacology 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

015 - Mortality in Infarct-Related Cardiogenic Shock Patients Treated With an Impella Microaxial Pump: Influence of Timing and Predicted Risk

Andreas Schaefer, Nikos Werner, Ralf Westenfeld, Jacob E. Moller, Hannover Medical School, Hannover, Germany

016 - Impact of the Clinical Frailty Scale on Adverse Events in Patients With St-Segment Elevation Myocardial Infarction Impact of the Clinical Frailty Scale on Adverse Events in Patients With St-Segment Elevation Myocardial Infarction

Masanari Kurobe, Yasuhiro Uchida, Jun Yonekawa, Yuichiro Makino, Akinori Satake, Wataru Suzuki, Koji Mizutani, Yoshiaki Mizutani, Hitoshi Ichimiya, Junji Watanabe, Masaaki Kanashiro, Satoshi Ichimiya, Yokkaichi Municipal Hospital, Yokkaichi-City, Japan

017 - Duration of Antiplatelet Therapy After Percutaneous Coronary Intervention in Patients on Oral Anticoagulants in Clinical Practice

Jared Tobolski, J. Abbott, Dhaval Kolte, Jephtha Curtis, Ravi Hira, Yongfei Wang, Karl Mingos, Lifespan, Rhode Island Hospital, Providence, RI, USA

018 - Expanding LATIN Telemedicine Project: 100 Million Coverage, 700,000 Screened Patients, and 8,000 Stemi

Sameer Mehta, Roberto Botelho, Francisco Fernandez, Fausto Feres, Alexandre Abizaid, Jamil Cade, Marco Perin, Mauricio Prudente, Ricardo Cavalcanti, Cesar Dusilek, Nabil Hamdan, Luis Ignacio Calderon, Edgar Hurtado, Marco Alcocer Gamba, Alfredo Estrada, Odin De Los Rios, Alejandro Ricalde, Hernan Acosta, Lorena Villagran, Mario Alberto Torres, Daniel Vieira, Jorge Mazinni, Haytham Aboushi, Alejandra Frauenfelder, Gladys Pinto, Lumen Foundation, Miami, FL, USA

019 - Can We Forego Routine Intensive Care Unit (ICU) Admission in Patients Undergoing Primary PCI For STEMI? Insights From the Blue Cross Blue Shield of Michigan Cardiovascular Consortium (BMC2)

Ahmad Abdul-Aziz, Devraj Sukul, Milan Seth, Hitinder Gurm, University of Michigan, Ann Arbor, MI, USA, Blue Cross Blue Shield of Michigan Cardiovascular Consortium, Ann Arbor, MI, USA

020 - Predictors of Intensive Care Unit (ICU) Utilization Among Patients With ST-Segment Myocardial Infarction: Insights From the Blue Cross Blue Shield of Michigan Cardiovascular Consortium (BMC2)

Ahmad Abdul-Aziz, Devraj Sukul, Milan Seth, Hitinder Gurm, University of Michigan, Ann Arbor, MI, USA

021 - Time-Dependent Prognostic Effect of High Sensitivity C-Reactive Protein With Statin Therapy in Acute Myocardial Infarction

Dong Oh Kang, Yoonjee Park, Ji Hoon Seo, Myung Ho Jeong, Won Young Jang, Woohyeon Kim, Eun Jin Park, Byoung Geol Choi, Jin Oh Na, Cheol Ung Choi, Eung Ju Kim, Seung-Woon Rha, Chang Gyu Park, Hong Seog Seo, Cardiovascular Center, Korea University Guro Hospital, Seoul, South Korea, Department of Internal Medicine and Heart Center, Chonnam National University Hospital, Gwangju, South Korea

022 - Unexpected Inverted U-Shaped Relationship Between Troponin Level and Mortality Explained by Revascularization in Both Patients With and Without Acute Coronary Syndrome (TROP-RISK Study)

Amit Kaura, Vasileios Panoulas, Benjamin Glampson, Jim Davies, Kerrie Woods, Abdulrahim Mulla, Joe Omigie, Anoop D. Shah, Keith Channon, Jonathan N. Weber, Mark R. Thurst, Paul Elliott, Harry Hemingway, Bryan Williams, Folkert W. Asselbergs, Michael O'Sullivan, Rajesh Kharbada, Graham M. Lord, Narbeh Melikian, Riyaz Patel, Divaka Perera, Ajay Shah, Darrel Francis, Jamil Mayet, NIHR Imperial Biomedical Research Centre, Imperial College London, London, United Kingdom

023 - Hospital Rankings For Mortality After Acute Myocardial Infarction Compared With Rankings For Mortality After Percutaneous Coronary Intervention in New York State

Ashwin Nathan, Sameed Ahmed Khatana, Robert Yeh, Peter Groeneveld, Jay Giri, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

024 - Differences in the Effect of Clopidogrel Between Men and Women: A Genetic Approach

Louise Pilote, Amanpreet Kaur, James Engert, George Thanassoulis, Valeria Raparelli, Rachel Dreyer, Research Institute of the McGill University Health Centre, Montreal, Canada, Yale University School of Medicine, New Haven, CT, USA

025 - Patients With Cardiac Tamponade Admitted During Weekend Hours Have Worse In-Hospital Outcomes: A Report From the National In-Patient Sample of 2016

Faris Haddadin, Dhruvajyoti Bandyopadhyay, Hassan Beydoun, Alba Munoz Estrella, Vivek Modi, Jacqueline Tamis-Holland, Mount Sinai St. Luke's and West, New York, NY, USA

026 - Impact of Hemodynamic Support With Impella on Subsequent Acute Kidney Injury Relative to Predicted Risk in Patients Undergoing High-Risk Percutaneous Coronary Intervention: An Analysis From the Prospective cVAD Study

Michael P. Flaherty, Jeffrey Moses, Ralf Westenfeld, Igor Palacios, Roxana Mehran, Kentuckiana Heart Institute, Clarksville, IN, USA, Mount Sinai School of Medicine, New York, NY, USA

### Interventional Cardiology - Poster Contributions

#### Session #1103

#### Interventional Cardiology: Aortic Valve Disease 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

027 - Temporal Trends in 30-Day and 1-Year Mortality Rates After Transcatheter Aortic Valve Replacement: A Systematic Review and Meta-Regression Analysis

Soeren Mattke, Stefan Schneider, Patrick Orr, Darius Lakdawalla, Dana Goldman, University of Southern California, Los Angeles, CA, USA





028 - Geographic Variation and Trends in Outcomes of Transcatheter Aortic Valve Replacement in United States

Harun Kundi, Jeffrey J. Popma, Yun Wang, Linda Valsdottir, Robert Yeh, BIDMC, Boston, MA, USA

029 - Prognostic Impact of Prior Radiation Exposure in Cancer Survivors With Severe Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement

Nikhil Agrawal, Sharma Kattel, Vasvi Singh, Ankita Kapoor, Ashutosh Sharma, Vijay Iyer, Umesh Sharma, The State University of New York at Buffalo, Buffalo, NY, USA

030 - Predictors of Worsening or Persistent Tricuspid Regurgitation After Transcatheter Aortic Valve Replacement

Diane Tang, Mark Pianka, Andrea Liferieri, Catherine Wang, Paul Armenta, Karina Guaman, Rawan Alhau, Anisha Vasireddi, Vratika Agarwal, Mariusz Wolbinski, Jonathan Rubin, Sahil Khera, Vivian Ng, Amisha Patel, Torsten Vahl, Omar Khaliq, Vinayak Nilkanth Bapat, Martin Leon, Rebecca Hahn, Tamim Nazif, Susheel Kodali, Isaac George, NewYork-Presbyterian Hospital/Columbia University Medical Center, New York, NY, USA

031 - Impact of Obesity on the Outcomes After Transcatheter Aortic Valve Replacement

Norihiko Kamioka, Hope Caughron, John Lisko, Patricia Keegan, Jose Binongo, Jane Wei, Isida Byku, Lucia Alvarez, Shawn Reginauld, Hima Patel, Aneasha Maini, Bradley Leshnow, Chandan Devireddy, Kretton Mavromatis, James Stewart, Peter Block, Robert Guyton, Kendra Grubb, Adam B. Greenbaum, Vasilis Babaliarios, Emory University, Atlanta, GA, USA

032 - Impact of Hemodialysis on Early Degeneration of Bioprosthesis and Clinical Outcome After Transcatheter Aortic Valve Replacement

Norihiko Kamioka, Hope Caughron, John Lisko, Jose Binongo, Zakaria Almuwaqqat, Patricia Keegan, Patrick Gleason, Isida Byku, Lucia Alvarez, Shawn Reginauld, Aneasha Maini, Kendra Grubb, Chandan Devireddy, Kretton Mavromatis, Bradley Leshnow, James Stewart, Robert Guyton, Peter Block, Adam B. Greenbaum, Vasilis Babaliarios, Emory University, Atlanta, GA, USA

033 - Temporal Trends and In Hospital Outcomes of Transcatheter Versus Surgical Aortic Valve Replacement For Nonagenarians

Islam Elgendy, Ahmed Mahmoud, Ayman Elbadawi, Akram Elgendy, Mohamed Omer, Mohammad Mojadidi, Hani Jneid, University of Florida, Gainesville, FL, USA

034 - Understanding Transcatheter Aortic Valve Replacement on a Cost Per Minute Basis

Collin Anderson, Christopher Mayhew, Newton Phuong, Harold Dauerman, Mitchell Tsai, Jacob Martin, University of Vermont Medical Center, Burlington, VT, USA

035 - Trends and Effect of Atrial Fibrillation on Inpatient Outcomes After Transcatheter Aortic Valve Replacement

Nikita Patil, Paula Strassle, Sameer Arora, Chinmay Patel, John Vavalle, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

036 - Comparison of Clinical Trials and Administrative Claims to Identify Stroke: Findings From the NHLBI-Sponsored EXTEND-CoreValve Study

Jordan B. Strom, Yuansong Zhao, Jeffrey Popma, J. Matthew Brennan, Mike Boulware, Changyu Shen, Robert Yeh, Richard A. and Susan F. Smith Center for Cardiovascular Outcomes Research, Beth Israel Deaconess Med, Boston, MA, USA

037 - Comparison of Cardiac Size and Function in Patients at High and Low Surgical Risk Undergoing TAVR

Diego Medvedofsky, Toby Rogers, Gai Jiexiang, Page E. Craig, Tatsuya Miyoshi, Itsik Ben-Dor, Lowell Satler, Gaby Weissman, Rebecca Torguson, Ron Waksman, Federico Asch, MedStar Washington Hospital Center, Washington, DC, USA

038 - Combination of Formal Frailty Testing and Radiological Assessment of Sarcopenia Identifies Patients at Lowest Risk For TAVR

Jennifer Chao, Stuart Cohen, John Makaryus, Bruce Rutkin, Ravi Vuthoori, Kevin Kennedy, Simon Maybaum, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, USA, Mid America Heart Institute, Kansas, MO, USA

039 - Long Term Outcomes of Transcatheter Aortic Valve Replacement Versus Surgical Aortic Valve Replacement For Intermediate Surgical Risk Patients: A Systematic Review and Meta-Analysis

Garly Rushler Saint Croix, Soluny Jean, Michel Ibrahim, Beteal Ashinne, Alexander Toirac, Jennifer Maning, Eduardo de Marchena, Jackson Memorial Hospital/University of Miami, Miami, FL, USA, Boston Medical Center, Boston, MA, USA

040 - Role of Geographic Location and Socioeconomic Status in the Outcome of Patients Undergoing Transcatheter Aortic Valve Replacement (TAVR): A State-Wide Analysis

Chin Siang Ong, Joseph Canner, Lucy Nam, Roald Teuben, Jingnan Han, Stefano Schena, The Johns Hopkins Hospital, Baltimore, MD, USA

041 - Usefulness of Skeletal Muscle Area Detected by Computed Tomography to Predict Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement: A Meta-Analysis

Mohamad Soud, Fares Alahdab, Gavin Ho, Marco Cejudo-Tejeda, Kayode Kuku, Alexandre Hideo-Kajita, Hector Garcia Garcia, MedStar Washington Hospital Center, Washington, DC, USA, Mayo Clinic Evidence-Based Practice Center, Rochester, MN, USA

### Interventional Cardiology - Poster Contributions

#### Session #1104

#### Interventional Cardiology: Coronary Intervention: Devices 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

042 - Prognosis of Drug-Coating Balloon Angioplasty For Treatment of In-Stent Restenosis After Percutaneous Coronary Intervention to Coronary Artery Calcium Lesion

Yasushi Akutsu, Kosuke Nomura, Teruo Sekimoto, Hiroki Tanisawa, Kyouchi Kaneko, Yusuke Kodama, Hiroaki Tsujita, Toshiro Shinke, Showa University School of Medicine, Tokyo, Japan

043 - The Impact of the Ablation by Excimer Laser System on the Long-Term Outcome in In-Stent Restenosis

Takao Sato, Keiichi Tsuchida, Sho Yuasa, Yuji Taya, Masaaki Okabe, Yoshifusa Aizawa, Tachikawa General Hospital, Nagaoka, Japan

044 - The Predictor of Acute Recoil After Orsiro Coronary Drug-Eluting Stent Implantation

Takao Sato, Yoshifusa Aizawa, Yuji Taya, Minoru Takahashi, Masaaki Okabe, Tachikawa General Hospital, Nagaoka, Japan

045 - Long-Term Outcomes of Drug Eluting Stent Stratified by Polymer in Patients With Coronary Artery Disease

Parth Parikh, Kinjal Banerjee, Amar Krishnaswamy, Christopher Bajzer, Ravi Nair, Russell Raymond, E. Murat Tuzcu, Samir Kapadia, Cleveland Clinic Foundation, Cleveland, OH, USA



046 - Long-Term Outcome Comparison of Drug-Eluting Stents and Bare-Metal Stents in Patients With High Bleeding Risk

Daisuke Sunohara, Ayumu Nagae, Takashi Miura, Keisuke Senda, Minami Taki, Masanori Kobayashi, Masafumi Kanai, Yukari Okuma, Takashi Yanagisawa, Naoto Hashizume, Kyuhachi Otagiri, Tatsuya Saigusa, Souichiro Ebisawa, Yusuke Miyashita, Hisanori Yui, Shusaku Maruyama, Chie Nakamura, Hiroaki Tabata, Daisuke Kashiwagi, Hideki Kobayashi, Takahiro Sakai, Tamon Kato, Ayako Okada, Hirohiko Motoki, Koichiro Kuwahara, Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto, Japan

047 - A First-in-Human Study of the Second-Generation, Thin-Strut, Everolimus-Eluting Bioresorbable Scaffold: 6-Month IVUS and OCT Results From the FAST Clinical Trial

Ryo Kameda, Kozo Okada, Masayasu Ikutomi, M. Brooke Hollak, Paul Yock, Jeffrey Popma, Sujith Seneviratne, Andrejs Erglis, Darren Walters, Robert Whitbourn, Jamie Layland, Jim Stewart, Seif El-Jack, Thomas Christen, Ian Meredith, Peter Fitzgerald, Yasuhiro Honda, Stanford University, Stanford, CA, USA

048 - Mechanism of Action of Orbital Atherectomy in Severely Calcified Coronary Arteries: Insights From a Cadaveric Perfusion Model

Vivian Hou, Dmitry B. Levin, Carol V. Hagen, Florencia G. Jalikis, Haodong Xu, John Petersen, University of Washington, Seattle, WA, USA

049 - Linking the NCDR CathPCI Registry With Administrative Claims to Determine Attribution of Repeat Revascularization Following Index Drug-Eluting Stent Implantation

Sanket Shishir Dhruva, Craig Parzynski, Jephtha Curtis, Nihar Desai, Robert Yeh, Frederick Masoudi, Sharon-Lise Normand, Richard Kuntz, Richard Shaw, Danica Marinac-Dabic, Harlan M. Krumholz, Joseph Ross, Yale University, New Haven, CT, USA

050 - Cost and Efficacy Analysis of Robotically Assisted Percutaneous Coronary Interventions

Mohanad Hamandi, Robyn Cobb, Lisa Foster, Sameh Sayfo, Molly Szerlip, J. Michael DiMaio, Srinivasa Potluri, Baylor Scott and White The Heart Hospital, Plano, TX, USA

067 - Adverse Events and Modes of Failure Related to the Impella Percutaneous Left Ventricular Assist Devices: A Retrospective Analysis of the Maude Database

Nauman Khalid, Toby Rogers, Evan Shlofmitz, Yuefeng Chen, Jaffar Khan, Anees Musallam, Micaela Iantorno, Ron Waksman, MedStar Washington Hospital Center, Washington, DC, USA

074 - Predictors of Target Lesion Revascularization After Drug-Coated Balloon Angioplasty For In-Stent Restenosis

Shinsuke Mori, Yoshiaki Ito, Toshihiko Kishida, Tomoya Fukagawa, Shigemitsu Shirai, Kenji Makino, Yohsuke Honda, Masakazu Tsutsumi, Yasunari Sakamoto, Norihiro Kobayashi, Motoharu Araki, Masahiro Yamawaki, Keisuke Hirano, Saiseikai Yokohama City Eastern Hospital, Yokohama, Japan

### Interventional Cardiology - Poster Contributions Session #1105

**Interventional Cardiology: IVUS and Intravascular Physiology 1**  
Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

051 - Clinical Efficacy of Oct-Guided Rotational Atherectomy For Severely Calcified Coronary Lesion Compared to Ivus-Guided Rotational Atherectomy

Norihiro Kobayashi, Yoshiaki Ito, Keisuke Hirano, Masahiro Yamawaki, Motoharu Araki, Saiseikai Yokohama-City Eastern Hospital, Yokohama, Japan

052 - Making Waves: What Drives Coronary Perfusion in the Failing Heart?

Sadman Chowdhury, Natalia Briceno, Matthew Ryan, Haseeb Rahman, Simone Rivolo, Jack Lee, Divaka Perera, St. Thomas' Hospital, London, United Kingdom, King's College London, London, United Kingdom

053 - Calcified Plaques in Patients With Acute Coronary Syndromes

Tomoyo Sugiyama, Erika Yamamoto, Francesco Fracassi, Hang Lee, Taishi Yonetsu, Tsunekazu Kakuta, Tsunenari Soeda, Yoshihiko Saito, Bryan Yan, Osamu Kurihara, Masamichi Takano, Giampaolo Niccoli, Filippo Crea, Takumi Higuma, Shigeki Kimura, Yoshiyasu Minami, Junya Ako, Tom Adriaenssens, Niklas Boeder, Holger Nef, James Fujimoto, Valentin Fuster, Alope Finn, Erling Falk, Ik-Kyung Jang, Massachusetts General Hospital, Boston, MA, USA

054 - Neointimal Characteristics Comparison Between Biodegradable-Polymer and Durable-Polymer DES

Tomooki Kobayashi, Yohei Sotomi, Shimpei Nakatani, Satoshi Suzuki, Atsushi Hirayama, Yoshiharu Higuchi, Division of Cardiology, Osaka Police Hospital, Osaka, Japan

055 - Prognostic Value of Post Intervention Fractional Flow Reserve After Intravascular Ultrasound Guided Second Generation Drug Eluting Coronary Stenting

Masahiro Hoshino, Yoshihisa Kanaji, Akinori Sugano, Masao Yamaguchi, Masahiro Hada, Yohei Sumino, Hiroaki Ohya, Yoshinori Kanno, Hidenori Hirano, Haruhito Yuki, Tomoki Horie, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura-Shi, Japan

056 - Prognostic Value of Thermodilution Coronary Flow Capacity in Patients With Deferral of Revascularization

Masahiro Hoshino, Yoshihisa Kanaji, Akinori Sugano, Masao Yamaguchi, Masahiro Hada, Yohei Sumino, Hiroaki Ohya, Yoshinori Kanno, Hidenori Hirano, Haruhito Yuki, Tomoki Horie, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura-Shi, Japan

057 - Prevalence of Thin Cap Fibroatheroma and Plaque Rupture in Relation to the Physiological Stenosis Severity Determined by Fractional Flow Reserve and Coronary Flow Reserve

Masahiro Hoshino, Yoshihisa Kanaji, Akinori Sugano, Masao Yamaguchi, Masahiro Hada, Yohei Sumino, Hiroaki Ohya, Yoshinori Kanno, Hidenori Hirano, Haruhito Yuki, Tomoki Horie, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura-Shi, Japan

058 - Contribution of Underexpanded/Undersized Stenting to Post-PCI Ischemia by Fractional Flow Reserve After Angiographic Optimization

Barry F. Uretsky, Srikanth Vallurupalli, Abdul Hakeem, Mohammed Eid Madmani, Mohamed Ayan, Malek Al-Hawwas, Rimsha Hasan, Shiv Kumar Agarwal, Central Arkansas Veterans Health System, Little Rock, AR, USA

### Interventional Cardiology - Poster Contributions Session #1106

**Interventional Cardiology: Mitral and Structural Heart Disease 1**  
Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

059 - The Effects of Anterior Mitral Leaflet Resection on Left Ventricular Flow With Transcatheter Mitral Valves: An In Vitro Study

Thomas Easley, Vahid Sadri, Pranav Dorbala, Vasilis Babaliaros, Ajit P. Yoganathan, Georgia Institute of Technology, Atlanta, GA, USA

060 - Characteristics and Treatment Patterns of Patients With Severe Tricuspid Regurgitation Considered For Intervention

Brenden Ingraham, Sorin Pislaru, Vuysile Tlhopane Nkomo, Rick A. Nishimura, John Stulak, Simon Maltais, Charanjit S. Rihal, Mackram Eleid, Mayo Clinic, Rochester, MN, USA



061 - First Pilot Blinded Study Comparing Feasibility & Safety of the Implantation of the Watchman Device & Assessment of the Pass Criteria as Guided by Standard Angiography Alone Versus the Gold Standard of TEE Guidance

Safwan Kassas, Michigan Cardiovascular Institute, Saginaw, MI, USA, St. Mary's of Michigan Medical Center, Saginaw, MI, USA

062 - A Network Meta-Analysis Comparing Safety and Efficacy of Various Devices For Patent Foramen Ovale Closure in Patients With Cryptogenic Stroke

Rahman Shah, Babar Khan, Aranyak Rawal, Farhan Ashraf, Chalak Berzingi, Abdul Rashid, UTHSC, Memphis, TN, USA

063 - A Novel Clock-Face Method For Characterizing Left Atrial Appendage Occlusion Device Post-Implant Leaks

Sarah Westcott, William Wung, Matthew Glassy, Gagan Singh, Thomas Smith, Dali Fan, Jason Rogers, University of California, Davis, Sacramento, CA, USA

064 - The Economic Impact of Mitral Regurgitation on Medically Managed Incident Heart Failure Patients

David Patrick Cork, Hirsch Mehta, Colin Barker, Patrick Verta, Candace Gunnarsson, Michael P. Ryan, Erin R. Baker, Sarah Mollenkopf, Joanna Van Houten, Peter McCullough, Edwards Lifesciences, Irvine, CA, USA

065 - The Impact of Mitral Regurgitation on Mortality and Heart Failure Admissions in Newly Diagnosed Heart Failure Patients

David Patrick Cork, Hirsch Mehta, Colin Barker, Patrick Verta, Michael P. Ryan, Erin Baker, Candace Gunnarsson, Sarah Mollenkopf, Joanna Van Houten, Peter McCullough, Edwards Lifesciences, Irvine, CA, USA

066 - Comparison of Percutaneous Mitral Valve Repair and Optimal Medical Therapy Versus Optimal Medical Therapy Alone For Patients With Severe Functional Mitral Regurgitation: An Updated Meta-Analysis

Manuel Rivera, Neal Olarte, Leonardo Knijnik, Alexander Toirac, Amanda Fernandes, Gilson Fernandes, University of Miami Miller School of Medicine, Miami, FL, USA

### Interventional Cardiology - Poster Contributions Session #1107

#### Interventional Cardiology: Vascular Access and Complications 1 Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

068 - The Incremental Cost of Acute Kidney Injury After Percutaneous Coronary Intervention: Implications For Practice in the United States

Christian McNeely, John A. Spertus, Jasvinder Singh, Howard Kurz, John House, Nathan Frogge, Samuel Lindner, Hemant Kulkarni, Frederick Masoudi, Amit Amin, Washington University School of Medicine, Saint Louis, MO, USA

069 - Differential Impact of Bleeding Avoidance Strategies on Risk-Adjusted PCI-Related Bleeding Rates Within a Large Multistate Health System

Tyler J. Gluckman, Kateri Spinelli, Lian Wang, John Petersen, Paul P. Huang, Sunil Rao, Providence St. Joseph Health, Portland, OR, USA

070 - Hand Perfusion During Radial Compression With VasoStat Versus TR Band: A Randomized Trial

Jordan Glanzman Safirstein, Ali Elfandi, Nicole Reid, Tim Clark, Morristown Medical Center, Morristown, NJ, USA

072 - Comparison of Transradial Versus Transfemoral Access in Patients Undergoing Percutaneous Coronary Intervention For Left Main Coronary Artery Disease: 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

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

Session #1124

#### Non Invasive Imaging: CT/Multimodality, Angiography, and Non-CT Angiography 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

313 - Performance of Aortic Annular Assessment by 3D Transesophageal Echocardiography or Magnetic Resonance Angiography With Ferumoxytol in Patients With CKD Undergoing TAVR

Jordan Weber, Brian West, Olcay Aksoy, William Suh, Jeanne Huchting, Murray Kwon, Richard J. Shemin, Gabriel Vorobiof, University of California, Los Angeles, Los Angeles, CA, USA

314 - Baseline Global Longitudinal Strain by Computed Tomography Is Associated With All-Cause Mortality in Patients Receiving Transcatheter Aortic Valve Replacement

Miho Fukui, Floyd Thoma, Ibrahim Sultan, Suresh Mulukutla, Hesham Elzomor, Joon Lee, John Schindler, Thomas Gleason, Joao L. Cavalcante, UPMC Heart & Vascular Institute, Pittsburgh, PA, USA

315 - Application of Machine Learning to Determine Top Predictors of Non-Calcified Coronary Plaque Burden in Psoriasis

Harry Choi, Eric Munger, Amit Dey, Youssef Elnabawi, Jacob Groenendyk, Noor Khalil, Justin Rodante, Milena Aksentijevich, Aarthi Reddy, Jeni Argueta-Amaya, Martin Playford, Ahmed Hasan, Mohsin Saleet Jafri, Veit Sandfort, Marcus Chen, David Bluemke, Joel Gelfand, Nehal Mehta, National Heart, Lung, and Blood Institute, Bethesda, MD, USA

316 - Ultra-Low-Dose 70-kV Coronary Computed Tomography Angiography Using Dual-Source Computed Tomography

Sei Komatsu, Satoru Takahashi, Mitsuhiro Takewa, Tomoki Ohara, Chikao Yutani, Kazuhisa Kodama, Osaka Gyoumeikan Hospital, Osaka, Japan

317 - Initial Real-World Experience With a Newly-Established Clinical CT Myocardial Perfusion Service

Kheng-Thye Ho, Hean-Yee Ong, Sharon Ong, Mount Alvernia Hospital, Singapore, Singapore, Mount Elizabeth Novena Hospital, Singapore, Singapore

318 - Coronary Artery Calcium Is a Strong and Independent Predictor of Major Adverse Cardiovascular Events in Patients Referred For Non-Contrast CT For Non-Cardiac Indications

Dahlia Banerji, Raza M. Alvi, Alexander Ivanov, Romina Sotoodeh, Devvora Olalere, Emma Will, John S. Aluru, Stephanie K. Bogdan, Michael Osborne, Michael Lu, Udo Hoffmann, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

319 - Coronary Artery Calcium on Computed Tomography as an Adjunct to the CHADS2-VASc Stroke Risk Score in Patients With Atrial Fibrillation

Dustin Hillerson, Thomas Wool, Gbolahan Ogunbayo, Steve Leung, University of Kentucky, Lexington, KY, USA

320 - Outcomes in Patient With Chest Pain Evaluated Using Coronary Computed Tomography Angiography Versus Stress Imaging: A Meta-Analysis of Randomized Trials

Carlos A. Gongora, Chirag Bavishi, Seth Uretsky, Edgar Argulian, Mount Sinai St. Luke's, New York, NY, USA

321 - Evaluation of Non-Culprit Lesions in Acute Coronary Syndromes Using Quantitative Flow Ratio

Masao Yamaguchi, Masahiro Hoshino, Tomoki Horie, Haruhito Yuki, Yoshinori Kanno, Hidenori Hirano, Yohei Sumino, Hiroaki Ohya, Masahiro Hada, Yoshihisa Kanaji, Akinori Sugano, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan



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

#### Session #1125

#### Non Invasive Imaging: Nuclear 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

322 - Association of Right Atrial Volume and Function With Incident Atrial Fibrillation: Results From the Multi-Ethnic Study of Atherosclerosis  
Eric Xie, Ricky Yu, Bharath Ambale Venkatesh, Susan Heckbert, Hooman Bakhshi, Elsayed Soliman, David Bluemke, Steven Kawut, Colin Wu, Saman Nazarian, Joao Lima, Johns Hopkins University School of Medicine, Baltimore, MD, USA

323 - Safety and Yield of Rest-Stress Myocardial Perfusion Imaging in Patients With Mildly Abnormal High-Sensitivity Cardiac Troponin  
Arooj R. Khan, Paul Cremer, Wael Jaber, Rakesh Engineer, Daniel M. Gonzalez, Venu Menon, Cleveland Clinic, Cleveland, OH, USA

324 - Regadenoson For Pharmacological Stress Tests - Blood Pressure, Heart Rate, and Major Side Effects in 5780 Patients Referred For Myocardial Scintigraphy: A High-Volume Single-Center Experience  
Sigmund Silber, Manuela Rippel, Miriam Keller, Cardiology Practice, Munich, Germany

325 - Accuracy of Combined Parameters of Single Photon Emission Computed Tomography Myocardial Perfusion Imaging in Multi Vessel Coronary Artery Disease Patients Assessed With Fractional Flow Reserve  
Lucas Cronemberger Maia Mendes, Mateus V. Silva, Maria Leticia B. R. Ambiel, Edmur C. Araújo, Sebastião L. Lacerda Filho, Heleno R. Reis, Carlos J. D. G. Barbosa, Hospital do Coração, Brasília, Brazil

326 - The Impact of Atrial Fibrillation at Time of Cardiac PET Stress Testing on Results, Coronary Outcomes, and MACE  
Stacey Knight, Daniel Bride, Steve Mason, Viet T. Le, David Min, Kent G. Meredith, Santanu Biswas, Jeffrey Anderson, J. Muhlestein, Thomas Bunch, Kirk Knowlton, Intermountain Medical Center, Salt Lake City, UT, USA

327 - Coronary Plaque Burden Is Associated With Cholesterol Efflux Capacity Partially Mediated by the Hematopoietic System in Psoriasis  
Milena Aksentijevich, Heather Teague, Martin Playford, Amit Dey, Aarthi Reddy, Youssef Elnabawi, Aditya Goyal, Abhishek Chaturvedi, Harry Choi, Noor Khalil, Jenis Argueta-Amaya, Parag Shukla, Justin Rodante, Andrew Keel, Veit Sandfort, Marcus Chen, David Bluemke, Andrew Choi, Ramesh Mazhari, Joel Gelfand, Nehal Mehta, National Heart, Lung, and Blood Institute, Bethesda, MD, USA

328 - Coronary Artery Calcium Is Associated With 90-Day MACE at Any Level of Ischemic Burden in Patients Referred For PET/CT  
Viet T. Le, Stacey Knight, Raymond McCubrey, Benjamin Horne, Kurt Jensen, Kent Meredith, Donald Lappe, Steve Mason, David Min, Jeffrey Anderson, J. Muhlestein, Kirk Knowlton, Intermountain Medical Center, Salt Lake City, UT, USA

329 - Incremental Predictive Value of Coronary Calcium Score in Risk Stratification Using Myocardial Perfusion Imaging With Semiconductor Scanner  
Yasuyuki Suzuki, Sakura Nagumo, Keiichiro Kuronuma, Tadashi Ashida, Rei Matsuo, Ayano Makita, Shunichi Yoda, Naoya Matsumoto, Yasuo Okumura, Department of Cardiology, Nihon University Hospital, Tokyo, Japan

330 - Incremental Predictive Value of Ultrasound Evaluation of Carotid Artery in Risk Stratification Using Myocardial Perfusion Imaging With Semiconductor Scanner  
Yasuyuki Suzuki, Sakura Nagumo, Keiichiro Kuronuma, Rei Matsuo, Tadashi Ashida, Ayano Makita, Shunichi Yoda, Naoya Matsumoto, Yasuo Okumura, Department of Cardiology, Nihon University Hospital, Tokyo, Japan

331 - Risk Stratification Using the Heart Rate Response to Regadenoson During Myocardial Perfusion Imaging in Type 2 Myocardial Infarction  
Chad Colon, Ramey Marshall, Christopher Roth, Ayman Farag, Ami Iskandrian, Fadi Hage, University of Alabama at Birmingham, Birmingham, AL, USA

332 - Utilizing Rubidium-82 Cardiac Positron Emission Tomography Regional Myocardial Blood Flow To Develop Naive Bayes Classifier For Coronary Artery Disease Prediction  
H. Shanker Rao, Marie Guerraty, Jacob Dubroff, Daniel Rader, University of Pennsylvania, Philadelphia, PA, USA

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

#### Session #1126

#### Non Invasive Imaging: Sports and Exercise 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

333 - The Effect of Career Playing Position and Detraining Time on the Prevalence and Persistence of Left Ventricular Hypertrophy in a Population of Former Professional Football Players  
Genevieve Smith, Mark Cassidy, Gregory W. Stewart, Tulane University School of Medicine, New Orleans, LA, USA

334 - Impact of High-Intensity Interval Training on Central Obesity in Outpatient Cardiac Rehabilitation Patients With Metabolic Syndrome  
Yaoshan Dun, Jose R. Medina-Inojosa, Amanda R. Bonikowske, Joshua R. Smith, Ray W. Squires, Randal J. Thomas, Suixin Liu, Maria Irene Barillas-Lara, Thomas P. Olson, Division of Cardiac Rehabilitation, Xiangya Hospital of Central South University, Changsha, People's Republic of China, Department of Cardiovascular Medicine, Mayo Clinic, Rochester, MN, USA

335 - The Association of Sleep Apnea and Exercise Capacity With Long-Term Major Cardiovascular Events  
Maria Irene Barillas Lara, Jose Medina-Inojosa, Bhanuprakash Kolla, Joshua Smith, Amanda Bonikowske, Thomas Allison, Thomas Olson, Francisco Lopez-Jimenez, Virend Somers, Sean Caples, Meghna P. Mansukhani, Mayo Clinic, Rochester, MN, USA

336 - Fitness and 10-Year Risk of Mortality Among Adults  $\geq 70$  Years Old at the Extremes of Cardiovascular Disease Risk Factor Burden: The Fit Project  
Seamus P. Whelton, Paul McAuley, Olusola Orimoloye, Erin Michos, Clinton Brawner, Jonathan Ehrman, Steven Keteyian, Mouaz Al-Mallah, Michael Blaha, Johns Hopkins, Baltimore, MD, USA, Henry Ford Hospital, Detroit, MI, USA

337 - Body Mass Index, Fitness, and Mortality in Patients With Diabetes: Evaluating the Fat But Fit Paradox in the Fit Project Cohort  
Seamus P. Whelton, Paul McAuley, Olusola Orimoloye, Clinton Brawner, Jonathan Ehrman, Steven Keteyian, Mouaz Al-Mallah, Michael Blaha, Johns Hopkins, Baltimore, MD, USA, Henry Ford Hospital, Detroit, MI, USA



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

#### Session #1127

#### Non Invasive Imaging: MR 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

338 - Prevalence of Unexplained Left Ventricular Hypertrophy by Cardiac Magnetic Resonance Imaging in the Multi-Ethnic Study of Atherosclerosis  
Daniele Massera, Robyn McClelland, Bharath Ambale Venkatesh, Antoinette Gomes, W. Hundley, Nadine Kawel-Boehm, Kihei Yoneyama, David Owens, Mario Garcia, Mark Sherrid, Jorge Kizer, Joao Lima, David A. Bluemke, New York University School of Medicine, New York, NY, USA

339 - The Role of Intermuscular Fat in Reduced Exercise Capacity in Cancer Survivors  
Kerryn Reding, Peter Brubaker, Ralph Dagostino, Dalane Kitzman, William W. Hundley, Barbara Nicklas, Jennifer H. Jordan, Dale J. Langford, Michael Grodesky, W. Hundley, Wake Forest University, Winston-Salem, NC, USA, University of Washington, Seattle, WA, USA

341 - Early Detection of Anthracycline Cardiotoxicity in Populations With Prevalent Unrelated Cardiac Disorders  
Nathaniel Reich, Derek Knight, Liana Haigis, Jonathan Weber, Alim Merchant, Marie Grgas, Yang Cheng, Sherly Jacob-Perez, Haoyi Zheng, Bhoomi Mehrotra, St. Francis Hospital-The Heart Center, Roslyn, NY, USA

342 - A Load Independent Contractility Index Based on DENSE Strain Imaging Detects Low Dose Pharmacologic Increases in Contractility  
Nathaniel Reich, Alim Merchant, Nora Ngai, Kathleen Gliganic, Jonathan Weber, Yang Cheng, Marie Grgas, St. Francis Hospital-The Heart Center, Roslyn, NY, USA

343 - Distinct Myocardial Disease Patterns Detected on Free-Breathing Motion-Corrected Late Gadolinium Enhancement Associate With Baseline Disease Severity and Incident Outcomes in a Large Clinical Population  
Hongyang Pi, Fredrika Fröjd, Eric Olausson, Aatif Sayeed, Maren Maanja, Louise Niklasson, Timothy C. Wong, Martin Ugander, Hui Xue, Peter Kellman, Erik Schelbert, Department of Medicine, University of Pittsburgh Medical Center, Pittsburgh, PA, USA, UPMC Cardiovascular Magnetic Resonance Center, Heart and Vascular Institute, Pittsburgh, PA, USA

344 - Aortic Distensibility by Magnetic Resonance Imaging Inversely Associates With Non-Calcified Coronary Plaque Burden by Coronary CT Angiography in Psoriasis  
Parag Shukla, Amit Dey, Youssef Elnabawi, Harry Choi, Jacob Groenendyk, Milena Aksentijevich, Noor Khalil, Jenis Argueta-Amaya, Aarthi Reddy, Justin Rodante, Martin Playford, Mohammad Naqi, Julie Erb-Alvarez, Mark Ahlman, Veit Sandfort, Marcus Chen, David Bluemke, Joel Gelfand, Nehal Mehta, NHLBI, Bethesda, MD, USA

345 - Prediction of Late Gadolinium Enhancement in Patients With Cardiomyopathy by Native T1 Mapping and Global Strain on 3 Tesla-Cardiac Magnetic Resonance  
Yumiko Kanzaki, Takahide Ito, Koichi Sohmiya, Masaaki Hoshiga, Osaka Medical College, Takatsuki, Japan

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

#### Session #1128

#### Non Invasive Imaging: Echo 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

347 - Influence of Right Atrial Enlargement on Readmission in Heart Failure Patients

Kellsey Peterson, Scott Purga, Hiren Patel, Steven Fein, Mikhail Torosoff, Albany Medical Center, Albany, NY, USA

348 - Myocardial Inflammation/Fibrosis Detection by Pulse-Cancellation Echocardiography in Patients With Cardiac Sarcoidosis-Correlation With FDG-PET

Lane Zhang, Steven Fein, Ping Lu, Fantauzzi John, David Steckman, Ashar Ata, Yao Yao, Marc Judson, Radmila Lyubarova, Albany Medical Center, Albany, NY, USA

349 - Can Measurements of Inferior Vena Cava Using Three-Dimensional Echocardiography Estimate Central Venous Pressure in Children With Congenital Heart Disease?

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

350 - Prevalence of Low E-Wave Propagation Index in Patients With MRI Proven Left Ventricular Thrombus

Kristopher Kline, Thura Harfi, The Ohio State University Wexner Medical Center, Columbus, OH, USA

351 - Association of Body Fat Mass With Left Ventricular Myocardial Systolic Longitudinal Dysfunction in Type 2 Diabetes Mellitus

Yutaka Hatani, Hidekazu Tanaka, Yasuhide Mochizuki, Makiko Suto, Hiroki Takada, Fumitaka Soga, Kumiko Dokuni, Keiko Hatazawa, Eriko Hisamatsu, Kensuke Matsumoto, Ken-Ichi Hirata, Kobe University Graduate School of Medicine, Kobe, Japan

352 - The Association of Left Ventricular Filling, Left Atrial Dynamics, and Stiffness With Right Ventricular to Pulmonary Circulation Uncoupling During Exercise in Patients With Left Heart Disease

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

353 - Association Analysis Between Left Atrial Function and Left Atrial Appendage Function in Patients With Nonvalvular Atrial Fibrillation  
Go Hashimoto, Makoto Suzuki, Shiho Ide, Hiromasa Hayama, Kenji Makino, Takenori Otsuka, Raisuke Iijima, Hidehiko Hara, Masao Moroi, Masato Nakamura, Toho University Ohashi Medical Center, Tokyo, Japan

354 - Quantitative Assessment of Right Ventricular Systolic Function by Tricuspid Annular Plane Systolic Excursion Measured From the Right Ventricular Inflow View During Transthoracic Echocardiography  
Graham V. Byrum, III, Diego Malaver, Joseph Yeboah, Dalane Kitzman, Geoffrey Jao, Wake Forest School of Medicine, Winston-Salem, NC, USA

355 - Innovative Ultrasound Technologies EchoGPS and AutoEF Help Novices Perform Efficient and Accurate Echocardiographic Monitoring in Cancer Patients

Alberta Yen, Ali Khalid Chaudhry, Cindy Wang, Xiu Tang, Ha Hong, Nicolas Poilvert, David Liang, Stanford University School of Medicine, Stanford, CA, USA, Bay Labs, Inc., San Francisco, CA, USA

356 - Utility of Left Atrial Strain and Dyssynchrony For Predicting Atrial Fibrillation Following Ischemic Stroke

Sif Rasmussen, Flemming Javier Olsen, Peter Jørgensen, Thomas Hansen, Tor Biering-Sorensen, Gunnar Gislason, Herlev & Gentofte Hospital, Copenhagen, Denmark



357 - Impact of Severe Aortic Stenosis on Mitral Annulus Geometry: A 3-Dimensional Transesophageal Echocardiography Study

Wataru Suzuki, Yasuhiro Uchida, Yokkaichi Municipal Hospital, Yokkaichi, Japan

358 - Comprehensive Simplified Left Atrial Assessment For Predicting Recurrence of Atrial Fibrillation Following Pulmonary Vein Isolation in Patients With Paroxysmal Atrial Fibrillation

Fumitaka Soga, Hidekazu Tanaka, Yasuhide Mochizuki, Kentaro Yamashita, Yusuke Tanaka, Ayu Shono, Makiko Suzuki, Sachiko Yoshikawa, Keiko Sumimoto, Nao Shibata, Shun Yokota, Jun Mukai, Makiko Suto, Hiroki Takada, Kumiko Dokuni, Keiko Hatazawa, Eriko Hisamatsu, Kensuke Matsumoto, Koji Fukuzawa, Ken-Ichi Hirata, Kobe University Graduate School of Medicine, Kobe, Japan

### Prevention - Poster Contributions

#### Session #1132

#### Prevention: Hypertension 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

411 - Impact of 2017 ACC/AHA Guidelines on Prevalence of Hypertension Among Indian Adults: Results From a Nationally Representative Survey  
Kartik Gupta, Sivasubramanian Ramakrishnan, Geever Zachariah Arimbur, Shivkumar Jallepalli, Rishi Sethi, Dharmendra Jain, Neil Bardoloi, Santhosh Satheesh, Sandeep Bansal, Ranjit Nath, Sanjay Tyagi, P. P. Mohanan, K. Venugopal, Gurpreet Singh Wander, Satish Gupta, Nagendra Senguttuvan, Debabrata Roy, Satyanarayan Routray, Bateswar Singh, Mrinal Das, Soumitra Kumar, Pradip Deb, Hirday Chopra, Ashok Seth, CSI-Great India BP Campaign Investigators, All India Institute of Medical Sciences, New Delhi, India

412 - Higher Mortality Among Patients Who Required One or More Drugs to Achieve the Same Systolic Blood Pressure Regardless of the Randomization Group in the Systolic Blood Pressure Intervention Trial

John B. Kostis, Chun Pang Lin, Javier Cabrera, Daniel Blickstein, William J. Kostis, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

413 - Subgroup Analysis of Long-Term Blood Pressure Reduction in the Global Symplicity Registry

Felix Mahfoud, Giuseppe Mancina, Roland Schmieder, Krzysztof Narkiewicz, Luis Ruilope, Markus Schlaich, Bryan Williams, Robert Whitbourn, Andreas Zirlik, Thomas Zeller, Martin Fahy, Michael Boehm, Saarland University Hospital, Homburg/Saar, Germany

414 - Hypertension Management in India: An Observational Study

Manjula Suresh, C. Venkat S. Ram, A. Muruganathan, Krishna Kumar M., Micro Labs Limited, Bangalore, India

415 - Mobile Apps and Internet Survey About Hypertension: Is the Public Aware of the November 2017 ACC Definition of Hypertension?

Gloria Wu, Kevin Lu, Brian Leung, Shannon Luu, Laura Billard, UC San Francisco School of Medicine, San Francisco, CA, USA

416 - An Isolated Urinary Sodium/Potassium Ratio Is a Better Predictor of Progression of Hypertension Than the Estimated Daily Intake of Salt in the Chilean Population: The Association Is Higher in Women

Giovanna Valentino, Rodrigo Tagle, Jorge Quitral, Lorena Orellana, Marcela Adasme, Pamela Illanes, Fernando Baraona, Carlos Navarrete, Monica Acevedo, Pontificia Universidad Católica de Chile, Santiago, Chile, Universidad de La Serena, La Serena, Chile

417 - Diagnosing Left Ventricular Hypertrophy in a Large, Diverse Patient Population: ECG Versus ECHO

Maxwell Bressman, Alon Mazori, Eric Shulman, Jay J. Chudow, Ythan Goldberg, Kevin Ferrick, John Fisher, Mario Garcia, Luigi DiBiase, Andrew Krumerman, Montefiore Medical Center, Bronx, NY, USA

418 - Impact of Patient Characteristics on Sensitivity and Specificity For Left Ventricular Hypertrophy by ECG in a Large, Diverse Patient Population

Maxwell Bressman, Alon Mazori, Eric Shulman, Jay J. Chudow, Ythan Goldberg, Kevin Ferrick, John Fisher, Mario Garcia, Luigi DiBiase, Andrew Krumerman, Montefiore Medical Center, Bronx, NY, USA

419 - Acute and Sustained Effects of Plant-Based Bioequivalent Inorganic Nitrate Supplement Tablets on Blood Pressure Reduction in Pre-Hypertensives Men and Women

Lavanya Cherukuri, Chandana Shekar, Dong Li, Divya Birudaraju, Sajad Hamal, Ferdinand Flores, Sion Roy, William Sotka, Shawn J. Green, Matthew Budoff, Los Angeles Biomedical Research Institute, Torrance, CA, USA

### Prevention - Poster Contributions

#### Session #1133

#### Prevention: Rehabilitation 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

421 - Can Cardiac Rehabilitation Improve Frailty in Adults With Cardiovascular Disease?

Andrew Lutz, Amanda Delligatti, Kelly Allsup, Daniel Forman, VA Pittsburgh Healthcare System, Pittsburgh, PA, USA, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

422 - Functional Outcomes of Cardiac Rehabilitation: Weighing in the Obesity Paradox

Sameer Raina, Sirish Shrestha, Paurush Ambesh, Kaley Garloch, Ashwin Bhirud, Sujal Modi, Amy Edmond, Mohamad Alkhouli, Vinay Badhwar, Partho Sengupta, West Virginia University, Morgantown, WV, USA, Maimonides Medical Center, New York, NY, USA

423 - Probe Multicentre Study, to Compare Long-Term Adherence of Secondary Prevention Measures, After an Acute Coronary Syndrome, of an Intensive Cardiac Rehabilitation Program Versus a Standard Program

Almu Castro, Regina Dalmau, Vicente Ignacio Arrarte Esteban, Fernando Garza Benito, Rafael Hidalgo, Rafael Vidal, Joan Torres Marques, Manuel Abeytua, Hospital Universitario La Paz, Madrid, Spain

424 - Early Termination of Cardiac Rehabilitation Varies by Referral Diagnosis

John Bostrom, Ryan Searcy, Ahana Walia, Justyna Rzucidlo, Darcy Banco, Mary Quien, Greg Sweeney, Alicia Pierre, Ying Tang, Jonathan Whiteson, John Dodson, New York University, New York, NY, USA

### Prevention - Poster Contributions

#### Session #1134

#### Prevention: Clinical 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

425 - Ten-Year Population Trends in Statin Therapy For Secondary Prevention: Use, Adherence, Cost, and Outcomes

Xiaoxi Yao, Nilay Shah, Bernard Gersh, Peter Noseworthy, Mayo Clinic, Rochester, MN, USA

426 - Validation of Clinical Diagnostic Criteria of Familial Hypercholesterolemia in Japan: Evidence From a Comprehensive Genetic Analysis

Hayato Tada, Hirofumi Okada, Atsushi Nohara, Hiroshi Mabuchi, Masa-aki Kawashiri, Kanazawa University, Kanazawa, Japan



427 - Beneficial Effect of Ezetimibe-Atorvastatin Combination Therapy in Patients With a Mutation in ABCG5 or ABCG8 Gene

Hayato Tada, Atsushi Nohara, Masa-Aki Kawashiri, Kanazawa University, Kanazawa, Japan

428 - Network Meta-Analysis of Treatments Preventing Cardiotoxicity in Patient With Breast Cancer Undergoing Chemotherapy

Alexander Ivanov, Pragnan Kancharla, NewYork-Presbyterian Brooklyn Methodist Hospital, Brooklyn, NY, USA

429 - Association Between Estimated Plasma Volume and All-Cause and Cardiovascular Mortality

Amr Marawan, Rehan Qayyum, Virginia Commonwealth University, Richmond, VA, USA

430 - Trimethylamine-*N*-oxide and Related Metabolites Are Associated With Cardiovascular Events: Results From the Dallas Heart Study

Yeela Barkan-Talmor, Colby Ayers, Wai Hong Wilson Tang, Guy Witberg, Alon Eisen, Ashraf Hamdan, Stanley L. Hazen, James A. de Lemos, Ran Kornowski, Ian Neeland, University of Texas Southwestern Medical Center, Dallas, TX, USA, Rabin Medical Center, Petah-Tikva, Israel

431 - Cardiovascular Efficacy and Bleeding Risk of Aspirin in Primary Prevention Populations: A Meta-Analysis of Randomized Trials

Sean Zheng, Fiona Chan, Alistair Roddick, King's College London, London, United Kingdom, King's College Hospital NHS Foundation Trust, London

432 - A New Simple Index For Pre-Operative Cardiovascular Evaluation and Risk Stratification of Patients Scheduled For Non Cardiac Surgery: Results of the American University of Beirut Pre-Operative Cardiovascular Evaluation Study (AUB-POCES)

Habib A. Dakik, Omar Chehab, Mahmoud Eldirani, Eman Sbeity, Cynthia Karam, Ossama Abou Hassan, Mayyas Msheik, Hussein Hassan, Ahmad Msheik, Chris Kaspar, Maha Makki, Hani Tamim, American University of Beirut, Beirut, Lebanon

433 - Cardiovascular Benefits of Sodium-Glucose Cotransporter 2 Inhibitors and Angiotensin-Converting Enzyme Inhibitors

Amish Patel, Matthew J. Budoff, UC Riverside, Riverside, CA, USA, Los Angeles Biomedical Research Institute at Harbor-UCLA, Torrance, CA, USA

434 - Atherosclerotic Cardiovascular Disease and Its Risk Factors Are Associated With Impaired Cognition in Older Adults

Xue Qiao Zhao, Yunli Xing, Ying Sun, Michael Chen, Xiting Wu, Dai Zhang, Wei Huang, Yining Cui, Qiqi Yang, Hongwei Li, Beijing Capital Medical University, Beijing, People's Republic of China, University of Washington, Seattle, WA, USA

435 - Long-Term Statin Persistence Is Poor Among High-Risk Patients With Baseline Peripheral Artery Disease: A Real-World Administrative Claims Analysis of the Optum Research Database

Peter Toth, Craig Granowitz, Michael Hull, Sephy Philip, Optum, Eden Prairie, MN, USA

436 - The Benefit of Aspirin for Patients Without Cardiovascular Disease

Zhang Lu, Huadong Liu, Xinli Pang, Shaohong Dong, Shenzhen People's Hospital, Shenzhen, People's Republic of China

437 - A Systematic Review of Risk Prediction Scores For Sudden Cardiac Death

Spencer Lacy, Leonardo Tamariz, Zsuzsanna Nemeth, Jeffrey Goldberger, University of Miami, Miami, FL, USA

438 - Statin Therapy in Patients With Cerebrovascular Disease Versus Coronary Artery Disease: Insights From the PALM Registry

Ying Xian, Ann Navar, Shuang Li, Zhuokai Li, Veronique Roger, Salim Virani, Peter Wilson, Anne Goldberg, Jennifer Robinson, Andrew Koren, Michael Louie, Eric Peterson, Tracy Wang, Duke Clinical Research Institute, Durham, NC, USA

439 - Predicting Chemotherapy Induced Cardiotoxicity by Analyzing Patterns of Case Report and Clinical Trial Reporting

Ohad Oren, Michal Oren, Chaim Locker, Mayo Clinic, Rochester, MN, USA

440 - Female Representation in Clinical Trials of PCSK9 Inhibitors

Ohad Oren, Michal Oren, Chaim Locker, Mayo Clinic, Rochester, MN, USA

441 - High-Intensity Versus Non-High-Intensity Statins in Patients Achieving Low-Density Lipoprotein Cholesterol Goal After Percutaneous Coronary Intervention

Joo-Yong Hahn, Juwon Kim, Young Bin Song, Hyeon-Cheol Gwon, Samsung Medical Center, Seoul, South Korea

442 - Identification and Management of Familial Hypercholesterolemia in an Integrated Health Care Delivery System

Richard A. Birnbaum, Brandon H. Horton, Leslie Manace Brenman, Andrew L. Avins, Kaiser Permanente Northern California, Oakland, CA, USA

443 - Should Cardiologist Prescribe an SGLT-2 Inhibitor?

Sina Jame, Mary E. Jame, Laurence McMahon, Elif Oral, Peter Hagan, Melvyn Rubenfire, Richard Weinberg, University of Michigan, Ann Arbor, MI, USA

444 - Comparison Between Cardiovascular Trial Outcomes and Treatment Effects Using Clinical Endpoint Committee Adjudication Versus Routine Health Data: A Systematic Review

Craig Rodrigues, Ayodele Odotayo, Sagar Patel, Arnav Agarwal, Bruno Roza da Costa, Ethan Lin, Peter Juni, Shaun Goodman, Michael Farkouh, Jacob Udell, Women's College Research Institute, Toronto, Canada

445 - The Association Between Uric Acid Levels and Cardiorenal Outcomes and Death in Patients With Type 2 Diabetes: A Sub-Analysis of EMPA-REG OUTCOME

Subodh Verma, Qiuhe Ji, Deepak L. Bhatt, C. David Mazer, Mohammed Al-Omran, Silvio E. Inzucchi, Christoph Wanner, Anne Pernille Ofstad, Isabella Zwiener, Jyothis T. George, Bernard Zinman, David Fitchett, University of Toronto, Toronto, Canada, Boehringer Ingelheim, Ingelheim, Germany

446 - A Randomized, Placebo-Controlled, Double-Blind, Ascending Single-Dose, Phase 1 Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of a.m.G 529, a Novel Anti-ASGR1 Monoclonal Antibody, in Healthy Subjects

Mariano Janiszewski, Winnie Sohn, Cheng Su, Yi Hsiang Hsu, Elizabeth Finger, Allegra Kaufman, Amgen Inc., Thousand Oaks, CA, USA

447 - Improving Documentation of Adverse Pregnancy Outcomes and Associated Cardiovascular Risk in Women

Ki Park, Robert Egerman, Maryam Sattari, Nicholas Kaufman, University of Florida, Gainesville, FL, USA

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

**Session #1142**

**Pulmonary Hypertension and Venous Thrombo-Embolic Disease 1**

**Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall F**

**CME Hours: /CNE Hours:**



480 - What Proportion of Hospitalizations in Acute Medically Ill Patients Qualify For Extended Thromboprophylaxis With Oral Anticoagulation?  
Benjamin Miao, Bhavana Chalupadi, Sabrina Ilham, Brian Ly, Craig Coleman, University of Connecticut, Storrs, CT, USA, Hartford Hospital, Hartford, CT, USA

481 - Three Dimensional Right Ventricular Strain in Pediatric Pulmonary Hypertension  
Pei-Ni Jone, Nicolas Duchateau, Zhaoxing Pan, Dunbar Ivy, Pamela Mocerri, UCSM, Children's Hospital Colorado, Aurora, CO, USA

482 - The Effectiveness and Safety of Balloon Pulmonary Angioplasty For Oldest Old Patients With Chronic Thromboembolic Pulmonary Hypertension  
Nobutaka Ikeda, Shuji Kubota, Toru Okazaki, Raisuke Iijima, Hidehiko Hara, Yukio Hiroi, Masato Nakamura, Toho University Ohashi Medical Center, Tokyo, Japan, National Center for Global Health and Medicine, Tokyo, Japan

483 - Impact of Adverse Right Ventricular Remodeling on Mortality in Idiopathic Pulmonary Arterial Hypertension  
Ioulia Grapsa, Timothy Tan, Maria do Carmo Nunes, Declan O'Regan, Giuliana Durighel, Luke S. G. E. Howard, Simon J. R. Gibbs, Petros Nihoyannopoulos, Hammersmith Hospital, London, United Kingdom, Massachusetts General Hospital, Boston, MA, USA

491 - Additional Role of Unmodifiable Risk Factors in Pulmonary Arterial Hypertension Risk Stratification According to Current ESC/ERS Guidelines  
Fabio Dardi, Alessandra Manes, Massimiliano Palazzini, Enrico Gotti, Andrea Rinaldi, Enrico Monti, Elisa Zuffa, Daniele Guarino, Alessandro De Lorenzis, Filippo Pasca, Ilenia Magnani, Mariangela Rotunno, Nazzareno Galiè, Department of Experimental, Diagnostic and Specialty Medicine (DIMES), Cardiology, Bologna, Italy

492 - Additional Role of Echocardiogram in Pulmonary Arterial Hypertension Risk Stratification According to Current ESC/ERS Guidelines  
Fabio Dardi, Alessandra Manes, Massimiliano Palazzini, Enrico Gotti, Andrea Rinaldi, Elisa Zuffa, Alessandra Albini, Daniele Guarino, Alessandro De Lorenzis, Filippo Pasca, Ilenia Magnani, Mariangela Rotunno, Nazzareno Galiè, Department of Experimental, Diagnostic and Specialty Medicine (DIMES), Cardiology, Bologna, Italy

493 - Association of Tricuspid Regurgitation With Long-Term Outcomes in Patients With Pulmonary Hypertension  
Jun Mukai, Hidekazu Tanaka, Hiroyuki Sano, Kentaro Yamashita, Yusuke Tanaka, Ayu Shono, Makiko Suzuki, Sachiko Yoshikawa, Keiko Sumimoto, Nao Shibata, Shun Yokota, Makiko Suto, Fumitaka Soga, Hiroki Takada, Kumiko Dokuni, Keiko Hatazawa, Eriko Hisamatsu, Kensuke Matsumoto, Kazuhiko Nakayama, Noriaki Emoto, Ken-Ichi Hirata, Kobe University Graduate School of Medicine, Kobe, Japan

494 - Aggressive Diuresis in Severe Pulmonary Hypertension Related Right Heart Failure: Effect on Renal Function and Blood Pressure  
Yasmin Raza, Lyana Labrada, Danielle Belardo, Paul Forfia, Heart and Vascular Institute, Temple University Hospital, Philadelphia, PA, USA, Heart Institute, Lankenau Medical Center, Wynnewood, PA, USA

### Special - Poster Contributions

#### Session #1108

#### ACC International Conferences Best Posters

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

075 - Genotype and Clinical Characteristics of Congenital Long Qt Syndrome in China: A Chinese Single Center Study  
Kun Li, Yang Jing, Yuanwei Liu, He Rong, Xue Yajun, She Fei, Liu Fang, Miao Guobin, Lv Tingting, Qiao Yu, Sun Shenjie, Li Siyuan, Zhou Jie, Li Ling, Zhang Ping, Beijing Tsinghua Changgung Hospital, Beijing, People's Republic of China

076 - Elevated Methylation Levels of FOXP3-TSDR Is Associated With Increased Risk For Adverse Outcomes in the Patients With Acute Coronary Syndrome

Ling Zhu, Zhongwei Liu, Junkui Wang, Rutai Hui, Lei Jia, Department of Cardiology, Shaanxi Provincial People's Hospital, Xi'an, Shaanxi, People's Republic of China, Department of Cardiovascular Internal Medicine, Fuwai Hospital, Beijing, People's Republic of China

077 - High-Dose Spironolactone in High Risk Acute Decompensated Heart Failure: Randomized Clinical Trial  
Fadhil Pratama Apriansyah, Nani Hersunarti, Dicky Armein Hanafy, National Cardiac Center Harapan Kita, Jakarta, Indonesia, Faculty of Medicine Universitas Indonesia, Jakarta, Indonesia

078 - Choosing the Best Mortality Predictor For Isolated CABG in Complex Coronary Artery Disease Patients: Performance Comparison of STS, EuroSCORE II, and SYNTAX Score II  
Luis Gonzales-Tamayo, Carlos M. Campos, Luiz Augusto Ferreira Lisboa, Luis Alberto Oliveira Dallan, Fábio Bisceglí Jatene, Omar A. V. Mejia, Sao Paulo's Heart Institute (INCOR-HCFMUSP), Sao Paulo, Brazil

079 - Static and Dynamic Physical Activity Are Independently Cardioprotective Throughout Adulthood  
Maia P. Smith, Department of Public Health and Preventive Medicine, School of Medicine, St. George's University, St. George's, Grenada

080 - Economic Evaluation of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in a Developing Nation  
Luis V. Martin Jimenez, Carlos Garcia, Diogenes Cuevas, Paola Garcia, Halley Moya, Cesar Herrera, CEDIMAT Cardiovascular Center, Santo Domingo, Dominican Republic

081 - Evaluation of the Diagnostic Accuracy of Smartphone Electrocardiogram Recorder Compared to Standard 12 Leads Electrocardiography in Hospital settings  
Jawaher Towhari, Nazish Masud, Haitham Al-Anazi, King Saud Bin Abdulaziz University, Ministry of National Guard Healthcare Affairs, Riyadh, Saudi Arabia, King Abdulaziz Cardiac Center, Ministry of National Guard Healthcare Affairs, Riyadh, Saudi Arabia

082 - Comparison of Percutaneous Coronary Intervention Versus Coronary Artery Bypass Grafting in Older Adults With Unprotected Left Main Coronary Artery Disease: A Meta-Analysis and Metaregression  
Mahin R. Khan, Waleed T. Kayani, Waqas Ahmad, Sadar Siddiqui, Saima A. Shahzad, Shazhad A. Mumtaz, Malalai Manan, Ravi S. Hira, Ihab Hamzeh, Hani Jneid, Salim S. Virani, Neal Kleiman, Mahboob Alam, Baylor College of Medicine, Houston, TX, USA

### Special - Poster Contributions

#### Session #1109

#### FIT Clinical Decision Making: Pulmonary Hypertension and Venous Thrombo-Embolic Disease 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

085 - D Dimer Sensitivity in Fully Anticoagulated Patients With Moderate Pretest Probability For Pulmonary Thromboembolism  
Haytham Allaham, Abdullah Mansour, Obai Abdullah, Crisitna Danila, University of Missouri, Columbia, MO, USA





086 - Life Threatening Thrombi in Pregnancy

Bryant Self, John Lystash, Virginia Tech Carilion School of Medicine, Roanoke, VA, USA

087 - Pulmonary Arterial Hypertension With Concomitant Left Ventricular Dysfunction: A Challenging Clinical Scenario

Luise Holzhauser, Jayant Raikhelkar, Lira Palen, Ann Nguyen, Bow Chung, Gene Kim, Bryan Smith, Nikhil Narang, Imo Ebong, Gabriel Sayer, Nir Uriel, University of Chicago, Chicago, IL, USA

088 - The Path of Least Resistance: A Case of Methamphetamine Associated Pulmonary Arterial Hypertension and Secundum Atrial Septal Defect Manifesting in the Postpartum Period

Katherine Dodd, Saurabh Rajpal, Ohio State Medical Center, Columbus, OH, USA

089 - Recurrent PEA Arrest

Milad El Hajj, Apryl Cronley, Ryan Tedford, Medical University of South Carolina, Charleston, SC, USA

090 - Acute Massive Pulmonary Embolus Complicated by Refractory Cardiogenic Shock: What Is the Optimal Right Ventricular Support Device?

Supria Batra, Alamelu Ramamurthi, Sergio Waxman, Sachin Shah, Lahey Hospital and Medical Center, Burlington, MA, USA

091 - A Unique Case of Venothromboembolism Treated With the AngioVac System

Matthew T. Finn, Sanjum Sethi, Mehdi Rambod, Matthew Bacchetta, Erika Berman Rosenzweig, Koji Takeda, Ajay Kirtane, Sahil Parikh, Philip Green, Columbia University Medical Center, New York, NY, USA

092 - Massive Pulmonary Embolism in Patient With Cerebellar Mass and No Standard Vascular Access

Ashley Filo, Jason Cuomo, Vishal Arora, Augusta University, Augusta, GA, USA

093 - Successful Ultrasound Assisted Catheter-Directed Thrombolysis Complicated With Renal and Hepatic Failure in Massive Pulmonary Embolism Octogenarian Patient

José Gildardo Paredes-Vázquez, Carlos Sanchez-Diaz, Felipe Valdes, Luis Manautou, Vicente Jimenez Franco, Mauricio Vázquez-Guajardo, Mariana Vanoye-Tamez, Raúl Del Toro-Mijares, Instituto Tecnológico y de Estudios Superiores de Monterrey, Monterrey, Mexico

094 - Acute Right Ventricular Failure Following Attempted Patent Foramen Ovale Closure in a Patient With Refractory Hypoxemia on Venovenous Extracorporeal Membrane Oxygenation

Robert Hull, John Hunninghake, Robert Walter, Phillip Mason, Christopher Pickett, Kelvin Bush, Brooke Army Medical Center, San Antonio, TX, USA

### Special - Poster Contributions

#### Session #1110

#### Cardiovascular Team Cases 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

095 - Multi-Vessel Coronary Artery Spasm: Challenging Case Study

Nancy L. Lundy, Parker Adventist Hospital, Parker, CO, USA

096 - Assessment of the Changes of Dietary Intake in Patients With Heart Failure During Hospitalization by Dietitian

Mari Honjo, Daisuke Matsumoto, Eiko Fujii, Yodogawa Christian Hospital, Osaka, Japan

### Special - Poster Contributions

#### Session #1111

FIT Clinical Decision Making: Heart Failure and Cardiomyopathies 1  
Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

097 - Spontaneous Fungal Peritonitis: A Rare Complication of Heart Failure

Ariel F. Gonzalez, Hilton Franqui-Rivera, University of Puerto Rico, San Juan, PR, USA

098 - Simultaneous Left Ventricular Assist Device Placement and Bullectomy

Avinash V. Sharma, Ana Barac, MedStar Washington Hospital Center, Washington, DC, USA

099 - Right Heart Failure Following Remote Transvenous Device Implantation

Martin van Zyl, Gregory W. Barsness, Mayo Clinic, Rochester, MN, USA

100 - Iron Woman: A Case of Acute Biventricular Heart Failure

Kiersten Frenchu, Jael Rodriguez, Brown University, Providence, RI, USA

101 - Aortic Root Thrombus: A Unique Complication After Left Ventricular Assist Device Placement

Ankur Jain, Ashkan Karimi, Nayan Agarwal, Mustafa Ahmed, R. David Anderson, University of Florida, Gainesville, FL, USA

102 - Pheochromocytoma Crisis Resulting in a Reverse-Takotsubo

Cardiomyopathy Requiring Extracorporeal Membrane Oxygenation

Cameron Whitler, Kathleen Morris, Ashwin Ravichandran, Sunit-Preet Chaudhry, Rafael Garcia-Cortes, Amit Patel, St. Vincent Indianapolis, Indianapolis, IN, USA

103 - The Titan of the Heart: A Curious Case of Titin Mutation Induced Cardiomyopathy

Anam Waheed, Flora Sam, Boston Medical Center, Boston, MA, USA

104 - A Rare Case of Scleroderma Fibrosis Causing Isolated Right Ventricular Dysfunction

Anshul Srivastava, Flora Sam, Boston Medical Center, Boston, MA, USA

105 - Eosinophilic Myocarditis Associated With Hypereosinophilic Syndrome

Junya Komatsu, Ayaka Machida, Hikaru Imafuku, Ryota Kida, Yoshihiro Ohkawa, Sho-Ichi Kubokawa, Hiroshi Sakaeda, Kazuya Kawai, Naohisa Hamashige, Yoshinori Doi, Chikamori Hospital, Kochi-Shi, Japan

106 - Gemcitabine Induced Cardiomyopathy

Nasreen Shaikh, Farrukh Iqbal, Muhammad Sardar, Ajay Shah, Monmouth Medical Center, Long Branch, NJ, USA

107 - Novel Use of Valsartan-Sacubitril as Treatment For Trastuzumab Induced Cardiomyopathy

Kathleen Morris, Savannah Wagner, Ashwin Ravichandran, Amit Patel, Sunit-Preet Chaudhry, Rafael Garcia-Cortes, St. Vincent Medical Group, Indianapolis, IN, USA

108 - An Uncommon Cause of Fulminant Myocarditis: Influenza B

Kathleen Morris, Amit Patel, Sunit-Preet Chaudhry, Markian Bochan, Christopher Salerno, Ashwin Ravichandran, St. Vincent Hospital, Indianapolis, IN, USA

109 - Cardiac Injury From Asymptomatic Duchenne Muscular Dystrophy

Iok Fai Cheang, Xin Li Li, the First Affiliated Hospital with Nanjing Medical University, Nanjing, People's Republic of China

110 - Multiple Hits at a College Football Game: Takotsubo With Underlying Hypertrophic Obstructive Cardiomyopathy

Shady Nakhla, Dermot Phelan, Cleveland Clinic Foundation, Cleveland, OH, USA



111 - Combination of Anabolic Steroid Use Can Result in Exogenous Thyrotoxicosis Induced Reversible Cardiogenic Shock  
Hassan Alkhawam, Preetham Reddy Muskula, Elsayed Abo-Salem, Curtis Walls, Tarek Helmy, Michael Lim, St. Louis University Hospital, St. Louis, MO, USA

112 - Shock Begets Shock: A Case of Direct Current Cardioversion Induced Takotsubo Cardiomyopathy  
Raja Zaghlol, Rama Hritani, Lakshmi Jayaram, Susan O'Donoghue, Georgetown University/Washington Hospital Center, Washington, DC, USA, MedStar Heart and Vascular Institute, Washington, DC, USA

113 - Low Flow Alarm in a Patient With Left Ventricular Assist Device: What Went Wrong?  
Fernando Ortiz, Thenappan Thenappan, University of Minnesota Medical Center, Minneapolis, MN, USA

114 - Reverse Takotsubo From Iatrogenic Stress Induced Cardiomyopathy  
Chad Ward, Abdul Qazi, Musab Alqasrawi, Oluwaseun Adeola, Brodie Marthaler, University of Iowa, Iowa City, IA, USA

115 - AT1R Autoantibody as Potential Mediator of Vasoreactivity and Chest Pain in Acute Myocarditis  
Vinh Chau, Richard Shepard, Inna Tchoukina, Antonio Abbate, VCU Pauley Heart Center, Division of Cardiology, Richmond, VA, USA

116 - Recurrent Giant Cell Myocarditis as Driver of Severe Cardiac Allograft Vasculopathy  
Brenton Scott Bauer, William Suh, Gregory Fishbein, Ali Nsair, UCLA Medical Center, Los Angeles, CA, USA

117 - Acute Decompensated Heart Failure Due to Chikungunya Fever  
Carolina Cunto De Athayde, Jaime Figueiredo, Monica Luna, Marcia Queiroz, Nadia Albuquerque, Fabio Nishijuka, Sebastião Castilho, Renata Castro, Hospital Naval Marcílio Dias, Rio de Janeiro, Brazil

118 - Bodybuilding Gone Wrong: Anabolic Steroid Induced Cardiomyopathy  
Afshan Ahmed, Andrey Vavrenyuk, Arzhang Fallahi, Edward Lin, David Hsi, Stamford Health, Stamford, CT, USA

119 - Early Recognition and Treatment of Transthyretin Amyloid Cardiomyopathy in the Modern Era  
Marc Kajut, NMCS, San Diego, CA, USA

120 - Chylothorax Complicating Orthotopic Heart Transplantation Treated Successfully With Thoracic Duct Embolization  
Linle Hou, Amit Alam, Kanika Mody, Michael Huang, Jesus Almendral, Aziz Ghaly, Deepa Iyer, Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ, USA, Hackensack Meridian Health - Jersey Shore Medical Center, Neptune City, NJ, USA

121 - Cardiac Involvement of Dermatomyositis: A Rare Presentation  
Arthur Davis, Gibbs Wilson, Kirill Lipatov, Margaret Happel, Baylor Scott and White, Temple, TX, USA

122 - A Rare Case of Minocycline Induced Eosinophilic Myocarditis  
Tarick Sheikh, Anam Malik, Paul Secheresiu, James Kimber, Hiwot Ayele, Lekha Racharla, Lehigh Valley Health Network, Allentown, PA, USA

123 - Refractory Hypoxia Due to Delayed Opening of Patent Foramen Ovale Following Heartmate III Left Ventricular Device Implantation  
Marcus Sublette, David Murray, Adam Gepner, William S. Middleton VA Hospital, Madison, WI, USA, University of Wisconsin Hospital, Madison, WI, USA

124 - Exertional Dyspnea in an Athlete: The Answer Is the History  
Erin Fender, Abhiram Prasad, Mayo Clinic, Rochester, MN, USA

125 - Immune Checkpoint Inhibitor-Related Myocarditis Presenting as Ventricular Tachycardia Storm  
Jessica Parr, Lavanya Kondapalli, University of Colorado, Aurora, CO, USA

126 - Opioid Withdrawal Induced Stress Cardiomyopathy With Recurrent Cardiogenic Shock  
Amber Makani, Michael Genuardi, Christopher Sciortino, Ravi Ramani, Gavin Hickey, UPMC, Pittsburgh, PA, USA

127 - Restrictive Cardiomyopathy Type C and Left Ventricular Non-Compaction: A Rare Association  
Nilda Espinola-Zavaleta, Diego Oregel Oregel-Camacho, Erick Alexanderson-Rosas, Alondra Flores-Garcia, Gyselle Camacho-Camacho, Instituto Nacional de Cardiología Ignacio Chavez, Mexico City, Mexico

128 - More Than What Meets the Eye: A Not So Obvious Cause of Pericardial Effusion  
Binaya Basyal, Neha Gupta, MedStar Washington Hospital Center, Washington, DC, USA, MedStar Heart and Vascular Institute, Washington, DC, USA

129 - Look Beyond the Heart: An Unusual Cause of Cardiomyopathy  
Binaya Basyal, Indra Bole, Neelam Baraj, Farooq Sheikh, MedStar Washington Hospital Center, Washington, DC, USA, MedStar Heart and Vascular Institute, Silver Spring, MD, USA

130 - Left Ventricular Assist Device Outflow Graft Stenosis Treated With Percutaneous Transcatheter Stenting  
Jasen Lee Gilge, Kevin Ball, Aaron Kelkhoff, Brian Bigelow, Ashwin Ravichandran, St. Vincent Hospital, Indianapolis, IN, USA

131 - When a Zebra Changes Its Stripes: Genomic Reclassification of a Rare Cause of Restrictive Cardiomyopathy  
Chonyang Albert, Rocio Moran, Christina Rigelsky, Wai Hong Tang, Cleveland Clinic Foundation, Cleveland, OH, USA

132 - Acute Aortic Insufficiency and Ventricular Tachycardia Secondary to Axillary Intra-Aortic Balloon Pump Migration  
Nicolas Isaza, Azucena Martinez, Jhonattan Benavides, Adriana Posada, Juan Hernando Del Portillo, Daniel Isaza-Restrepo, Jaime R. Cabrales, Fundacion Cardioinfantil - Instituto de Cardiología, Bogota, Colombia

133 - Reverse Remodelling and Restoration of Left Atrial Elasticity: A New Paradigm  
Bishal Bhandari, Maha Mikhail, Southern Illinois University, Springfield, IL, USA

134 - Early-Onset LVAD Pump Thrombosis in a Patient With Left Ventricular Noncompaction Cardiomyopathy  
Martin Miguel Inocencio Amor, David Majure, Harold Fernandez, North Shore University Hospital, Manhasset, NY, USA

135 - Ivosidenib-Induced Differentiation Syndrome Complicated by Myopericarditis and Cardiogenic Shock  
Paula Hernandez, Jaymin Patel, Allan Chen, University of South Florida, Morsani College of Medicine, Tampa, FL, USA

136 - Management of Type 2 Heparin-Induced Thrombocytopenia Prior to HeartMate 3 Left Ventricular Assist Device Implantation: A Case Series  
Syed Yaseen Naqvi, Jacqueline Morris, Jennifer Falvey, Igor Gosev, Bryan Barrus, Himabindu Vidula, University of Rochester Medical Center, Rochester, NY, USA

137 - Catecholamine-Induced Cardiomyopathy in the Postpartum Patient  
Amanda Verma, Dominique Williams, Akinobu Itoh, Kathryn Lindley, Washington University School of Medicine, St. Louis, MO, USA



138 - Dynamic LVAD Inflow Cannula Obstruction Secondary to Right Ventricular Dilation and Pulmonary Hypertension

Ryan Wilson, Mohammed Ruzieh, Omaima Ali, John Boehmer, Penn State Milton S. Hershey Medical Center., Hershey, PA, USA

### Special - Poster Contributions

#### Session #1112

#### FIT Clinical Decision Making: Interventional Cardiology 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

139 - Chemo-Coronaries: A Rare Form of Coronary Vasospasm Following 5-Fluorouracil Infusion

George Prousi, Joseph Moran, John Mannisi, Lehigh Valley Hospital, Allentown, PA, USA

140 - Dissecting Through 2018: A Case Series of Spontaneous Coronary Artery Dissection

Gerardo J. Zablah, Kunal Kapoor, Imran Farooq, Rosario Colombo, University of Miami, Miami, FL, USA, Jackson Memorial Hospital, Miami, FL, USA

141 - A Successful Use of Impella in High-Risk Primary Percutaneous Coronary Intervention in Patient With Critical Aortic Stenosis

Jian Liang Tan, Rahul Patel, Muhammad Raza, Crozer-Chester Medical Center, Upland, PA, USA

142 - An Unusual Presentation of an Inferior ST Elevation Myocardial Infarction

Wesam Ostwani, Adam Rafi, Sanjay Lulla, Jainil Shah, Pujan Patel, University of Florida, Jacksonville, FL, USA

143 - Dangerous Deception: Anterior STEMI and Aortic Dissection

Laureen Wang, William Kristanto, National University Hospital, Singapore, Singapore

144 - The Role of Instantaneous Flow Reserve For the Physiological

Assessment of Coronary Artery Disease in Patients With Hepatic Cirrhosis  
Willis Ko, Tahmid Rahman, Joseph Hellman, Gary Ledley, Drexel University College of Medicine, Philadelphia, PA, USA

145 - Coronary Aneurysms and Acute Coronary Syndrome: An Interventionalist's Dilemma

Preetham Reddy Muskula, Nauman Khalid, Alkhawam Hassan, Tarek Helmy, St. Louis University, St. Louis, MO, USA

146 - Percutaneous Trans-Septal Amplatzer Vascular Plug Closure of Mitral Paravalvular Leak in a Severely Symptomatic Patient

Preetham Reddy Muskula, Hassan Alkhawam, James Ampadu, Steve Smart, Tarek Helmy, Saint Louis University, Saint Louis, MO, USA

147 - Trans-Mitral Obstruction From a Self-Expanding Trans-Catheter Aortic Valve Implantation

Muhammad T. Bajwa, Blake Morris, Aneesh Pakala, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

148 - Think Before You Act: Avoiding the Oculostenotic Reflex in the Management of Spontaneous Coronary Artery Dissection

Jeffrey Tyler, Richard Cheng, Saibal Kar, Cedars-Sinai Medical Center, Los Angeles, CA, USA

149 - Acute Axillary Artery Occlusion After Transradial Coronary Catheterization

Robert Sogomonian, Rahul Gokhroo, Ramesh Gowda, Mount Sinai Heart at Mount Sinai Beth Israel, New York, NY, USA

150 - Impella Device Improves Pre- and Intra-Procedural Stability in Device Closure of Post-Myocardial Infarction Ventricular Septal Defect

Dennis H. Vanloozen, Braucher John, Sean Javaheri, Zahid Amin, Augusta University, Augusta, GA, USA

151 - A Novel Method For a New Problem: Retrieving a Leadless Pacemaker  
Shashank Jain, Ahmad Alkhalil, Shervin Golbari, Aishwarya Bhardwaj, Anoshia Raza, Monali Patel, Sina Zaim, Marc Klapholz, Rutgers New Jersey Medical School, Newark, NJ, USA

152 - Pneumopericardium Presenting as STEMI

Muhammad Hamza Saad Shaukat, Evan Joye, Hiren Patel, Neil Yager, Augustin DeLago, Mohammad El-Hajjar, Albany Medical Center, Albany, NY, USA

153 - Recurrent Catastrophic In-Stent Thrombosis

Prashanth Thakker, Mustafa Husaini, Kathleen Zhang, Alan Zajarias, Richard Bach, Alan Braverman, Washington University, Saint Louis, MO, USA

154 - ST-Segment Elevation While on 5-Fluorouracil: To PRAMI or Not to PRAMI?

Anna N. Tomdio, Adeel Siddiqui, Melissa Moey, Mhorys K. Pickmans, Dennis Morris, Vidant Medical Center, Greenville, NC, USA

155 - The Cardiovascular Disease Trifecta

Anna N. Tomdio, Melissa Moey, Adeel Siddiqui, Rajasekhar Nekkanti, Vidant Medical Center, Greenville, NC, USA

156 - Killer Spasm: A Case of Recurrent Coronary Vasospasm

Kirstin Hesterberg, Nureddin Almaddah, Meron Teshome, Khalid Najib, Rami Khouzam, University Of Tennessee Health Science Center, Memphis, TN, USA, Methodist University Hospital, Methodist Le Bonheur Health Care System, Memphis, TN, USA

157 - Complex Coronary Intervention in a Patient With Von Willebrand Disease: Novel Use of VWF/FVIII Concentrates Supplementation Prior to Procedure

Ahmad Al Turk, Asaad Nakhle, Mehul Bhalja, Ahmad Jabbar, Gerard Chaaya, Cindy Leissing, Charisse Ward, Tulane School of Medicine, New Orleans, LA, USA

158 - Eptifibatid Induced Profound Thrombocytopenia: A New Approach to Management Using Intravenous Immunglobulin and High Dose Steroids

Monali Patel, Giselle Suero-Abreu, Renjit Thomas, Ahmad Alkhalil, Shashank Jain, Anoshia Raza, Christine Gerula, James Maher, Alfonso Waller, Marc Klapholz, Rutgers- New Jersey Medical School, Newark, NJ, USA

### Special - Poster Contributions

#### Session #1113

#### FIT Clinical Decision Making: Vascular Medicine 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

159 - Rapidly Expanding Abdominal Aortic Aneurysm Caused by an Unusual Organism

Amer Sayed, Ramin Malekan, Weschester Medical Center, Valhalla, NY, USA

160 - Unplugging the Drain: Brachiocephalic Vein Angioplasty For Chylothorax

Faheemullah Beg, Tanushree Agrawal, Ashrith Guha, Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, USA, Department of Medicine, Houston Methodist Hospital, Houston, TX, USA

161 - Rapidly Progressive Aortitis in Uncontrolled Rheumatoid Arthritis

Tarun Ramayya, Muhammad F. Masood, Jennifer Sehn, Alan Braverman, Washington University in Saint Louis, Saint Louis, MO, USA



162 - Follow the Bubbles

Mehdi Afshar, Caio Vinicius Goncalves Frazao, Kevin R. An, Paul McMullin, Mohammad Alrefai, Laura Jiménez-Juan, Fuad Moussa, Shaheeda Ahmed, University of Toronto, Toronto, Canada

163 - Coated Aorta and Severe Mitral Regurgitation in a Young Patient: A Rare and Unusual Disorder

Elna Rrapo, Kelly Davidson, Aditya Sharma, University of Virginia Medical Center, Charlottesville, VA, USA

164 - Aortitis on Cardiac Magnetic Resonance Imaging With Histopathologic Correlation

Basil Al-Sabeg, Steven Shen, Jeremy J. Hinojosa, Faisal Nabi, Houston Methodist Hospital, Houston, TX, USA

165 - High-Output Heart Failure and Pulmonary Hypertension Secondary to Uncorrected Popliteal Arteriovenous Fistula

Pooja S. Jagadish, Patrick R. Higgins, Qasim M. Mirza, Tai-Hwang M. Fan, Kodangudi B. Ramanathan, University of Tennessee Health Science Center, Memphis, TN, USA

166 - Acute Infectious Aortitis in a Patient With Persistent Bacteremia

Daniel Desantis, Matthew Russell, Anthony Keller, Naval Medical Center San Diego, San Diego, CA, USA

167 - Desperate Times Require Desperate Measures: A Patient Presenting With Leg Pain

Solomon Seifu, Jonathan Bonilla, Maxime Savard, Zola N'Dandu, Louisiana State University Health Science Center, New Orleans, LA, USA, Ochsner Medical Center, New Orleans, LA, USA

168 - Severe Aortic Insufficiency Due to IgG4 Disease: A Case Report

Alison Spangler, Thomas Flautt, John Prather, Frank McGrew, Stern Cardiovascular Foundation, Memphis, TN, USA, Magnolia Regional Health Center, Corinth, MS, USA

### Special - Poster Contributions

#### Session #1114

#### Spotlight on Special Topics: Shared Decision Making 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

169 - Coverage With Evidence Development: Where Are We Now?

Emily Zeitler, Lauren Gilstrap, David Slotwiner, Sana Al-Khatib, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

170 - A Pilot Study of Advance Care Planning in the Outpatient Cardiology Setting: Preliminary Feasibility and Study Design

Krystle M. Leung, Charles Blatt, Shmuel Ravid, Brian Bilchik, Kristian Bakken, Donna R. McGrath, Rachelle E. Bernacki, Kristen G. Schaefer, Dara Lee-Lewis, Lown Cardiovascular Group, Chestnut Hill, MA, USA, Brigham and Women's Hospital, Boston, MA, USA

172 - Hypertension Outside of the Clinic: What Are Patients Are Discussing Online in the MedHelp Community?

Mohammed Abdullah, Khaled Abdelrahman, Arpan Prabhu, University of Texas Medical Branch, Galveston, TX, USA, Dell Medical School, The University of Texas at Austin, Austin, TX, USA

173 - Evaluating Patient Attitudes and Barriers Towards Mobile Health Technology For Cardiac Monitoring: Results From a Prospective Multi-Centre Study in an Elderly Population

Jefferson Ko, Anoop Koshy, Jithin Sajeev, Kevin Rajakariar, Jennifer Cooke, Louise Roberts, Andrew Teh, Austin Hospital, Melbourne, Australia, Box Hill Hospital, Melbourne, Australia

174 - Cardiology Fellow Perceptions on Shared Decision Making in Left Main Coronary Artery Disease: Developing a Patient Decision Aid

Mallory Barnett, Sohah Iqbal, New York University School of Medicine, New York, NY, USA

### Special - Poster Contributions

#### Session #1115

#### Spotlight on Special Topics: Education and Training 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

175 - Adult Cardiology Boot Camp: Description and Evaluation of a Novel Intensive Training Program For Adult Cardiology Trainees

Brian Case, Zorana Mrcic, Christy Kaiser, Todd C. Villines, Gaby Weissman, MedStar Washington Hospital Center, Washington, DC, USA, Walter Reed National Military Medical Center, Bethesda, MD, USA

176 - Interactive, Case-Based Education Can Improve Clinical Decision-Making and Management After ACS

Amy Larkin, David Anderson, Deepak L. Bhatt, Medscape Education, New York, NY, USA

177 - Diversity in Cardiovascular Training: Results of the Cardiovascular Program Directors' Survey

Julie B. Damp, Alex J. Auseon, Marty Tam, Paul Theriot, Gaby Weissman, Vanderbilt University Medical Center, Nashville, TN, USA, MedStar Washington Hospital Center, Washington, DC, USA

178 - 'Read Cardiac Magnetic Resonance (CMR) Studies With a Virtual Professor': A New Instruction Model For Cardiovascular Fellows

Chittur A. Sivaram, Candice Edwards, Faisal Latif, Beau Hawkins, Gaby Weissman, University of Oklahoma, Oklahoma City, OK, USA, MedStar Georgetown University, Washington, DC, USA

179 - Tagging ACC State Chapter Annual Scientific Meeting Program to ACC's Life Long Learning Competencies

Chittur A. Sivaram, Isaac Meier, Blake Morris, Adam Burroughs, Myrna Rae Page, Melissa Jones, Beth Quick-Andrews, Faisal Latif, University of Oklahoma, Oklahoma City, OK, USA

180 - Characteristics of Cardiovascular Training Programs and Program Directors: Initial Results of the Cardiovascular Program Directors' Survey

Alex J. Auseon, Gaby Weissman, Paul Theriot, Marty Tam, Julie Damp, University of Illinois at Chicago, Chicago, IL, USA, MedStar Georgetown University Hospital, Washington, DC, USA

### Special - Poster Contributions

#### Session #1116

#### FIT Clinical Decision Making: Non Invasive Imaging 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

171 - Caseous Calcification of the Mitral Annulus Associated With Embolic Infarcts and Chronic Pericardial Calcification

Michael Layoun, Trisha Thoms, Cristina Fuss, Eric Stecker, Abigail Khan, Oregon Health & Science University, Portland, OR, USA

181 - Pulmonary Artery Sarcoma as a Rare Cause of Progressive Dyspnea

Jimmarck Cueta, Michael Summers, Allen Mogtader, Deborah Heart and Lung Center, Browns Mills, NJ, USA

182 - Dangers of Labeling a Myocardial Perfusion Study as False Positive

Matthew Pflederer, Randall C. Thompson, Timothy M. Bateman, Arthur McGhie, Saint-Luke's Mid America Heart Institute, Kansas City, MO, USA



183 - Diagnosis and Management of Primary Left Atrial High-Grade Sarcoma in a 35 Year Old Male

Karan Motiani, Blake Nestok, Thomas O'Brien, The Christ Hospital, Cincinnati, OH, USA

184 - The Underlying Culprit of Cardioembolic Strokes: Noninfectious Thrombotic Endocarditis Masquerading as Papillary Fibroelastoma

Steven Song, Jacek Slowikowski, Virginia Tech Carilion School of Medicine, Roanoke, VA, USA

185 - Platypnea-Orthodeoxia Syndrome and Persistent Hypoxia in an Elderly Male With a Patent Foramen Ovale in the Setting of Normal Right-Heart Pressures: A Case Report

Marcin Kuzma, Jessie Bowers, Michael Farbaniec, Penn State Health Milton S. Hershey Medical Center, Hershey, PA, USA

186 - Masked by Anaphylaxis: Systemic Embolization With an Echocardiography Enhancing Contrast Agent

Marcin Kuzma, Kevin R. Parks, Mehrdad Ghahramani, Penn State Health Milton S. Hershey Medical Center, Hershey, PA, USA

187 - Cardiac Hamartoma Masquerading as Hypertrophic Cardiomyopathy

Nikoloz Shekiladze, Appesh Mohandas, Beka Bakhtadze, Nikoloz Koshkelashvili, Xiong Meng-Jun, Varuna Gadiyaram, Mikhael El-Chami, Emory University School of Medicine, Atlanta, GA, USA

188 - Squamous Cell Carcinoma of the Tongue With Metastasis to the Myocardium: A Rare Occurrence

Ali Shafiq, Fatima Samad, Adil Wani, Eric Roberts, A. Jamil Tajik, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

189 - The Gravid Atrium: An Uncommon Cause of Shortness of Breath in Pregnancy and the Expanding Role of Cardiac Magnetic Resonance Imaging in the Evaluation of Cardiac Masses

Rajeev Anchan, Kalie Kebed, Tae Song, Sarosh Rana, Roberto Lang, Amit Patel, Karima Addetia, University of Chicago, Chicago, IL, USA

190 - Familiar Fat, Unexpected Location

Natasha Mamdani, Maan Harb, Delia Dobrescu, Stephen Horgan, Morristown Medical Center, Atlantic Health System, Morristown, NJ, USA

191 - A Pericardial Cyst Causing Obstructive Shock: A Case Report

Injoon Lee, Neel Parikh, David Sane, Carilion Clinic Roanoke Memorial Hospital, Roanoke, VA, USA

192 - Anomalous Coronary Artery System Arising From Right Coronary Cusp

Mit Patel, Bryant Self, Jacek Slowikowski, Virginia Tech Carilion School of Medicine, Roanoke, VA, USA

193 - Role of Imaging in Lyme Carditis

Sharan Rufus Ponniah, Chander Shekhar, Prabhakaran Gopalakrishnan, Aultman Hospital/NEOMED, Canton, OH, USA

194 - Chylopericardium Secondary to Thoracic Duct Obstruction in a Patient With Plastic Bronchitis

Kyla Lara, Joshua Reber, Hilary DuBrock, Philip Araoz, Grace Lin, Mayo Clinic, Rochester, MN, USA

195 - Cast or Catheter, That Is the Question

Olisaemeka Achike, Adeyemi Taiwo, Constantin B. Marcu, Department of Cardiovascular Sciences, East Carolina Heart Institute, Greenville, NC, USA

196 - Between a Rock and a Hard Place: Idiopathic Cardiac Osseous Metaplasia Complicating Severe Mitral Regurgitation

Dany Debs, Basil Al-Sabeq, Mahesh Ramchandani, Mirette Fahim, Faisal Nabi, Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

197 - Loeffler's Endocarditis: A Diagnosis Made With Cardiac Magnetic Resonance (CMR) Imaging

Jeffrey Park, Mohamad Hemu, Dinesh Kalra, Rush University Medical Center, Chicago, IL, USA

198 - Diagnostic Pitfalls in the Assessment of Multivalvular Disease

Amanda Wen Cai, Sheldon Litwin, Medical University of South Carolina, Charleston, SC, USA

199 - Left Atrial Intramyocardial Dissecting Hematoma From Blunt Trauma Mimicking Left Atrial Tumor

Oluwaseun Akinseye, Mannu Nayyar, Darryl Weiman, Tai-Hwang Fan, University of Tennessee Health Science Center, Memphis, TN, USA

200 - Calcifying Pseudotumor: Echocardiographic Findings For Clinical Decision Making

Bo Hu, Nan Jiang, Qing Zhou, Wei Ren, Jinling Chen, Rui-Qiang Guo, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

201 - Uncommon Approach to Unusual Case of Purulent Pericarditis

Talha Aijaz, Ajoe Kattoor, Omid Behnamfar, Saqib Shami, Ray Sawaqed, Rami Doukky, Nataliya Pyslar, John H. Stroger Hospital, Chicago, IL, USA

202 - Cardiac Mass: A Diagnostic Challenge

Jeff Murray, Tarun Tandon, Venkata Alla, Creighton University, Omaha, NE, USA

203 - Combined Non-Invasive and Invasive Testing For the Comprehensive Assessment of Obstructive Coronary Artery Disease

Arif Albulushi, Khalid Al Saidi, Yiannis Chatzizisis, University of Nebraska Medical Center, Omaha, NE, USA

204 - Coronary Artery Pseudoaneurysm: A Rare Complication of Drug-Eluting Stenting

Mohamad Hemu, Dinesh Kalra, Rush University Medical Center, Chicago, IL, USA

### Special - Poster Contributions

#### Session #1117

#### FIT Clinical Decision Making: Valvular Heart Disease 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

205 - The Valvular Mass: A Diagnostic Dilemma

Cecil Rambarat, Peter A. Drew, John Petersen, University of Florida, Gainesville, FL, USA

206 - Infective Endocarditis in Bicuspid Aortic Valve

Seth Fakess, Stephanie Saucier, Hartford Healthcare, Hartford, CT, USA, University of Connecticut, Farmington, CT, USA

207 - Transcatheter Caval Valve Implantation For Severe Tricuspid Regurgitation

Enrique Padilla Campos, Brian Hachey, Scott Hurley, Rohan Mehta, Anahita Shahrrava, Ammar Tahir, Mugurel Bazavan, Fareed Collado, Advocate Illinois Masonic Medical Center, Chicago, IL, USA, Rush University Medical Center, Chicago, IL, USA

208 - Management of a Mechanical Mitral Valve Undergoing Stem Cell Transplantation

Gregory Miller, Samuel Reynolds, University of Louisville, Louisville, KY, USA



209 - Dual-Chamber Pacing For Postoperative Residual Left Ventricular Gradient After Aortic Valve Replacement and Concomitant Septal Myectomy For Severe Aortic Stenosis and Subvalvular Obstruction

Hikaru Imafuku, Junya Komatsu, Ayaka Machida, Ryuichiro Imai, Yoko Nakaoka, Sho-Ichi Kubokawa, Hiroyuki Irie, Kazuya Kawai, Naohisa Hamashige, Yoshinori Doi, Chikamori Hospital, Kochi-Shi, Japan

210 - Newly Diagnosed Aortic Stenosis in a Woman in Labor: What Would You Do?

Satyajit Reddy, Mary Carolina Rodriguez Ziccardi, Alina Brener, Joan Briller, University of Illinois at Chicago, Chicago, IL, USA

211 - Role of Echocardiography in Refractory Cardiogenic Shock Following Late Presentation of Myocardial Infarction

Tanya Doctorian, Yong Ji, Tigran Khachatryan, Jessica Mlotkowski, Vinutha Rajesh, Loma Linda University Medical Center, Loma Linda, CA, USA

212 - Multiple Cerebral Emboli Associated With Left Atrial Myxoma

Hassan Alkhwam, Victor Mwansa, Ali Mehdirad, Mudassir Mudassir Akhter, Dawn Hui, Saint Louis University School of Medicine, St. Louis, MO, USA

213 - Mobile Intracardiac Mass, Ball-Valve Syndrome, and Sudden Death

Jake Cho, Rakesh Prashad, University of Central Florida College of Medicine, Orlando, FL, USA, Ocala Regional Medical Center, Ocala, FL, USA

214 - A Floppy Valve in the Mix: A Rare Case of a Myxomatous Aortic Valve Causing Severe Aortic Insufficiency

Colin Kenny, Caroline Murphy, Emilio Fentanes, Tripler Army Medical Center, Tripler AMC, HI, USA

215 - Fever and Cardiogenic Shock, an Unusual Time Bomb: Infective Endocarditis Causing Aortic Pseudo-Aneurysm

Juan Simon Rico Mesa, Debanshu Roy, Rushit Kanakia, UTHSA, San Antonio, TX, USA

216 - Transfemoral Mitral Valve-in-Valve Implantation For Severe Prosthetic Regurgitation Secondary to a Flail Cusp

Sumeet Gandhi, Janine Eckstein, Neil Fam, Howard Leong-Poi, Chi-Ming Chow, Jeremy Edwards, Kim Connelly, St. Michael's Hospital, University of Toronto, Toronto, Canada

217 - *Tropheryma Whipplei* as a Rare and Diagnostically Challenging Cause of Culture-Negative Endocarditis

Hong Loan T. Nguyen, Vincent Siebert, Melanie Goebel, Yang Yang, Hiba Ali, Kenneth Muldrew, David McCants, Baylor College of Medicine, Houston, TX, USA

218 - Bioprosthetic Aortic Valve Nonbacterial Thrombotic Endocarditis Without Underlying Malignancy or Autoimmune Disease

Gerald Ngo, Mark Rosenthal, Linda Gillam, Rao Andavolu, Morristown Medical Center, Morristown, NJ, USA

219 - Hemodynamic Collapse After Colonoscopy: A Case of Infected Caseous Mitral Annular Calcification

Cameron Lambert, Jeffrey Hedley, Leslie Cho, Cleveland Clinic Foundation, Cleveland, OH, USA

220 - Mini-Thoracotomy Aortic Valve Replacement For Acute Aortic Insufficiency From Endocarditis

Matthew Russell, James Hemp, William Bennett, Naval Medical Center San Diego, San Diego, CA, USA, Scripps Mercy Hospital, San Diego, CA, USA

221 - Preprocedure Planning For Transcatheter Mitral Valve Replacement in Severe Mitral Annular Calcification

Mirette Fahim, Stefano Filippini, John Neill, Marija Vukicevic, Ross Reul, Stephen Little, The Methodist Hospital, Houston, TX, USA

222 - Unusual Reversible Cause of Valvular Involvement in Takayasu Aortitis  
Bharath Raj Kidambi, Shanmugam Krishnan, Sivasubramanian Ramakrishnan, V. K. Bahl, All India Institute of Medical Sciences, New Delhi, India

### Special - Poster Contributions

#### Session #1118

#### FIT Clinical Decision Making: Congenital Heart Disease 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

223 - Atypical Presentation of a Rare Congenital Disease: Scimitar Syndrome in the Elderly

Sergio Alegre-Boschetti, Jaime Rivera Babilonia, Ismael Valle, Eric Aviles Rivera, VA Caribbean Healthcare System, San Juan, PR, USA

224 - Management of Dynamic Subpulmonic Left Ventricular Outflow Tract Obstruction in a Patient With Dextro-Transposition of the Great Arteries Following Atrial Switch Repair

Maxine Stachel, Dan Halpern, Muhamed Saric, NYU Langone Health, New York, NY, USA

225 - Look For the Zebra: Atrial Septal Defects an Overlooked Source of Shortness of Breath Among Patients With Pulmonary Arterial Hypertension  
Ismael J. Valle, Carla Rodriguez, Suleyka Olivero, Sonia Vicenty, Aulet Frances, Veterans Affairs Caribbean Healthcare System, San Juan, PR, USA

226 - Use of Penumbra Occlusion Device (POD) System For Embolization of an Aortopulmonary Collateral in Scimitar Syndrome

Munes Fares, Carolyn Wilhelm, Martin Bocks, Rainbow Babies and Children Hospital, Cleveland, OH, USA

227 - Quadricuspid Aortic Valve Presenting as New Onset Heart Failure: A Case Report

Getnet Tioum, Temitope Olatunji-Bello, Paul Douglass, Adeyinka Adeniyi, Wellstar Atlanta Medical Center, Atlanta, GA, USA

228 - Cardiac Platypnea-Orthodeoxia Syndrome: A Rare Cause of Hypoxemia  
Pankil Desai, Andrey Vavrenyuk, Arzhang Fallahi, David Hsi, Wayne Miller, Stamford Hospital, Stamford, CT, USA

229 - Native Maternal Aortic Coarctation and Bicuspid Aortic Valve Associated With Pre-Eclampsia Superimposed on Chronic Hypertension With Severe Features

Umar Malik, Christopher Bunn, Jerome Yatskowitz, University of New Mexico, Albuquerque, NM, USA

230 - Patent Foramen Ovale Closure in a Patient With Platypnea-Orthodeoxia Syndrome and a Thoracic Aortic Aneurysm

James Mann, Jim Liu, Maurice Alston, Konstantinos Boudoulas, Ohio State University Wexner Medical Center, Columbus, OH, USA

231 - Escaping Sudden Cardiac Death: Managing Wide Complex Tachycardia in Tetralogy of Fallot

Joshua Saef, Kyle Mandsager, Pavan Bhat, David Majdalany, Thomas Dresing, Cleveland Clinic Foundation, Cleveland, OH, USA

232 - Primum Non Nocere: A Rare Case of Amplatz Erosion and Cardiac Pseudoaneurysm

Chirag Rana, Rana Garris, Antonious Fawzy, Bader Abu Ghalyoun, Minhauzer Rahman, Fayez Shamoan, Michel Habib, St. Joseph's Regional Medical Center, Paterson, NJ, USA



233 - Pulmonary Artery Vasculitis Masquerading as Eisenmenger Syndrome: Importance of Multimodality Imaging

[Adam Obaidi](#), Whitney Pack, Pankaj Madan, San Antonio Military Medical Center, San Antonio, TX, USA, South Texas Adult Congenital Heart Center, San Antonio, TX, USA

234 - Platypnea-Orthodeoxia: A Curable Cause of Recalcitrant Hypoxia  
[Joshua Cowgill](#), David Lapham, Sebastian Jablonski, Joseph Wight, Maine Medical Center, Portland, ME, USA

235 - Positive Stress Echocardiogram Resulting in the Diagnosis of an Interarterial Anomalous Right Coronary Artery  
[Joanna Troulakis](#), Minar Chhetry, Fawzi Ameer, Alexander Volodarskiy, Jonathan Ruan, New York-Presbyterian/Queens, Flushing, NY, USA, New York-Presbyterian/Weill Cornell, New York, NY, USA

236 - Pre-Operative Assessment Reveals a Single Coronary System Arising From the Right Coronary Ostium  
[Peter Khalil](#), Mohamed Teleb, Subrata Kar, Texas Tech University, El Paso, TX, USA

### Special - Poster Contributions Session #1119

#### **FIT Clinical Decision Making: Arrhythmias and Clinical EP 1** **Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

237 - A Dark and Stormy Night: Metastatic Cancer Causing Ventricular Arrhythmic Storm  
[Dustin Lee](#), Matthew Glassy, Zenaida Feliciano, Gholam Berenji, Faisal Shaikh, Janet Han, University of California, Los Angeles, Los Angeles, CA, USA

238 - Not So Fast... A Case of Leptomeningeal Carcinomatosis Masquerading as Tachy-Brady Syndrome  
[Ali Hasnie](#), Ammar Hasnie, Ragheb Assaly, University of Toledo Medical Center, Toledo, OH, USA

239 - The Case of the Migrating Loop Recorder  
Ali Hasnie, [Ammar Hasnie](#), Ragheb Assaly, University of Toledo Medical Center, Toledo, OH, USA

240 - Recurrent Torsade de Pointes in a Patient With Normal QT Interval  
[Qiyang Dai](#), James Alderman, David Rishikof, Metrowest Medical Center, Framingham, MA, USA

241 - Mystery Unraveled by Critical Observation: Recurrent Ventricular Arrhythmias Induced by Coronary Artery Spasm  
[Nkechi Mbaebie](#), Teresa Menendez, Berkshire Medical Center, Pittsfield, MA, USA

242 - Cerebrogenic Cardiopathy: A Rare Phenomenon of Ictal Asystole  
[Ajay Venkatanarayan](#), Doantrang Du, Monmouth Medical Center, Long Branch, NJ, USA

243 - A Novel Approach to a Poorly Performing Lead With Leadless Pacing Implantation  
[Bishoy Hanna](#), Obiora Egbuche, Neal Bhatia, Rajesh Sachdeva, Faisal Merchant, David Hirsh, Morehouse School of Medicine, Atlanta, GA, USA, Emory University School of Medicine, Atlanta, GA, USA

244 - Atresia of the Coronary Sinus Ostium With Anomalous Drainage Into Innominate Vein: Cardiac Resynchronization Therapy and Implications  
[Syed Rafay Ali Sabzwari](#), Lohit Garg, Fnu Vikram, Nikhil Mehta, Hiwot Ayele, Nghia Hoang, Lehigh Valley Health Network, Allentown, PA, USA

245 - Beyond Stage Fright: A Case of Glossophobia-Induced Sudden Cardiac Arrest  
[Ama Annor](#), Wilson Lam, Stephen May, Alexis Fenton, Texas Heart Institute, Houston, TX, USA

246 - Symptomatic Arrhythmias in a Patient With Anomalous Origin of the Right Coronary Artery (Common Presentation of an Uncommon Disease)  
[Nilay Patel](#), Tarun Dalia, Akshit Sharma, Raghuvveer Dendi, Eric Hockstad, University of Kansas Medical Center, Kansas City, KS, USA

247 - Benign Left Bundle Branch Block: Explaining the Linking Phenomenon  
[Saad Sultan Ghumman](#), James Mangrum, University of Virginia, Charlottesville, VA, USA

248 - An Unusual Presentation of Ventricular Tachycardia Due to Dofetilide Toxicity  
[Siddharth Reddy](#), Riaz Rahman, Rajiv Swamy, Puvalai Vijaykumar, Allegheny General Hospital, Pittsburgh, PA, USA, West Penn Hospital, Pittsburgh, PA, USA

249 - Cocaine Induced Brugada Pattern  
[Mohammed Al-Sadawi](#), Hassan Alkhawam, SUNY Downstate, Brooklyn, NY, USA

250 - Giant Colloid Cyst of the Brain Masquerading as Vasovagal Syncope  
[Mohsin Khan](#), Syed A. A. Gardezi, Vikram Nangia, Arshad Jahangir, A. Jamil Tajik, 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

251 - Cardiac Tamponade Secondary to a Novel Micra Leadless Pacemaker  
[Andrew J. Chapel](#), Firehiwot Achamyeleh, Chau Vu, Chukwunweike Nwosu, Joseph Hellman, Atul Bali, Gary Ledley, Sung-Hae Cho, Drexel University College of Medicine: Department of Medicine, Division of Cardiology, Philadelphia, PA, USA

252 - The Curse Without a Cause: A Case of Acquired Autonomic Dysfunction  
[Bader Abu Ghalyoun](#), Dema Shamooun, Rana Garris, Punita Gupta, Fayeze Shamooun, St. Joseph's Regional Medical Center, Paterson, NJ, USA

253 - Thyrotoxic Periodic Paralysis Crosses Borders From Muscles to the Heart: A Case of Hypokalemic Ventricular Tachycardia  
[Bader Abu Ghalyoun](#), Ibrahim Khaddash, Ismail Mourad, Dema Shamooun, Allarice Linaac, Satish Tiyyagura, St. Joseph's University Medical Center, Paterson, NJ, USA

254 - Hostile Tricuspid Valve Overcome by Selecting the Middle Cardiac Vein: An Alternative For the Standard Right Ventricular Lead Placement of Biventricular ICD  
[Ramy Mando](#), Gray Akoegbe, Rajan Shah, Hazem Malas, Waddah Maskoun, Henry Ford Hospital, Detroit, MI, USA, Beaumont Health System, Royal Oak, MI, USA

255 - Navigating Choppy Waters: MV Chop Misinterpreted as Pacemaker Malfunction  
[Ching Zhu](#), Janet Han, University of California, Los Angeles, Los Angeles, CA, USA

256 - Stress Cardiomyopathy: Arrhythmogenic Dilemma  
[Noah N. Williford](#), Milena A. Gebaska, University of Iowa, Carver College of Medicine, Iowa City, IA, USA

257 - Gastroparesis: A Rare But Reversible Complication of Atrial Fibrillation Ablation  
[Michael Lawrenz Co](#), Yong Ji, Mary Bato, Ronald Lo, Loma Linda University Medical Center, Loma Linda, CA, USA, Loma Linda Veterans Affairs Hospital, Loma Linda, CA, USA



258 - A Really Long QT: Ventricular Tachycardia Storm Post Takotsubo Cardiomyopathy

Ali Salman, SUNY Upstate Cardiology, Syracuse, NY, USA

259 - A Case of Dilated Cardiomyopathy With Dyssynchrony Due to WPW  
Edward Chau, Khuyen Do, Rahul Doshi, Keck School of Medicine of USC, Los Angeles, CA, USA, LAC/USC Medical Center, Los Angeles, CA, USA

260 - Primary Cardiac Arrest in a Not-so-Asymptomatic Carrier of Duchenne Muscular Dystrophy

Brenden Boyle, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

261 - Catheter Ablation For Sustained Monomorphic Ventricular Tachycardia From an Uncommon Origin

Lin Gao, Asif Sewani, UTMB, Galveston, TX, USA

262 - Brugada Syndrome in a Young Patient: To Recommend an ICD or Not to Recommend an ICD?

Mark Kaeppler, Ridhima Kapoor, James Oujiri, Medical College of Wisconsin, Milwaukee, WI, USA

263 - A Case of Twiddler's Syndrome

Osama Kandalaf, Abdullah Pervaiz, Calvin Craig, Bernard Lim, Baystate Medical Center, Springfield, MA, USA

264 - Deglutition Syncope in a Patient With Gastric Adenocarcinoma

Loui Rejjal, Omar Al-Taweel, Muhammad Choudhry, George Carayannopoulos, Rafic Barbarie, Shreyas Modi, Ahmad Al-Taweel, Asif Sewani, University of Texas Medical Branch, Galveston, TX, USA

### Valvular Heart Disease - Poster Contributions Session #1138

#### Valvular Heart Disease: Clinical 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

457 - A Hospital-Based Retrospective Study of Patients With Valvular Heart Diseases in China (the China PEACE Retrospective Study of Valvular Heart Disease)

Xinghe Huang, Jing Li, Xueke Bai, Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, People's Republic of China

458 - Initial Changes in Peak Aortic Jet Velocity and Mean Gradient Predict Progression to Severe Aortic Stenosis

Arash Nayeri, Samuel Jackson, Meng Xu, Eric Farber-Eger, Marcia Blair, Inderpreet Saini, Gregg C. Fonarow, Kamran Shamsa, John A. McPherson, Quinn Wells, Vanderbilt University Medical Center, Nashville, TN, USA, University of California, Los Angeles (UCLA), Los Angeles, CA, USA

459 - Current Surgical Risk Scores Overestimate the Risk Associated With Minimally Invasive Aortic Valve Replacement in Low-Risk Patients

Ahmed Alnajjar, Subhasis Chatterjee, Brenden Chou, Mariam Khabsa, Madeline Rippstein, Vei Vei Lee, Angelo La Pietra, Joseph Lamelas, Baylor College of Medicine, Houston, TX, USA, Mount Sinai Medical Center, Miami Beach, FL, USA

460 - Trends in Infective Endocarditis Incidence, Characteristics, and Valve Replacement in Patients With Opioid Use Disorders in the United States From 2005 to 2014

Makoto Mori, Kelly Brown, Syed Usman Bin Mahmood, ARNAR GEIRSSON, Abeel Mangi, Yale School of Medicine, New Haven, CT, USA

461 - Clinical Implication of Baseline Thrombocytopenia on TAVR In-Hospital Outcomes: A Propensity-Matched Study

David Song, Ahmad Alkhalil, Nishant Vatsa, Carlos Ruiz, Rutgers New Jersey Medical School, Newark, NJ, USA, Hackensack University Medical Center, Hackensack, NJ, USA

462 - Anticoagulation in Infective Endocarditis: Insights From Nationwide Inpatient Sample

Ahmed Elkaryoni, Siva S. Taduru, Amr Barakat, Hasan F. Othman, Jonathan Enriquez, University of Missouri Kansas City, Kansas City, MO, USA, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

463 - Functional and Hemodynamic Outcome at Rest and During Exercise After a Novel Trans Annular Mitral Bridge Implantation For Functional Mitral Regurgitation

Valavanur A. Subramanian, Miroslav Benesova, Stepan Cerny, Na Homolce Hospital, Prague, Czech Republic

464 - Epidemiology and Trends of Aortic Stenosis Mortality in the United States (1999-2016)

Graham Bevan, Sadeer Al-Kindi, University Hospitals, Cleveland, OH, USA, Case Western Reserve University, Cleveland, OH, USA

### Valvular Heart Disease - Poster Contributions Session #1139

#### Valvular Heart Disease: Therapy 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

469 - A Retrospective Comparison of Tricuspid Valve Surgery to Tricuspid Valve Vegetation Debulking With AngioVac For Isolated Tricuspid Valve Endocarditis

Bennet J. George, Patricia Santos, Katherine Donaldson, Thaer Musa, John Kotter, Susan Smyth, Andrew Leventhal, John Gurley, University of Kentucky - Gill Heart & Vascular Institute, Lexington, KY, USA

470 - Rapid Implantation and Right Anterior Minithoracotomy Approach For Surgical AVR in Elderly Patients

Gabriele Tamagnini, Liborio Mammana, Carla Beggino, Marco Paris, Matteo Saccocci, Josè Luis Zulueta, Marianna Nardoza, Elisa Mikus, Mauro Del Giglio, Istituto Clinico San Rocco, Ome, Italy

471 - Angiotensin Converting Enzyme Inhibitor Therapy Is Associated With Reduced Survival in Patients With Severe Aortic Regurgitation: A 20 Year Follow Up in 756 Patients

Mandira Patel, Padmini Varadarajan, Asbat Hasan, Aditya Goud, Ramdas Pai, University of California, Riverside, Riverside, CA, USA

472 - Heart Team Structured to Maximize Transcatheter Aortic Valve Replacement Outcomes: First 200 Implants With Zero 30-Day Mortality in 220 Bed Hospital

Peter Auteri, Joseph S. Auteri, Steven Guidera, Frank Grzywacz, David Boland, Richard Mascolo, Craig Kesack, Jennifer Harrar, James McClurken, Doylestown Hospital, Doylestown, PA, USA

473 - Survival After Mitral Valve Replacement in Patients With Mitral Annular Calcification and Mitral Stenosis

Ravji Tsutsui, Kinjal Banerjee, Eli Simsolo, James Thomas, Samir Kapadia, Zoran Popovic, Cleveland Clinic, Cleveland, OH, USA, Northwestern University, Chicago, IL, USA

474 - Clinical Impact of Post Procedural Functional Mitral Regurgitation After Transcatheter Aortic Valve Replacement

Eyal Ben-Assa, Simon Biner, Yaron Arbel, Sammy Elmariah, Shmuel Banai, Gad Keren, Ariel Finkelstein, Yan Topilsky, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, Massachusetts General Hospital, Boston, MA, USA





### Vascular Medicine - Poster Contributions

#### Session #1135

#### Vascular Medicine: Basic 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

449 - Incidence and Cause of Death of Acute Aortic Dissection in Patients With Out-of-Hospital Cardiopulmonary Arrest Analyzed by Computed Tomography

Shinsuke Takeuchi, Hideaki Yoshino, Kyorin University School of Medicine, Mitaka City, Tokyo, Japan

450 - Advanced Glycation End Products Impaired Voltage-Gated K<sup>+</sup> Channel on Rat Coronary Smooth Muscle Cells by Activating NF-κB Signaling Pathway

Bing Hua, Qingbo Liu, Side Gao, Beibing Di, Shandong Yu, Wen Su, Weiping Li, Hongwei Li, Beijing Friendship Hospital, Beijing, People's Republic of China

451 - Atheroprotective Actions of Oxytocin in Human Macrophages: Reduced Lipid Accumulation Under Inflammatory Conditions

Ariel Karten, Lora Kasselmann, Heather A. Renna, Eric Lam, Daniel S. Glass, Nicholas A. Vernice, Joshua DeLeon, Allison Reiss, NYU Winthrop Hospital, Mineola, NY, USA

452 - Betatrophin Predicts Cardiovascular Events Independently From the Presence of Type 2 Diabetes and Coronary Artery Disease

Andreas Leiberer, Dieter Luetjohann, Axel Muendlein, Kathrin Geiger, Christoph H. Saely, Eva-Maria Brandtner, Barbara Larcher, Arthur Mader, Peter Fraunberger, Heinz Drexel, VIVIT-Institute, Feldkirch, Austria

453 - Single and Combined Effects of Peripheral Artery Disease and of Type 2 Diabetes Mellitus on the Risk of Cardiovascular Events in Women

Christoph H. Saely, Marc Schindewolf, Alexander Vonbank, Christine Heinzle, Daniela Purin, Barbara Larcher, Arthur Mader, Andreas Leiberer, Axel Muendlein, Heinz Drexel, Iris Baumgartner, VIVIT-Institute, Feldkirch, Austria

454 - Apabetalone, an Epigenetic BET Inhibitor in a Phase 3 Trial, Inhibits Vascular Inflammation and Cellular Adhesion Leading to Beneficial Outcomes in CVD Patients

Laura Tsujikawa, Li Fu, Shovon Das, Brooke D. Rakai, Chris D. Sarsons, Christopher Halliday, Stephanie C. Stotz, Emily Daze, Sylwia Wasiaik, Deborah Studer, Sam Dorosz, Kristina D. Rinker, Michael Sweeney, Jan O. Johansson, Norman Wong, Ewelina Kulikowski, Resverlogix Corp., Calgary, Canada, University of Calgary, Calgary, Canada

### Vascular Medicine - Poster Contributions

#### Session #1136

#### Vascular Medicine: Endovascular Therapy 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

455 - Prognostic Nutritional Index as a Predictor of Prognosis in Patients With Critical Limb Ischemia Who Underwent Endovascular Revascularization Therapy

Wai Kin Chi, Guangming Tan, Bryan Yan, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong, Hong Kong

456 - Clinical Outcome of Endovascular Therapy With Routine Stenting Versus Endarterectomy For Common Femoral Artery Atherosclerotic Disease: A Proportional Meta-Analysis

Khalid Chngal, Mubbasher Syed, Tawseef Dar, Mujeeb Sheikh, Mercy St. Vincent Medical Center, Toledo, OH, USA, University of Toledo Medical Center, Toledo, OH, USA

465 - An Alternative Way to Treat Iliac Aneurysm

Graziana Derone, David Barilla, Domenico Spinelli, Narayana Pipitò, Filippo Benedetto, Vascular Surgery, Policlinico Universitario "G Martino", Messina, Italy

466 - Outcomes of Atherectomy With Adjunctive Angioplasty Compared to Angioplasty Alone in the Management of Obstructive Femoropopliteal Disease: A Meta-Analysis

Yogesh R. Jonna, Megan Christenson, Manu Kaushik, Medical College of Wisconsin, Milwaukee, WI, USA

### Vascular Medicine - Poster Contributions

#### Session #1137

#### Vascular Medicine: Non Coronary Arterial Disease 1

Saturday, March 16, 2019, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

467 - Impaired Renal Function and Cognitive Decline in Elderly With Vascular Burden

Laurien Zijlstra, Stella Trompet, Simon P. Mooijaart, Marjolijn van Buren, Johan Jukema, Leiden University Medical Center, Leiden, The Netherlands

468 - <sup>18</sup>F-Flouride Uptake in Penile Arteries: Does It Represent

Atherosclerotic Basis of Erectile Dysfunction in Patients With Prostate Cancer

Takehiro Nakahara, Jagat Narula, Jan Tijssen, Sunil Agarwal, Mohammed Chowdhury, Patrick A. Coughlin, Marc Dweck, James Rudd, Masahiro Jinzaki, John Mulhall, Harry Strauss, Memorial Sloan Kettering Hospital, New York, NY, USA, Mount Sinai Heart, Icahn School of Medicine at Mount Sinai, New York, NY, USA

475 - Ticagrelor Improves Blood Viscosity-Dependent Microcirculatory Flow in Patients With Lower Extremity Arterial Disease: Primary Results of the Hema-Kinesis Trial

Robert S. Rosenson, Sherwin D. Najera, Qinzhong Chen, Prakash Krishnan, Martin L. Lee, Icahn School of Medicine at Mount Sinai, New York, NY, USA, RheoVector, King of Prussia, PA, USA

476 - Central Hypertension in Patients With Thoracic Aortic Aneurysms Without Established Diagnosis of Hypertension: Prevalence and Association With Aneurysm Size

Jasjit Rooraj, Munir Boodhwani, Luc Beaudesne, Kwan-Leung Chan, Carole Dennie, Sudhir Nagpal, Thais Coutinho, University of Ottawa Heart Institute, Ottawa, Canada

### Non-Certified Industry Events - Learning Destinations

#### Session #4201

#### Sanofi-Regeneron

Saturday, March 16, 2019, 9:45 a.m. - 10:15 a.m.

Expo Hall 2519-Innovation Stage

CME Hours: /CNE Hours:

9:45 a.m.

Sanofi-Regeneron

#### Special - Gaming

#### Session #6000

#### Engage @ACC.19 Studio: FIT Jeopardy I

Saturday, March 16, 2019, 9:45 a.m. - 11:45 a.m.

Engage@ACC.19

CME Hours: 2 /CNE Hours: 2

Chair: Srinath Adusumalli

Co-Chair: Nkechinyere Ijioma

Judge: Alison Bailey

Judge: Neil J. Weissman

Judge: James A. Arrighi

Judge: Julie B. Damp



9:45 a.m.

Group 1: Maryland, Indiana, Mississippi, Ohio

10:15 a.m.

Group 2: Virginia, New York, Louisiana, Tennessee

10:45 a.m.

Group 3: Puerto Rico, Iowa, Georgia, Kansas

11:15 a.m.

Group 4: Nebraska, Utah, Colorado, South Dakota

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

#### Session #1000

#### Biomarker Central: Role of Emerging Biomarkers in CAD

Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall F

CME Hours: /CNE Hours:

ACC Poster Moderator: Sohah Iqbal

ACC Poster Moderator: Giovanni Battista Zito

10:00 a.m.

Inflammatory Biomarkers and Cardiovascular Outcomes in Patients With STEMI: A Nested Observational Study From LATITUDE-TIMI 60  
David Berg, Michelle O'Donoghue, Petr Jarolim, Jianping Guo, Ruchira Glaser, Marc Sabatine, David Morrow, TIMI Study Group, Brigham and Women's Hospital, Boston, MA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Spot-Testing Urine pH, a Novel Biomarker For Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention  
Yuan-Hui Liu, Peng-Cheng He, Ning Tan, Jiyan Chen, Xuebiao Wei, Guangdong Cardiovascular Institute, Guangdong General Hospital, Guangzhou, People's Republic of China

10:25 a.m.

Question and Answer

10:30 a.m.

High-Sensitivity Troponin Is Associated With High-Risk Coronary Plaque in Psoriasis  
Jenis Argueta-Amaya, Amit Dey, Youssef Elnabawi, Clarence Ling, Sun Qian, Harry Choi, Noor Khalil, Milena Aksentijevich, Justin Rodante, Parag Shukla, Heather Teague, Andrew Keel, Leonard Genovese, Veit Sandfort, Marcus Chen, David Bluemke, Joel Gelfand, Alan Remaley, Martin Playford, Nehal Mehta, NHLBI, NIH, Bethesda, MD, USA

10:40 a.m.

Question and Answer

10:45 a.m.

hsCRP Predicts Mortality Beyond Troponin in 102,337 Patients With Suspected Acute Coronary Syndrome in the UK National Institute For Health Research CRP-RISK Study  
Amit Kaura, Adam Hartley, Vasileios Panoulas, Glampson Benjamin, Jim Davies, Kerrie Woods, Abdulrahim Mulla, Anoop D. Shah, Keith Channon, Jonathan N. Weber, Mark R. Thursz, Paul Elliott, Harry Hemingway, Bryan Williams, Folkert W. Asselbergs, Rajesh Kharbanda, Graham M. Lord, Narbeh Melikian, Riyaz Patel, Divaka Perera, Ajay Shah, Darrel Francis, Wolfgang Koenig, Jamil Mayet, Ramzi Khamis, NIHR Imperial Biomedical Research Centre, Imperial College London, London, United Kingdom

10:55 a.m.

Question and Answer

11:00 a.m.

Impact of Residual Inflammatory Risk in Patients With Low LDL-Cholesterol Undergoing Percutaneous Coronary Intervention: Insight From a Large Single-Center Registry  
Paul Guedeny, Bimmer Claessen, Deborah Kalkman, Melissa Aquino, Sabato Sorrentino, Moritz Blum, Gennaro Giustino, Serdar Farhan, Birgit Vogel, Samantha Sartori, Gilles Montalescot, Joseph Sweeny, Jason Kovacic, Nitin Barman, George Dangas, Annapoorna Kini, Usman Baber, Samin Sharma, Roxana Mehran, Icahn School of Medicine at Mount Sinai, New York, NY, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Influence of Platelet Reactivity and Fibrinogen Levels on Clinical Outcomes in East Asian Patients Treated With Percutaneous Coronary Intervention  
Min Gyu Kang, Jong-Hwa Ahn, 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

11:25 a.m.

Question and Answer

11:30 a.m.

Measures of Waist and Hip Modify Sex-Specific Associations Between Body Mass Index and Prevalence of Coronary Artery Calcification in Opposite Directions  
Stefan Söderberg, Håkan Ahlström, Anders Blomberg, John Brandberg, Kenneth Caidahl, Kerstin Cederlund, Gunnar Engström, Jan Engvall, Erika Fagman, Karl Franklin, Tomas Hansen, Bo Hedblad, Ola Hjelmgren, Tomas Jernberg, Lars Lind, Hanna Markstad, Lars T. Nilsson, Anders Persson, Margaretha Persson, Annika Rosengren, Magnus Sköld, Johan Sundstrom, Eva Swahn, Ulf Strömberg, Carl Johan Östgren, Umeå University, Umeå, Sweden

11:40 a.m.

Question and Answer

11:45 a.m.

Crotonobetaine Is a Proatherogenic Gut Microbiota Metabolite of L-Carnitine  
Robert Koeth, Miranda Culley, Zeneng Wang, Ina Nemet, Jennifer Kirsop, Elin Org, Jennifer Buffa, Xinmin Li, Bruce Levison, David Bartlett, Xiaoming Fu, Yuping Wu, Lin Li, Jonathan Smith, Joseph DiDonato, Jake Lusic, Wai Hong Tang, Stanley L. Hazen, Cleveland Clinic, Cleveland, OH, USA

11:55 a.m.

Question and Answer

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1001

#### Atrial Arrhythmias: What the Latest Research Tells Us About Mechanism and Outcomes

Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.

Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall F

CME Hours: /CNE Hours:

ACC Poster Moderator: Aysha Arshad

ACC Poster Moderator: Sanjiv M. Narayan



10:00 a.m.

Efficacy of Ivabradine in the Management of Focal Atrial Tachycardia  
Jayaprakash Shenthar, [Bharatraj Banavalikar](#), Deepak Padmanabhan, Javed Parvez, Sanjai P. V., Sinam Innaoton Singha, Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bengaluru, India

10:10 a.m.

Question and Answer

10:15 a.m.

Healthcare Resource Utilization Associated With Electrocardiograph (ECG) Sensor Patch Screening For Atrial Fibrillation (AF): Results From the mHealth Screening to Prevent Strokes (mSToPS) Trial  
[Steven R. Steinhubl](#), Alison M. Edwards, Jill Waalen, Robert Zambon, Rajesh Mehta, Lauren Ariniello, Gail Ebner, Katie Baca-Motes, Chureen Carter, Elise Felicione, Troy Sarich, Eric Topol, Scripps Research Translational Institute, LaJolla, CA, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Catheter Ablation For Atrial Fibrillation Is Followed by Lower Hospitalization Rates in Heart Failure Patients Regardless of Ejection Fraction: Insights From the Nationwide Readmission Database  
[Ahmed Elkaryoni](#), Firas Al Badarin, Kevin Kennedy, Alan P. Wimmer, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA, University of Missouri Kansas-City, Kansas City, MO, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Safety and Effectiveness of Pharmacological Conversion and Direct Current Cardioversion in Persistent Atrial Fibrillation: Results of Randomized Trial  
[Nikolay Mironov](#), Vladislav Vlodzyanovsky, Yulia Yuricheva, Sergey Sokolov, Sergey Golitsyn, Leonid Rosenstraukh, Eugeny Chazov, Russian Cardiology Research Center, Moscow, Russian Federation

10:55 a.m.

Question and Answer

11:00 a.m.

Catheter Ablation Scars and the Risk of Cerebrovascular Events in Patients With Atrial Fibrillation  
[Mobin Kheirkhahan](#), Matin Goldooz, Alex Baher, David Peritz, Alan Morris, Gagandeep Kaur, Bosten Loveless, Benjamin Hardisty, Ibolya Csecs, Brent Wilson, Mihail Chelu, Nassir Marrouche, Comprehensive Arrhythmia Research & Management (CARMA) Center, Salt Lake City, UT, USA, Division of Cardiovascular Medicine, University of Utah, Salt Lake City, UT, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Early Mortality Following Catheter Ablation of Atrial Fibrillation: Insights From the Nationwide Readmissions Database 2010 - 2015  
[Edward Cheng](#), Christopher Liu, Ihlwan Yeo, Steven Markowitz, George Thomas, James Ip, Bruce Lerman, Luke Kim, Jim Cheung, Division of Cardiology, New York Presbyterian Hospital-Weill Cornell Medical Center, New York, NY, USA, Division of Cardiology, Weill Cornell Medicine, New York, NY, USA

11:25 a.m.

Question and Answer

11:30 a.m.

Machine Learning Identifies Sites Where Ablation Terminates Persistent Atrial Fibrillation  
Mahmood Alhuseini, Firas Abuzaid, Paul Clopton, [Albert Rogers](#), Miguel Rodrigo, Tina Baykaner, Paul Wang, Wouter-Jan Rappel, Sanjiv Narayan, Stanford University, Stanford, CA, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Atrial Conduction Delay in Serially Stacked Obstructive Sleep Apnea Episodes  
[Krishan Patel](#), Pavan Reddy, Hussain Basrawala, Shamili Allam, Edwin Valladares, Vincent Grbach, Michael Khoo, Vladimir Konecny, Rahul Doshi, Terese Hammond, Virend Somers, Tomas Konecny, Keck School of Medicine of USC, Los Angeles, CA, USA

11:55 a.m.

Question and Answer

### **Congenital Heart Disease - Moderated Poster Contributions Session #1002**

#### **Risks and Rewards in Adult Congenital Heart Disease**

**Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.**

**Congenital Heart Disease and Pulmonary Hypertension Moderated  
Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Elisa Bradley

ACC Poster Moderator: David Gregg

10:00 a.m.

Neurocognitive Deficits in Adult Congenital Heart Disease: Does Coronary Artery Disease Add Insult to Injury?  
[Melissa L. Morello](#), Mark Beidelman, Priyanka Saha, Erik Ingelsson, Gary Shaw, George Lui, James Priest, Stanford Hospital, Palo Alto, CA, USA, Lucile Packard Children's Hospital, Palo Alto, CA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Does Right Ventricular Dilation After Pulmonary Valve Replacement Predict Adverse Clinical Outcomes in Patients With Repaired Tetralogy of Fallot?  
[Tony Pastor](#), Lynn Sleeper, Valeria E. Duarte, Sheila Drakeley, Minmin Lu, Tal Geva, Anne Marie Valente, Boston Children's Hospital, Boston, MA, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Repeated Heart Failure Hospitalizations in Adults With Congenital Heart Disease  
[Lee Harel-Sterling](#), Fei Wang, Michal Abrahamowicz, Aihua Liu, Liming Guo, James Brophy, Gilles Paradis, Ariane Marelli, McGill Adult Unit for Congenital Heart Disease Excellence, Montreal, Canada

10:40 a.m.

Question and Answer

10:45 a.m.

Determinants of Sudden Cardiac Death in Adult Patients With Eisenmenger Syndrome  
[Anca Chiriac](#), Matthew Russell, Jeremy Moore, Emily Vargas, David Hodge, Christopher McLeod, Mayo Clinic, Rochester, MN, USA, UCLA, Los Angeles, CA, USA



10:55 a.m.  
Question and Answer

11:00 a.m.  
Impact of Insurance Coverage and Physician Communication on Loss to Follow-Up in Adults With Congenital Heart Disease: Results of the Congenital Heart Survey To Recognize Outcomes, Needs, and well-being (CH STRONG)  
Preston Boyer, Michael Seckeler, Jennifer Andrews, Scott Klewer, University of Arizona, Tucson, AZ, USA, Banner University Diamond Children's Medical Center, Tucson, AZ, USA

11:10 a.m.  
Question and Answer

11:15 a.m.  
Sizing Up Fontan Failure: Affects of Increasing BMI in Adulthood  
Ryan Byrne, Angela Weingarten, Dan Clark, Steve Healan, Benjamin Frischhertz, Vanderbilt University Medical Center, Nashville, TN, USA

11:25 a.m.  
Question and Answer

11:30 a.m.  
Improving Completion of Advanced Directives in Adults With Congenital Heart Disease  
Nancy H. Klein, Whitney Osborne, Brynn Connor, Rachel Steury, Ruth Phillippi, Seiji Ito, Anitha John, Children's National Health System, Washington, DC, USA

11:40 a.m.  
Question and Answer

11:45 a.m.  
Role of QRS Fragmentation For Risk Stratification in Adults With Tetralogy of Fallot  
Alexander C. Egbe, Heidi Connolly, Mayo Clinic, Rochester, MN, USA

11:55 a.m.  
Question and Answer

**Heart Failure and Cardiomyopathies - Moderated Poster Contributions**  
**Session #1003**  
**Mechanical Assist Devices, Transplantation, and Critical Care in Advanced Heart Failure**  
**Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.**  
**Heart Failure and Cardiomyopathies Moderated Poster Theater, Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Grace Lin  
ACC Poster Moderator: JoAnn Lindenfeld

10:00 a.m.  
The Impact of a Closed Cardiac Intensive Care Unit Model With a Dedicated Heart Failure Specialist on the Primary Outcome of Death in Critically Ill Patients  
Yekaterina Kim, Aleksandr Kalininskiy, Mounica Yanamandala, Joshua Josephs, Navid Ahmed, Andrei Assa, Fathima Jahufar, Salil Kumar, Pauline Edwards, Aman Shah, Ulrich Jorde, Daniel Sims, Albert Einstein School of Medicine, Montefiore Medical Center, Bronx, NY, USA

10:10 a.m.  
Question and Answer

10:15 a.m.  
Cardiac and Systemic Inflammatory Burden Predicts Cardiac Recovery in Ventricular Assist Device Patients: A Prospective Study  
Nikolaos Diakos, Iosif Taleb, Omar Wever-Pinzon, Hadi Javan, Anna Catino, Elizabeth Dranow, Abdallah Kfoury, Rami Alharethi, Josef Stehlik, William Caine, Antigoni Koliopoulou, James Fang, Craig Selzman, Stavros Drakos, University of Utah, Salt Lake City, UT, USA

10:25 a.m.  
Question and Answer

10:30 a.m.  
Epidemiology of Shock in Contemporary Cardiac Intensive Care Units: Data From the Critical Care Cardiology Trials Network (CCCTN) Registry  
David Berg, Jason Katz, Erin Bohula, Sean Van Diepen, David Morrow, CCCTN Investigators, TIMI Study Group, Brigham and Women's Hospital, Boston, MA, USA

10:40 a.m.  
Question and Answer

10:45 a.m.  
A Safe and Standardized Protocol to Predict Successful Explantation of Left Ventricular Assist Devices  
Jan Knierim, Felix Schoenrath, Sajjad Soltani, Philipp Stawowy, Stephan Dreyse, Julia Stein, Marcus Müller, Johanna Mulzer, Michael Dandel, Christoph Knosalla, Volkmar Falk, Thomas Krabatsch, Evgenij Potapov, German Heart Center Berlin, Berlin, Germany, German Center for Cardiovascular Research, Berlin, Germany

10:55 a.m.  
Question and Answer

11:00 a.m.  
Turn-Down For Donor Age and Size Has Increased For Heart Transplant Candidates With Mechanical Circulatory Support  
Evan Kransdorf, Robert Cole, Jaime Moriguchi, Joshua Chung, Danny Ramzy, Jignesh Patel, Fardad Esmailian, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

11:10 a.m.  
Question and Answer

11:15 a.m.  
National Landscape of Hospitalizations in Patients With Left Ventricular Assist Device: Insights From the National Readmission Database 2010-2015  
Alejandro Lemor, Gabriel Hernandez, Waleed Al-Darzi, Youssef Nasr, Pedro Villablanca, Vanessa Blumer, Cristina Tita, Celeste T. Williams, Yelena Selektor, Jennifer Cowger, Henry Ford Hospital, Detroit, MI, USA

11:25 a.m.  
Question and Answer

11:30 a.m.  
Pediatric Donor Heart Allocation in the United States, 2006-2017: Current Patterns and Potential For Improvement  
Jaclyn Giagliafione, Adam Morrison, Charitha Gowda, Robert Gajarski, Deipanjan Nandi, Nationwide Children's Hospital, Columbus, OH, USA

11:40 a.m.  
Question and Answer



11:45 a.m.

Impact of Gastrointestinal Bleeding on In-Hospital Outcomes on Patients With Percutaneous Mechanical Circulatory Support Devices: A Nationwide Perspective

Mohit Pahuja, Shruti Mony, Adegbola Oluwole, Harsh Mehta, Omar Chehab, Sagar Ranka, Ishani Shah, Tushar Mishra, Hossam Abubakar, Tomo Ando, Ahmed Yassin, Aman Handa, Luis Alfonso, Detroit Medical Center/Wayne State University, Detroit, MI, USA

11:55 a.m.

Question and Answer

### Interventional Cardiology - Moderated Poster Contributions

#### Session #1004

**Characterizing Important Factors You've Chosen to Ignore in TAVR**  
Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.

**Interventional Cardiology Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Suzanne Baron

ACC Poster Moderator: Donald E. Cutlip

10:00 a.m.

Coronary Flow Influences Transcatheter Aortic Valve Leaflet Thrombosis Risk  
Immanuel David Madukauwa-David, Wahid Sadri, Prem Midha, Vasilis Babaliarios, Rahul Sharma, Raj Makkar, Ajit Yoganathan, Georgia Institute of Technology, Atlanta, GA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Antithrombotic Therapy and Cardiovascular Risk in Patients With Atrial Fibrillation at High Risk For Thromboembolic Events After Transcatheter Aortic Valve Replacement: From the PARTNER 2 Trial  
Ioanna Kosmidou, Mahesh Madhavan, Yangbo Liu, Maria Alu, Angelo Biviano, Tarun Chakravarty, Raj Makkar, Vinod Thourani, Susheel Kodali, Martin Leon, Cardiovascular Research Foundation, New York, NY, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Left Ventricular End Diastolic Pressures Are Associated With Six Month Mortality Rates Following Trans-Catheter Aortic Valve Replacement  
Yaron Arbel, Yishay Szekely, Amir Halkin, Shmuel Banai, Samuel Bazan, Ariel Finkelstein, Tel Aviv Medical Center, Tel Aviv, Israel

10:40 a.m.

Question and Answer

10:45 a.m.

Transcatheter Versus Surgical Aortic Valve Replacement in Elderly Patients: A Propensity Score Matched Analysis From the National Readmission Database 2011-2015

Alejandro Lemor, Pedro Villablanca, Gabriel Hernandez, Tiberio Frisoli, Dee Dee Wang, Marvin H. Eng, William W. O'Neill, Henry Ford Hospital, Detroit, MI, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Change in Functional Mitral Regurgitation Post TAVR in Patients With Reduced Ejection Fraction  
Mohammad Thawabi, Amer Hawatmeh, Sarah Studyvin, Alexis Okoh, Mark Russo, Chunguang Chen, Marc Cohen, Newark Beth Israel Medical Center, Newark, NJ, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Does Resting Cardiac Power Efficiency Affect Survival Post Transcatheter Aortic Valve Replacement?  
Pradyumna Agasthi, Reza Arsanjani, Floyd Fortuin, Panwen Wang, Justin Lee, Nithin R. Venepally, John Sweeney, Mackram Eleid, Peter Pollak, Farouk Mookadam, Mayo Clinic, Phoenix, AZ, USA

11:25 a.m.

Question and Answer

11:30 a.m.

Baseline Global Longitudinal Strain Is Associated With All-Cause Mortality in Patients Treated With Transcatheter Aortic Valve Replacement  
Miho Fukui, Michael S. Sharbaugh, Floyd Thoma, Ibrahim Sultan, Suresh Mulukutla, Hesham Elzomor, Joon Lee, John Schindler, Thomas Gleason, Joao L. Cavalcante, UPMC Heart & Vascular Institute, Pittsburgh, PA, USA

11:40 a.m.

Question and Answer

11:45 a.m.

TAVR Durability and Outcomes in Patients With Failed Surgical Bioprostheses: Three-Year Results From the CoreValve US Expanded Use Study  
Harold Dauerman, Jeffrey Popma, G. Michael Deeb, Daniel O'Hair, Ron Waksman, Steven Yakubov, Shuzhen Li, Michael Reardon, University of Vermont College of Medicine, Burlington, VT, USA

11:55 a.m.

Question and Answer

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

#### Session #1005

#### Advances in Echocardiography

**Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.**

**Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Francesco Fedele

ACC Poster Moderator: Ario S. Kuncoro

10:00 a.m.

Novel Echo Measures of Left Ventricular and Myocardial Stiffness  
Christopher Kane, Rosalyn Adigun, Vidhu Anand, Sorin Pislaru, Patricia Pellikka, Cristina Pislaru, Mayo Clinic, Rochester, MN, USA

10:10 a.m.

Question and Answer

10:15 a.m.

The Classification of Intracardiac Vortex Structure and Function Using the Patient Similarity Analysis  
Jung Sun Cho, Muhammad Ashraf, Sirish Shrestha, Muhammad Khalil, Grace Casacang-Verzosa, Yasir Abdulghaffar, Charles Smith, Partho Sengupta, West Virginia University Heart & Vascular Institute, Morgantown, WV, USA, Department of Cardiology, Daejeon St. Mary's Hospital, Seoul, South Korea



10:25 a.m.

Question and Answer

10:30 a.m.

Development of a Novel Deep Learning Model For Right Ventricular Quantification on Echocardiography: A Multimodality Validation Study  
Ashley Beecy, Alex Bratt, Lillian Brouwer, Javid Alakbarli, Ines Sherifi, Richard Devereux, Jonathan Weinsaft, Jiwon Kim, Weill Cornell Medical College, New York, NY, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Direct Planimetry of Left Ventricular Outflow Tract Area by Simultaneous Biplane Imaging: Challenging the Need For a Circular Assumption of Left Ventricular Outflow Tract Area in Calculating Aortic Valve Area  
Shiyang Liu, Lanqi Hua, Xin Zeng, Jessica Churchill, Tony Dong, Jacob Dal-Bianco, Jonathan Passeri, Robert Levine, Judy Hung, Massachusetts General Hospital, Boston, MA, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Reduced Left Atrial Reservoir Strain at Rest Predicts Elevated Left Ventricular Filling Pressure During Exercise  
Katsuji Inoue, Espen Remme, Øyvind Senstad Andersen, Einar Gude, Helge Skulstad, Otto Smiseth, Institute for Surgical Research, Oslo University Hospital, Rikshospitalet, Oslo, Norway, Department of Cardiology, Pulmonology, Hypertension & Nephrology, Ehime University, Toon, Japan

11:10 a.m.

Question and Answer

11:15 a.m.

Improving Arrhythmic Risk Stratification and Implantable Cardioverter Defibrillator Patient Selection: A Prospective Study Comparing Old and New Echocardiography Parameters  
Marco Previtero, Daniela Azzolina, Chiara Palermo, Rosaria M. Tenaglia, Giuseppe Sammarco, Niccolò Ruozi, Patrizia Aruta, Sabino Illiceto, Denis Muraru, Luigi Badano, University of Padua, Padua, Italy

11:25 a.m.

Question and Answer

11:30 a.m.

A Semi-Supervised Machine Learning Pipeline For Cardiac Risk Stratification Using Echocardiographic Variables  
Marco Piccirilli, Marton Tokodi, Lan Hu, Muhammad Ashraf, Grace Casalang-Verzosa, Partho Sengupta, West Virginia University, Morgantown, WV, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Improved Detection of Left Atrial Appendage Thrombus Utilizing Microbubble Contrast  
Alexander Ross, Anna Catino, Promporn Suksaranjit, Majd Ibrahim, Brent Wilson, University of Utah Health, Salt Lake City, UT, USA

11:55 a.m.

Question and Answer

### Prevention - Moderated Poster Contributions

#### Session #1006

#### Cardiovascular Disease Prevention: Recent Insights From Epidemiologic Studies

Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.

Prevention Moderated Poster Theater, Poster Hall, Hall F  
CME Hours: /CNE Hours:

ACC Poster Moderator: Shuaib Abdullah

ACC Poster Moderator: Elizabeth A. Jackson

10:00 a.m.

Impact of Body Weight at Age 20 and Weight Gain During Adulthood on Midlife Coronary Artery Calcium in 15,000 Men and Women: An Interim Analysis of the Swedish Cardiopulmonary Bioimage Study  
Emil Hagstrom, Göran Bergström, Annika Rosengren, Elin B. Brodin, John Brandberg, Kerstin Cederlund, Gunnar Engström, Jan Engvall, Maria J. Eriksson, Isabel Gonçalves, Stefan James, Tomas Jernberg, Mikael Lilja, Martin Magnusson, Anders Persson, Margaretha Persson, Anette Sandström, Caroline Schmidt, Linn Skoglund Larsson, Johan Sundstrom, Eva Swahn, Stefan Söderberg, Kjell Torén, Carl Johan Östgren, Lars Lind, University of Gothenburg, Gothenburg, Sweden

10:10 a.m.

Question and Answer

10:15 a.m.

The Impact of Hyperlipidemia on Cardiovascular Risk in Older Adults Age ≥ 75: Results From the NHLBI Pooled Cohorts  
Michael Nanna, Ann Navar, Daniel Wojdyla, Eric Peterson, Duke Clinical Research Institute, Durham, NC, USA, Duke University School of Medicine, Durham, NC, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Lipid Levels Are Associated With Early Subclinical Atherosclerosis: The Lifestyle of Our Kids Longitudinal Cohort Study  
Walter Abhavaratna, Ashleigh Spittle, Wichat Srikusalanukul, Rohan Telford, Richard Telford, The Australian National University, Canberra, Australia, Canberra Hospital, Canberra, Australia

10:40 a.m.

Question and Answer

10:45 a.m.

Isolated Diastolic Hypertension in the Atherosclerosis Risk in Communities (ARIC) Study: Changing Definitions and Implications For Cardiovascular Health  
John W. McEvoy, Natalie Daya, Faisal Rahman, Ron Hoogeveen, Roger Blumenthal, Amil Shah, Christie Ballantyne, Josef Coresh, Elizabeth Selvin, Johns Hopkins University SOM, Baltimore, MD, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Trends in Dietary Sodium Consumption in the United States From 1999-2016: The National Health and Nutrition Examination Surveys  
Adam Michael Brouillard, Aldi Kraja, Michael Rich, Washington University in Saint Louis, Saint Louis, MO, USA

11:10 a.m.

Question and Answer



11:15 a.m.

Cardiorespiratory Fitness and Incident Stroke Types: The FIT (Henry Ford Exercise Testing) Project

Mahmoud Sobhi Al Rifai, Amjad Ahmed, Michael Blaha, Fatimah Almasoudi, Sherif Sakr, Waqas Qureshi, Clinton Brawner, Jonathan Ehrman, Steven Keteyian, Mouaz Al-Mallah, Henry Ford Hospital, Detroit, MI, USA, Johns Hopkins Ciccarone Center for the Prevention of Heart Disease, Baltimore, MD, USA

11:25 a.m.

Question and Answer

11:30 a.m.

Ambient Air Pollution Associates With Arterial Inflammation: Possible Mediation of Cardiovascular Disease Risk

Shady Abohashem, Michael T. Osborne, Azar Radfar, Tomas Patrich, Nicki Naddaf, Brian Tung, Blake Oberfeld, James Jaffer, Parastou Ghazi, Tawseef Dar, Laura O'Halloran, Ahmed Tawakol, Massachusetts General Hospital-HMS, Boston, MA, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Ideal Cardiovascular Health Among Us Adults After The Great Recession Of 2008-2009: Insight From The NHANES

Nirav Patel, Rajat Kalra, Rajkumar Doshi, Garima Arora, Pankaj Arora, University of Alabama at Birmingham, Birmingham, AL, USA

11:55 a.m.

Question and Answer

### Special - Moderated Poster Contributions

#### Session #1008

**Interventional, Electrifying & Fixing the Achy Breaky Heart - All at FIT Clinical Decision Making Moderated Posters!**

**Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.**

**Spotlight on Special Categories Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Anthony A. Hilliard

ACC Poster Moderator: Selim R. Krim

10:00 a.m.

ACC Poster Moderator: Dhanunjaya R. Lakkireddy

10:00 a.m.

Why Steal From One When You Can Steal From Two: A Unique Case of Classic Subclavian Steal Syndrome With Concomitant Coronary Subclavian Steal Syndrome in the Post Coronary Bypass Patient

Austin Brokamp, Frank Russo, Keesler Medical Center, Biloxi, MS, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Hybrid Surgical and Percutaneous Coronary Intervention of a Giant Coronary Artery Aneurysm

Patrick McNair, Austin Robinson, Michael Ragosta, Gorav Ailawadi, Michael Salerno, University of Virginia, Charlottesville, VA, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Mahaim Bypass Tract in Ebstein Anomaly: Undiagnosed Uncommon Arrhythmia Causing Heart Failure at Early Age

Uyanga Batnyam, Lorena Rasquin, Sumeet Mainigi, Albert Einstein Medical Center, Philadelphia, PA, USA

10:40 a.m.

Question and Answer

10:45 a.m.

A Unique Case of Postural Atrioventricular Block in the Supine Position

John Medamana, Matthew Gebre, Prateek Sharma, Navneet Sharma, Krishna Akella, Stony Brook University, Stony Brook, NY, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Iatrogenic Shunting Secondary to Transcatheter Therapies

Michael Sultan, Samir Sultan, Salem Al Rabadi, Rajeev Saggarr, Divya Ratan Verma, Banner University Medical Center, Phoenix, AZ, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Development of Double-Chambered Right Ventricle After Bilateral Lung Transplantation

Guilly Rebagay, Matthew Schoenfeld, Eitan Klein, Roxana Sulica, Dan Halpern, NYU Langone Health, New York, NY, USA

11:25 a.m.

Question and Answer

11:30 a.m.

An Alternative Cause For Hypoxia in Carcinoid Heart Disease

Arushi Singh, Marian Tentler, Al Benson, Patricia Vassallo, Ranya Sweis, Nausheen Akhter, Northwestern Medical Center, Chicago, IL, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Reversible Heart Failure After Aorta Dilation in Active Takayasu Arteritis

Luyun Fan, Huimin Zhang, Jun Cai, Fuwai Hospital, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, People's Republic of China

11:55 a.m.

Question and Answer

### Vascular Medicine - Moderated Poster Contributions

#### Session #1007

**Clots and Clogs: Treating Venous and Peripheral Arterial Disease in 2019**

**Saturday, March 16, 2019, 10:00 a.m. - 12:00 p.m.**

**Valvular Heart Disease and Vascular Medicine Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Teresa Carman

ACC Poster Moderator: Sanjum S. Sethi



10:00 a.m.

Patients With Diabetes and Peripheral Arterial Disease: Results From the EXSCEL Trial

Anish Badjatiya, Peter Merrill, John Buse, Shaun Goodman, Brian Katona, Nayyar Iqbal, Peter Ohman, Neha Pagidipati, Naveed Sattar, Rury Holman, Adrian Hernandez, Robert J. Mentz, Manesh Patel, Schuyler Jones, Duke Clinical Research Institute, Durham, NC, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Activated Platelets Induce Endothelial Activation in Patients With Psoriasis  
Michael Garshick, Michael Tawil, Sarah Azarchi, Tessa Barrett, Angela Lee, Judilyn Fuentes-Duculan, Edward Fisher, James Krueger, Jeffrey Berger, NYU Langone Health, New York, NY, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Pulmonary Embolism Hospitalizations and Use of Inferior Vena Caval Filters in Older Adults: National Study of Medicare Beneficiaries  
Behnood Bikdeli, Yun Wang, David Jimenez, Joseph Ross, Mayur Desai, Sahil Parikh, Manuel Monreal, Samuel Goldhaber, Harlan M. Krumholz, Columbia University Medical Center, New York City, NY, USA, Yale Center for Outcomes Research and Evaluation (CORE), New Haven, CT, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Venous Thromboembolism in Patients With Liver Cirrhosis: Findings From the RIETE Registry  
Behnood Bikdeli, David Jimenez, Guadalupe Garcia-Tsao, Raquel Barba, Carme Font, María del Carmen Díaz-Pedroche, Lucia Mazzolai, Derek Henry Wallace Little, Antonello Tufano, Deborah Siegal, Gregory Lip, Manuel Monreal, Columbia University Medical Center, New York, NY, USA, Center for Outcomes Research and Evaluation (CORE), Yale School of Medicine, New Haven, CT, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Patterns and Predictors of Referral For Invasive Management of Peripheral Arterial Disease in the United States: Insights From the PORTRAIT Registry  
Qurat-ul-Ain Jelani, Samit Shah, Tang Yuanyuan, John A. Spertus, Kim Smolderen, Herbert Aronow, Maria Paredes, Robert Attaran, Christopher Regan, Carlos Mena-Hurtado, Yale School of Medicine, New Haven, CT, USA, Saint Luke's Mid America Heart Institute at the University of Missouri, Kansas City, MO, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Racial and Gender Disparities in Peripheral Vascular Intervention Across US Census Divisions: An Analysis of the National Inpatient Sample 2012-2014  
Gursukhmandeep Sidhu, Mehul Bhalja, Ahmad Jabbar, Charisse Ward, Tulane University Heart & Vascular Institute, New Orleans, LA, USA

11:25 a.m.

Question and Answer

11:30 a.m.

Submassive Pulmonary Embolism: Are We Falsely Reassured by Normotension?

Kateria Porcaro, Jeremiah Haines, Stephen Morris, Demetrios Doukas, Erin Mancl, Dalila Masic, Estefania Oliveros, Vladimir Lakhter, Carlos Bechara, John J. Lopez, Verghese Mathew, Yevgeniy Brailovsky, Jawed Fareed, Amir Darki, Loyola University Medical Center, Maywood, IL, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Comparison of JNJ9375, a Thrombin Exosite 1-Directed Antibody, With Apixaban For Thromboprophylaxis After Elective Knee Replacement Surgery: TEXT-TKR Study

Jeffrey I. Weitz, Gary Raskob, Michael Rud Lassen, Annelise Segers, Charles Francis, Robin Roberts, Takeshi Fuji, Gary Peters, Renee Swaim, Maureen Johnson, Juliane Bernholz, Michael Lee, John Strony, McMaster University, Hamilton, Canada

11:55 a.m.

Question and Answer

### Non-Certified Industry Events - Learning Destinations Session #4001

#### Abbott Vascular

Saturday, March 16, 2019, 10:15 a.m. - 11:15 a.m.

Expo Hall 1967-Indust. Experts1

CME Hours: /CNE Hours:

10:15 a.m.

Abbott Vascular

### Non-Certified Industry Events - Learning Destinations Session #4009

#### Lower Together: LDL-C, Risk, Hassle, Cost

Saturday, March 16, 2019, 10:15 a.m. - 11:15 a.m.

Expo Hall 2467-Indust. Experts2

CME Hours: /CNE Hours:

10:15 a.m.

Lower Together: LDL-C, Risk, Hassle, Cost

### Special - Heart-to-Heart Stage

#### Session #6500

#### A Conversation With Dr. Roberto Canessa

Saturday, March 16, 2019, 10:15 a.m. - 10:45 a.m.

Heart to Heart Stage: Lounge & Learn

CME Hours: 0 /CNE Hours: 0

10:15 a.m.

A Conversation With Dr. Roberto Canessa  
Roberto Canessa  
Montevideo, Uruguay

10:15 a.m.

A Conversation With Dr. Roberto Canessa  
Andrew M. Kates  
Saint Louis, MO

### Non-Certified Industry Events - Learning Destinations Session #4202

#### Janssen Pharmaceuticals, Inc.

Saturday, March 16, 2019, 10:45 a.m. - 11:15 a.m.

Expo Hall 2519-Innovation Stage

CME Hours: /CNE Hours:

10:45 a.m.

Janssen Pharmaceuticals, Inc.





### Special - Hands-on Skills Learning

#### Session #1509

#### The Who, What and Why of CV Simulation: From Learning Outcomes to Return on Investment

Saturday, March 16, 2019, 11:00 a.m. - 12:00 p.m.

Personalized Skills Center: Lounge & Learn, Hall B

CME Hours: /CNE Hours:

Co-Chair: Daniel R. Schimmel

Co-Chair: Laura Davidson

Panelist: James C. Coons

Panelist: Michael T. Spooner

### Special - Heart-to-Heart Stage

#### Session #6501

#### How to Navigate ACC.19: An Inside Look at This Year's Program

Saturday, March 16, 2019, 11:45 a.m. - 12:15 p.m.

Heart to Heart Stage: Lounge & Learn

CME Hours: 0 /CNE Hours: 0

11:45 a.m.

How to Navigate ACC.19

Andrew M. Kates

Saint Louis, MO

11:45 a.m.

How to Navigate ACC.19

Pamela Bowe Morris

Mount Pleasant, SC

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #609

#### High Sensitivity Troponin - Ready for Prime Time?

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 217

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: L. Kristin Newby

Co-Chair: Allan S. Jaffe

Panelist: Robert Christenson

Panelist: Simon Mahler

Panelist: David A. Morrow

12:15 p.m.

High Sensitivity Troponin: Why Is it Important to Your Practice?

James A. de Lemos

Dallas, TX

12:30 p.m.

The Mechanics of a High Sensitivity Troponin Rollout: Pearls and Pitfalls

Jennifer Rymer

Durham, NC

12:45 p.m.

The European Experience With High Sensitivity Troponin

Hugo Katus

Heidelberg, Germany

1:00 p.m.

Interpreting High Sensitivity Troponin in the Medically Complex Patient

Allan S. Jaffe

Rochester, MN

1:16 p.m.

Panel Discussion With Questions and Answers

### Arrhythmias and Clinical EP - Scientific

#### Session #607

#### Preventing Sudden Cardiac Death in the Young

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 357

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Refaat Marwan

Co-Chair: Christina Miyake

12:15 p.m.

Asymptomatic WPW – Not Always Benign

Susan P. Etheridge

Salt Lake Cty, UT

12:25 p.m.

Question and Answer

12:30 p.m.

Abnormal ECG – When can I Ignore it?

Martin LaPage

Ann Arbor, MI

12:40 p.m.

Question and Answer

12:45 p.m.

Syncope – When is It Not Vasovagal?

Sudhir Vashist

Baltimore, MD

12:55 p.m.

Question and Answer

1:00 p.m.

Debate on Risk of SCD and Exercise - Competitive Sports Participation in Children With Inherited Arrhythmia Syndromes Is Safe

Rachel J. Lampert

Branford, CT

1:10 p.m.

Risk of SCD and Exercise - Competitive Sports Participation in Children With Inherited Arrhythmia Syndromes Has Not Been Proven to be Safe

Sanjay Sharma

London, United Kingdom

1:20 p.m.

Sudden Death History in the Family – Don't Forget the Genes

Anna Kamp

Columbus, OH

1:30 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #608

#### Contemporary Treatment of Atrial Fibrillation in 2019 --

#### Thromboembolic Risk Reduction, Ablation and Prevention: Joint Symposium of the Heart Rhythm Society and the American College of Cardiology

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 355

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Christine M. Albert

Co-Chair: Fred M. Kusumoto



12:15 p.m.  
Catheter Ablation as First Line Therapy for Atrial Fibrillation: Is it Ready for Prime Time?  
Douglas L. Packer  
Rochester, MN

12:30 p.m.  
Is it Safe to Discontinue Anticoagulation After Successful Ablation of Atrial Fibrillation?  
John D. Day  
Park City, UT

12:45 p.m.  
When Should AF Patients With CHA2DS2-VASc <2 be Anticoagulated?  
Andrea M. Russo  
Moorestown, NJ

1:00 p.m.  
Which Patients Should Undergo Left Atrial Appendage Occlusion in 2019?  
C. Michael Valentine  
Lynchburg, VA

1:15 p.m.  
How to Prevent Atrial Fibrillation: Risk Factor Modification  
Richard J. Kovacs  
Indianapolis, IN

1:30 p.m.  
Question and Answer

**Arrhythmias and Clinical EP - Core Curriculum**  
**Session #801**  
**Core Curriculum: Advances in EP Devices and Procedures**  
**Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.**  
**Room 343**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Chair: Jonathan Chong Hsu

12:15 p.m.  
Mobile Health and Arrhythmia Assessment  
Mintu Turakhia  
Palo Alto, CA

12:35 p.m.  
LAA Closure: Identifying the Ideal Candidate  
Kevin L. Thomas  
Durham, NC

12:55 p.m.  
Subcutaneous ICD & Leadless Pacemakers: What Do I Need to Know as a General Cardiologist  
Kristen K. Patton  
Seattle, WA

1:15 p.m.  
Panel Discussion Moderator  
Jonathan Chong Hsu  
San Diego, CA

1:15 p.m.  
Panel Discussion with Question and Answer

**Congenital Heart Disease - Scientific**  
**Session #610**  
**Fetal Cardiology: Today's Challenging Cases and Tomorrow's Promising Therapies**  
**Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.**  
**Room 338**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Miwa Geiger  
Co-Chair: Anita Moon-Grady  
Panelist: Tiffanie McCourt - Nurse Practitioner  
Panelist: Aimee K. Armstrong - Interventional  
Panelist: Marjorie C. Treadwell - MFM  
Panelist: Wayne Tworetzky - Fetal Cardiology

12:15 p.m.  
Prenatal Genetic Diagnosis: a Map of the Brave new World  
Stephanie Ware  
Indianapolis, IN

12:27 p.m.  
Audience Question and Answer

12:31 p.m.  
Maternal Hyperoxygenation in Congenital Heart Disease: Benefits and Risks  
Shaine Morris  
Houston, TX

12:43 p.m.  
Audience Question and Answer

12:47 p.m.  
Tissue Engineered Valves for the Fetus: Ready to Deliver?  
Aimee K. Armstrong  
Columbus, OH

12:57 p.m.  
Audience Question and Answer

1:01 p.m.  
Case Presenter: Evolving Hypoplastic Left Heart Syndrome With Mitral Regurgitation  
Tiffanie McCourt  
Cleveland, OH

1:06 p.m.  
Panel Discussion With Audience Question and Answer

1:23 p.m.  
Case Presenter: Severe Ebstein's Disease  
Jennifer Cohen  
New York, NY

1:28 p.m.  
Panel Discussion With Audience Question and Answer

**Heart Failure and Cardiomyopathies - Scientific**  
**Session #611**  
**Hypertrophic Cardiomyopathy: More Than Just Myofibrillar Disarray**  
**Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.**  
**Room La Nouvelle B**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Sharlene M. Day  
Co-Chair: Jeffrey Geske



12:15 p.m.

HCM and its Many Variations: When to Suspect and How to Diagnose?

Martin S. Maron

Boston, MA

12:30 p.m.

Genetic Testing in HCM: Where are We Now and Where to Do We Need to Go?

Anjali Tiku Owens

Philadelphia, PA

12:45 p.m.

My Patient is Diagnosed With HCM: Best Practices for My Patient and Their Family

Barry J. Maron

Swampscott, MA

1:00 p.m.

The Future of HCM: new Diagnostic Tools and New Therapies

Carolyn Ho

Boston, MA

1:15 p.m.

Case Presentation: A Typical Day in HCM Clinic

Nosheen Reza

Philadelphia, PA

1:18 p.m.

Panel Discussion With Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session #612

#### The RV: How to Make it "Right"

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 257

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Hussam Al Faleh

Co-Chair: Stuart D. Russell

12:15 p.m.

ACC Talk: The Right Ventricle: How Can We Better Phenotype Dysfunction?

Paul Forfia

Philadelphia, PA

12:25 p.m.

Biomarkers in Pulmonary Hypertension and RV Dysfunction: State of the Art

Nadine Al-Naamani

Philadelphia, PA

12:35 p.m.

Acute Mechanical Support for RV Dysfunction: How to Know When?

Edward Grandin

Newton Center, MA

12:45 p.m.

Treatment Strategies for the Right Heart in Pulmonary Hypertension: Which Therapies, in Whom and When?

Ajith Nair

Houston, TX

12:55 p.m.

Histaminic Signaling: A Novel Target in Right Heart Dysfunction

Peter Leary

Seattle, WA

1:05 p.m.

The Right Ventricle: How Can We Advance the Field?

Francois Haddad

Palo Alto, CA

1:15 p.m.

Challenging Cases in My Everyday Practice

Anjali Vaidya

Philadelphia, PA

1:20 p.m.

Panel Discussion

### Heart Failure and Cardiomyopathies - Scientific Session #613

#### Cardiogenic Shock: State of the Art Management Strategies

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 254

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Michelle Esposito

Co-Chair: Mary Keebler

12:15 p.m.

Time is Muscle: The Urgency of Circulatory Support in Shock

Demetris Yannopoulos

Minneapolis, MN

12:27 p.m.

Which Devices When? What are the Options and Evidence?

Paul J. Mather

Philadelphia, PA

12:39 p.m.

ECMO: When and How to Wean?

Jesus Eduardo Rame

Philadelphia, PA

12:51 p.m.

Pharmacologic Management of Shock

Bruno Levy

Nancy, France

1:03 p.m.

Support for Shock: What Does the Future Hold?

Aly El Banayosy

Oklahoma City, OK

1:15 p.m.

Case Presentation

Jessica Fleitman

Philadelphia, PA

1:20 p.m.

Case Presentation

Carolina Dimsdale

Durham, NC

1:25 p.m.

Panel Discussion



### Interventional Cardiology - Live Cases

#### Session #200

#### Interventional Live Case Session I: Coronary Transmission from Beth Israel Deaconess Medical Center

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

ACC.19 Main Tent (Great Hall)

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: J. Dawn Abbott

Co-Chair and Digital Moderator: Ajay J. Kirtane

Panelist: Robert J. Applegate

Panelist: William L. Lombardi

Panelist: Matthew J. Price

Panelist: Ashish Pershad

Panelist: Binita Shah

### Interventional Cardiology - Scientific

#### Session #615

#### The Expanding Frontiers of Endovascular Therapy: Updates From the Experts

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 211

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Sonya Noor

Co-Chair: Sahil A. Parikh

Panelist: Jacqueline R. Gannuscio

Panelist: Jon C. George

Panelist: Samir Kaushik Shah

Panelist: Prakash Krishnan

12:22 p.m.

Panel Discussion With Audience Question and Answer

12:27 p.m.

Treating DVT in the Post-ATTRACT Era: May-Thurner, IVC Filter Occlusion, Phlegmasia, and Severe Symptomatic Proximal DVT

Allen D. Hamdan

Boston, MA

12:35 p.m.

Panel Discussion With Audience Question and Answer

12:40 p.m.

Consult for Submassive PE: What Should I Know, Who and How Do We Treat?

Kenneth Rosenfield

Boston, MA

12:48 p.m.

Panel Discussion With Audience Question and Answer

12:53 p.m.

The Cold Leg: What are the Best Treatments?

Peter A. Soukas

Providence, RI

1:01 p.m.

Panel Discussion With Audience Question and Answer

1:06 p.m.

Contemporary Treatment of CLI: Primary Access, New Devices and Better Outcomes

Jihad A. Mustapha

Grandville, MI

1:14 p.m.

Panel Discussion With Audience Question and Answer

1:19 p.m.

Case-Based Steps to Treat Aortic and/or Iliac CTO's

J. Michael Bacharach

Sioux Falls, SD

1:27 p.m.

Panel Discussion With Audience Question and Answer

1:32 p.m.

Aorto-Iliac Stenting and Reconstruction: Should we be Doing This? Strategies to Perform Safely

Sahil A. Parikh

New York, NY

1:40 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #616

#### Future of Aortic Valve Surgery in Low-risk Patients: Dilemmas in the Era of Catheter-Based Valve Therapy

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 208

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jeffrey J. Popma

Co-Chair: Basel Ramlawi

Panelist: Anson Cheung

Panelist: Nicholas N. Hanna

Panelist: Andres M. Pineda Maldonado

Panelist: Daniel Watson

12:15 p.m.

Isolated Aortic Stenosis With Very Small Annulus: TAVR Vs Root Enlargement

Marc Pelletier

Boston, MA

12:23 p.m.

Panel Discussion With Audience Question and Answer

12:30 p.m.

Small AV Bioprosthesis Failure: Redo SAVR vs VIV TAVR "Fracking"

Keith B. Allen

Kansas City, MO

12:38 p.m.

Panel Discussion With Audience Question and Answer

12:45 p.m.

Best Hemodynamics: TAVR vs MICS Suture-Less AVR

David A. Heimansohn

Indianapolis, IN

12:53 p.m.

Panel Discussion With Audience Question and Answer

1:00 p.m.

Aortic Insufficiency: AV Repair vs SAVR vs TAVR

Gebrine El Khoury

Brussels, Belgium

1:08 p.m.

Panel Discussion With Audience Question and Answer

1:15 p.m.

Valve Durability in Young Patients: TAVR vs MICS Mechanical SAVR

Michael Borger

Leipzig, Germany



1:23 p.m.

Panel Discussion With Audience Question and Answer

1:30 p.m.

How to Explain SAVR vs TAVR to the Low Risk Patient

Margaret A. Morley  
Newport Beach, CA

1:38 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #617

#### STEMI Hot Debates: Trials and Tribulations!

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 206

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Anbukarasi Maran

Co-Chair: Anuradha Tunuguntla

Panelist: Lana Gavin

Panelist: William Schuyler Jones

Panelist: Habib Samady

Panelist: Marco Valgimigli

Panelist: Marie C. Morice

12:15 p.m.

Part I: Despite the Guidelines, Should We Do Routine Aspiration Thrombectomy for STEMI

12:15 p.m.

Case Presentation: Routine Aspiration Thrombectomy

Tanush Gupta  
Bronx, NY

12:25 p.m.

PRO: Routine Aspiration Thrombectomy Should be Performed if Visible Thrombus is Present

Davide Capodanno  
Catania, Italy

12:35 p.m.

CON: Routine Aspiration Thrombectomy Should NOT be Performed If Visible Thrombus Is Present

Sanjit S. Jolly  
West Hamilton, Canada

12:45 p.m.

Panel Discussion With Audience Question and Answer

1:00 p.m.

Part II: Role of MV-PCI in STEMI (Non-Shock)

1:00 p.m.

Case Presentation: MV-PCI in STEMI

Nabil Farag  
Washington Dc, WV

1:10 p.m.

PRO: Culprit Lesion Should Only be Addressed During Index Admission

Rajiv Gulati  
Rochester, MN

1:20 p.m.

CON: Multi-Vessel PCI Should Be Performed During Index Admission

Anthony Gershlick  
Leicester, United Kingdom

1:30 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #618

#### Endovascular Interventions from Head to Toe, Basic to Complex

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 203

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: David C. Metzger

Co-Chair: Jose M. Wiley

Panelist: George Adams

Panelist: Tyrone J. Collins

Panelist: Sasanka N. Jayasuriya

12:15 p.m.

Iliac Interventions: When and How

Sasanka N. Jayasuriya  
Greenwich, CT

12:22 p.m.

Panel Discussion With Audience Question and Answer

12:27 p.m.

Femoropopliteal Stenting: Options, Techniques, and Results

Peter A. Soukas  
Providence, RI

12:34 p.m.

Panel Discussion With Audience Question and Answer

12:39 p.m.

Alternative Femeropopliteal Treatment Options: Atherectomy, DCBs, and More

Nelson L. Bernardo  
Washington, DC

12:46 p.m.

Panel Discussion With Audience Question and Answer

12:51 p.m.

Endovascular Treatment Options and Techniques for CLI Patients With BTK Disease

Arthur C. Lee  
Gainesville, FL

12:58 p.m.

Panel Discussion With Audience Question and Answer

1:03 p.m.

Renal and Mesenteric Interventions: Tips and Tricks

David C. Metzger  
Kingsport, TN

1:10 p.m.

Panel Discussion With Audience Question and Answer

1:15 p.m.

Subclavian Interventions: Tips to Optimize Success and Long Term Outcomes

Tyrone J. Collins  
New Orleans, LA

1:22 p.m.

Panel Discussion With Audience Question and Answer



1:27 p.m.

Carotid Artery Stenting 2019: Patient Selection, and Proximal Protection, Distal Protection, or TCAR?

Mark C. Wyers  
Boston, MA

12:35 p.m.

Panel Discussion With Audience Question and Answer

### **Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific Session #614**

#### **Clinical Use of CMR Across the Spectrum of Structural Heart Disease**

**Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.**

**Room 244**

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

Co-Chair: Chiara Bucciarelli-Ducci

Co-Chair: Toby Rogers

12:15 p.m.

Mind the Gap: What I Am Missing From Imaging in My Aortic Stenosis Patients - What CMR Can Provide?

Michael J. Reardon  
Houston, TX

12:30 p.m.

CMR Pre and Post TAVR: Procedural Planning

Milind Y. Desai  
Cleveland, OH

12:45 p.m.

CMR for the Evaluation of Patients With Mitral Regurgitation

Andrew E. Arai  
Bethesda, MD

1:00 p.m.

Risk Assessment of Hypertrophic Cardiomyopathy With CMR

Christopher M. Kramer  
Charlottesville, VA

1:15 p.m.

CMR in Planning Congenital Procedures

Anne Marie Valente  
Boston, MA

1:30 p.m.

Panel Discussion & QA

### **Prevention - Scientific**

#### **Session #619**

#### **Hypertension Management Hypercharged: The Devil is in the Details**

**Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.**

**Room 228**

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

Co-Chair: Vera Bittner

Co-Chair: Paul Whelton

12:15 p.m.

Good Decisions Start With Good Data! Measuring BP Right.

Jose R. Banegas  
Madrid, Spain

12:25 p.m.

Risk-Based Hypertension Management: It's all About Context!

Dave Dixon  
Richmond, VA

12:35 p.m.

Panel Discussion for the FIT case

12:45 p.m.

Treatment Adherence: This is how we do it!

Elijah Nyainda Ogola  
Nairobi, Kenya

12:55 p.m.

Putting It all Together

Jing Liu  
Houston, TX

1:00 p.m.

Renal Denervation Therapy. Alive but Unwell

C. Venkata S. Ram  
Irving, TX

1:10 p.m.

Hypertension Management in Resource Constrained Settings

Abdullah A. S. Majumder  
Dhaka, Bangladesh

1:20 p.m.

ARS, Question and Answer, Panel Discussion

### **Special - Intensive**

#### **Session #50**

#### **Clinician Wellness Intensive I Featuring the 50th Annual Louis F.**

#### **Bishop Keynote**

**Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.**

**Room 225**

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

Co-Chair: Dipti Itchhaporia

Co-Chair: James L. Januzzi

12:15 p.m.

Introduction to the Bishop Keynote

Dipti Itchhaporia  
Newport Beach, CA

12:20 p.m.

50th Annual Louis F. Bishop Keynote:

Tait Shanafelt  
San Jose, CA

12:50 p.m.

Video Presentations: Crash and Burn - My Personal Story

Moderator: James L. Januzzi

Panelist: Tamara M. Atkinson

Panelist: Claire S. Duvernoy

Panelist: Emily Lau

1:10 p.m.

Panel Discussion with Audience Q&A: Efforts to Improve Stress in my Workplace

Moderator: Dipti Itchhaporia

Panelist: Joseph G. Cacchione

Panelist: Tait Shanafelt

Panelist: Larry L. Wood



### Special - Late-Breaking Clinical Trials

#### Session #402

#### Featured Clinical Research I

Saturday, March 16, 2019, 12:15 p.m. - 1:30 p.m.

Room La Nouvelle C

CME Hours: 1.25 /CNE Hours: 1.25

Chair: Robert A. Harrington  
Co-Chair: Mary Norine Walsh  
Panelist: Biykem Bozkurt  
Panelist: Joseph A. Hill  
Panelist: Frederick A. Masoudi  
Panelist: Ryan James Tedford

12:15 p.m.  
Safety and Efficacy of Neladenoson Bialanate, a Partial Adenosine A1 Receptor Agonist, in Patients with Heart Failure and Preserved Ejection Fraction: Results from the PANACHE Randomized Controlled Trial  
Sanjiv Javendra Shah, Adriaan Voors, John McMurray, Dalane Kitzman, Thomas Viethen, Antonieta Bomfim Wirtz, Akos Ferenc Pap, Scott Solomon, Northwestern University, Chicago, IL, USA, Bayer AG, Wuppertal, Germany

12:25 p.m.  
Panel Discussion

12:30 p.m.  
Initiation of Angiotensin-Nepriylsin Inhibition after Acute Decompensated Heart Failure: Results of the Open-Label Extension of the PIONEER-HF Trial  
Adam DeVore, Eugene Braunwald, David Morrow, Carol I. Duffy, Andrew Ambrosy, Kevin McCague, Ricardo Rocha, Eric Velazquez, Duke Clinical Research Institute, Durham, NC, USA

12:40 p.m.  
Panel Discussion

12:45 p.m.  
Blended Collaborative Care for Treating Heart Failure and Comorbid Depression: 12-Month Primary Outcomes from the Hopeful Heart Trial  
Bruce Rollman, Amy Anderson, Kaleab Abebe, Kwonho Jeong, Bea Herbeck Belnap, Jordan F. Karp, Ravi Ramani, Matthew Muldoon, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

12:55 p.m.  
Panel Discussion

1:00 p.m.  
Randomized Trial of Depression Screening After Acute Coronary Syndromes: Results from Comparison of Depression Identification After Acute Coronary Syndromes-Quality of Life and Cost Effectiveness (CODIACS-QoL)  
Ian Matthew Kronish, Nathalie Moise, Ken Cheung, Gregory N. Clarke, Rowena Dolor, Joan Duer-Hefele, Karen L. Margolis, Tara St. Onge, Faith Parsons, Jessica Retuerto, Anusorn Thanataveerat, Karina Davidson, Columbia University Medical Center, New York, NY, USA

1:10 p.m.  
Panel Discussion

1:15 p.m.  
Home Treatment of Patients with Low-Risk Pulmonary Embolism with the Oral Factor Xa Inhibitor Rivaroxaban: the HoT-PE Study  
Stavros V. Konstantinides, Irene Schmidtman, HoT-PE Investigators, Center for Thrombosis and Hemostasis, Johannes Gutenberg University, Mainz, Germany

1:25 p.m.  
Panel Discussion

### Special - Special

#### Session #620

#### Innovation Bootcamp: Training Fellows, Cardiology Educators, and Shaping Innovators

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 243

CME Hours: 0 /CNE Hours: 0

Co-Chair: Hussein Abu Daya  
Co-Chair: Julie Damp  
Panelist: Ada C. Stefanescu Schmidt  
Panelist: Andrew M. Freeman  
Panelist: Jeffrey T. Kuvin

12:15 p.m.  
ACC- Talk: Reshaping Education Experiences Through Advances in Technology  
Kathryn Berlacher  
Pittsburgh, PA

12:25 p.m.  
Panel Discussion With Audience Question and Answer

12:35 p.m.  
Here Come the Digital Natives: ACC FIT Council Upfront, Social and Personal  
Akhil Narang  
Chicago, IL

12:45 p.m.  
Panel Discussion With Audience Question and Answer

12:55 p.m.  
Tinker, Tailor, Fellow, Educator: FIT Leaders Innovate  
Srinath Adusumalli  
Philadelphia, PA

1:05 p.m.  
Panel Discussion With Audience Question and Answer

1:15 p.m.  
CHIEF: Cardiovascular Healthcare, Innovation, Entrepreneurship Framework  
Regina S. Druz  
Roslyn Heights, NY

1:25 p.m.  
Panel Discussion With Audience Question and Answer

### Special - Scientific

#### Session #747

#### Evaluating Disruptive Technology in a Value Based World

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 352

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Thomas Draper  
Co-Chair: Marvin A. Konstam

12:15 p.m.  
Emerging CV Technology 2019-2023. Where are We Heading?  
Bram D. Zuckerman  
Silver Spring, MD

12:27 p.m.  
Fee for Service vs. Fee for Value: Implications for Adopting New Technology  
Kelly Dougherty  
Boston, MA



12:39 p.m.

A Percutaneous Device for Cardiac Support During High-Risk PCI (or Shock)

Scott M. Lilly  
Columbus, OH

12:51 p.m.

Catheter-Based Approach to Treating Mitral Regurgitation

Matthew Wiisanen  
Chattanooga, TN

1:03 p.m.

Fractional Flow Reserve by Computerized Tomographic Angiography (FFR-CT) to Assess Coronary Artery Disease

Geoffrey A. Rose  
Charlotte, NC

1:15 p.m.

An Implantable Pulmonary Artery Sensor, Which Telemeters Pressures to Aid in Ambulatory Heart Failure Monitoring and Management

Lynne Warner Stevenson  
Nashville, TN

1:27 p.m.

Panel Discussion With Question and Answer

### Special - Special

#### Session #6001

#### The 0's and 1s of Digital Health and the Heart: A Primer for the Clinical Cardiologist

Saturday, March 16, 2019, 12:15 p.m. - 1:15 p.m.

Engage@ACC.19

CME Hours: 1 /CNE Hours: 1

Co-Chair: David Cho

Co-Chair: Heba S. Wassif

Panelist: Sanjeev Bhavnani

Panelist: Maulik Majmudar

Panelist: John M. Mandrola

Panelist: Issam D. Moussa

Panelist: John Rumsfeld

Panelist: Annabelle S. Volgman

12:15 p.m.

ACC-Talk: Digital Health in Cardiology, Are We There Yet?

John Rumsfeld  
Washington, DC

12:25 p.m.

ACC-Talk: It Takes Time to Build Castles: How Digital & Virtual Health Will Change the Patient & Physician Relationship

Sanjeev Bhavnani  
San Diego, CA

12:35 p.m.

ACC-Talk: It's Not Only What You Make, It's How You Deploy It

Maulik Majmudar  
Boston, MA

12:45 p.m.

ACC-Talk: Beyond the Hype: Reading Between the Lines of Digital Health Promises

John M. Mandrola  
Louisville, KY

12:55 p.m.

Panel Discussion with Audience Question and Answer

### Valvular Heart Disease - Scientific

#### Session #621

#### Aortic Insufficiency and Aortopathies

Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.

Room 220

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Alan C. Braverman

Co-Chair: Jennifer Ellis

Panelist: Gordon Huggins

Panelist: Shane LaRue

Panelist: Thomas Pilgrim

Panelist: Nishath Quader

Panelist: James D. Thomas

12:15 p.m.

Case Presentation: Athletic Patients With Marfan's Syndrome Found to Have AI in Routine Physical Exam

Dhaval Kolte  
Boston, MA

12:15 p.m.

Audience ARS Question

Dhaval Kolte  
Boston, MA

12:20 p.m.

Exercise After Aortic Surgery

Alan C. Braverman  
St. Louis, MO

12:29 p.m.

Bicuspid Aortic Valve and Aortic Dilation: A Genetic Perspective

Gordon Huggins  
Boston, MA

12:38 p.m.

Characterizing Aortic Insufficiency and Timing for Surgical Interventions

Nishath Quader  
Saint Louis, MO

12:47 p.m.

Panel Discussion With Audience Question and Answer

12:56 p.m.

Case Presentation: PT With LVAD and Severe Aortic Insufficiency

Sangita Sudharshan  
Saint Louis, MO

1:01 p.m.

LVAD and Aortic Insufficiency: Is the Problem Real?

Shane LaRue  
Eureka, MO

1:11 p.m.

The Role of Transcatheter Valve Replacement for the Treatment of Aortic Insufficiency

Thomas Pilgrim  
Bern, Switzerland

1:21 p.m.

How to Assess Prosthetic Aortic Insufficiency

James D. Thomas  
Chicago, IL

1:29 p.m.

Panel Discussion With Audience Question and Answer





### Vascular Medicine - Scientific

#### Session #622

**Vasculo-Oncology 2019: An Emerging Field--Be a Part of It**  
**Saturday, March 16, 2019, 12:15 p.m. - 1:45 p.m.**

**Room 238**

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

Co-Chair: Ana Barac

Co-Chair: Joe Lau

12:15 p.m.

What Cancer and Cancer Therapeutics Can do to Your Blood Vessels: Biologic Mechanisms and Role for Precision Medicine

Javid Moslehi

Nashville, TN

12:26 p.m.

How to Start a Vasculo-Oncology Program: Multi-Disciplinary Team Approach

Ana Barac

Washington, DC

12:37 p.m.

Panel Discussion: Challenges in Optimizing Vasculo-Oncology Practice

Panelist: Javid Moslehi

Panelist: Vivek Narayan

Panelist: Eric H. Yang

12:49 p.m.

45 yo Man With Leg Pain (Acute Limb Ischemia)

Salim Hayek

Ann Arbor, MI

12:52 p.m.

Audience ARS Question

Joe Lau

Manhasset, NY

12:53 p.m.

51 yo Woman With Chest Pain (Myocarditis)

Alec Schmaier

Boston, MA

12:56 p.m.

Audience ARS Question

Joe Lau

Manhasset, NY

12:57 p.m.

Panel Discussion: Challenging Cases in Vasculo-Oncology Panel #1

12:57 p.m.

Panelist: Javid Moslehi

Panelist: Vivek Narayan

Panelist: Eric Y. Yang

1:12 p.m.

57 yo Woman With Massive PE

Daniella Kadian-Dodov

New York, NY

1:15 p.m.

Audience ARS Question

Joe Lau

Manhasset, NY

12:16 p.m.

48 yo Man With Stroke and Abdominal Pain (Malignant Thrombosis)

Stanislav Henkin

Lebanon, NH

1:19 p.m.6510

Audience ARS Question

Joe Lau

Manhasset, NY

1:20 p.m.

Panel Discussion: Challenging Cases in Vasculo-Oncology Panel #2

Panelist: Teresa Carman

Panelist: John Fanikos

Panelist: Marie D. Gerhard-Herman

Panelist: Challenging Cases - Michael Streiff

1:35 p.m.

Vascular Complications in Oncology Trials: How Should We Interpret the Data?

Marc P. Bonaca

Aurora, CO

Panelist: Challenging Cases - Panel #2

### Michael Streiff

#### Non-Certified Industry Events - Learning Destinations Session #4203

**Janssen Pharmaceuticals, Inc.**

**Saturday, March 16, 2019, 12:30 p.m. - 1:00 p.m.**

**Expo Hall 2519-Innovation Stage**

**CME Hours: /CNE Hours:**

12:30 p.m.

Janssen Pharmaceuticals, Inc.

### Special - Self-Assessment

#### Session #802

**Test Your Knowledge: Ischemic Heart Disease / Vascular / Prevention**

**Saturday, March 16, 2019, 12:30 p.m. - 3:00 p.m.**

**Room R03**

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

Chair: Glenn A. Hirsch

Test Your Knowledge Faculty: Michael W. Cullen

Test Your Knowledge Faculty: Sanjeev A. Francis

Test Your Knowledge Faculty: Laxmi S. Mehta

### Non-Certified Industry Events - Learning Destinations

#### Session #4002

**Novartis Pharmaceuticals Corporation**

**Saturday, March 16, 2019, 12:45 p.m. - 1:45 p.m.**

**Expo Hall 1967-Indust. Experts1**

**CME Hours: /CNE Hours:**

12:45 p.m.

Novartis Pharmaceutical Corporation

### Non-Certified Industry Events - Learning Destinations

#### Session #4010

**Get the Diagnosis Right: Identifying Amyloidosis in Your Patients**

**Saturday, March 16, 2019, 12:45 p.m. - 1:45 p.m.**

**Expo Hall 2467-Indust. Experts2**

**CME Hours: /CNE Hours:**

12:45 p.m.

Get the Diagnosis Right: Identifying Amyloidosis in Your Patients



### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1176

#### Acute and Stable Ischemic Heart Disease: Therapy 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

359 - Treatment With Biologic Therapy in Psoriasis Is Associated With a Reduction in Coronary Artery Inflammation, Assessed by Perivascular Fat Attenuation Index

Youssef Elnabawi, Evangelos Oikonomou, Amit Dey, Jennifer Mancio, Justin Rodante, Joel Gelfand, Marcus Chen, David Bluemke, Cheerag Shirodaria, Charalambos Antoniades, Nehal Mehta, NHLBI, Bethesda, MD, USA

360 - The Effectiveness of Guideline-Based Stress Testing in the Evaluation of Stable Chest Pain in a Community Population

Damita J. Carryer, John Askew, David Hodge, Todd Miller, Veronique Roger, Raymond Gibbons, Mayo Clinic, Rochester, MN, USA

361 - Patterns of Statin Adherence Over Long Term Follow Up in an Insured Secondary Prevention Population With Atherosclerotic Cardiovascular Disease

Shannon Armstrong, Heidi May, Jeffrey Anderson, Kirk Knowlton, Donald Lappe, Tami Bair, J. Muhlestein, Intermountain Healthcare, Murray, UT, USA, The Medicines Company, Parsippany, NJ, USA

363 - The High Prevalence of Familial Hypercholesterolemia in a Population of Ascvd Patients With Ldl-c Above Target: An Analysis From the React Registry

Milan Gupta, Magdaline Zawadka, Sumaia Aljenedil, Mahesh Kajil, David Bewick, Daniel Gaudet, Robert Hegele, Eva Lonn, Daniel Ngui, Latifah Alothman, Isabelle Ruel, Narendra Singh, Jacques Genest, Canadian Collaborative Research Network, Brampton, Canada

364 - Regional Variation in Intensity of Statin Prescription

Manju Bengaluru Jayanna, Saket Girotra, Mary Vaughan Sarrazin, Alexandros Briasoulis, Hilary Mosher, Nagalakshmi Nagarajan, Jennifer Robinson, Iowa City VA Medical Center, Center for Comprehensive Access & Delivery Research and Evaluation, Iowa City, IA, USA, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

365 - Routine Versus Smart Phone Application Based - Intense Follow-Up of Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention: Impact on Clinical Outcomes and Patient Satisfaction

Satyavir Yadav, Rishi Sethi, Akshyaya Pradhan, Pravesh Vishwakarma, Sharad Chandra, Gaurav Chaudhary, Sudhanshu Dwivedi, Varun Narain, Monika Bhandari, Akhil Sharma, King George's Medical University, Lucknow, India

366 - Interventional Cardiologist Point of Care Treatment Decision Versus Virtual Heart Team Retrospective Evaluation of Multivessel Coronary Artery Disease: Differences of Opinion

Michael Tsang, Jon-David Schwalm, Matthew Sibbald, Matthew Mercuri, Sumeet Gandhi, Nandini Gupta, Andre Lamy, Adel Dyub, Bobby Yanagawa, Amiram Gafni, Daniel Pericak, Adnan Hameed, Ryan McGreal, Amin Mulji, Kostas Ioannou, Madhu Natarajan, McMaster, Hamilton, Canada

367 - The Impact of Percutaneous Coronary Intervention Appropriateness on Patient Reported Outcome Measures of Symptomatic Improvement

Jesse Yang, Margaret Stevenson, Linda Valsdottir, Kalon Ho, Robert Yeh, Jordan Strom, Beth Israel Deaconess Medical Center, Boston, MA, USA

368 - One-Year, P2Y12 Adherence After Drug Eluting Stent Placement Among Medicare Beneficiaries and the Impact of "First P2Y12" Choice

Lauren Gray Gilstrap, Micah Aaron, Robert Wild, Nancy Beaulieu, Michael Cherner, Mary Beth Landrum, The Dartmouth Institute, Dartmouth Medical School, Hanover, NH, USA, Department of Health Care Policy, Harvard Medical School, Boston, MA, USA

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1177

#### Acute and Stable Ischemic Heart Disease: Clinical 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

369 - Implementation of a Comprehensive STEMI Protocol Improves Mortality Among Patients With ST-Elevation Myocardial Infarction and Cardiogenic Shock

Anirudh Kumar, Chetan Huded, Michael Johnson, Venu Menon, Stephen Ellis, Samir Kapadia, Umesh Khot, Cleveland Clinic Foundation, Cleveland, OH, USA

370 - Circulating Extracellular RNA, Myocardial Remodeling, and Heart Failure

Khanh-Van Tran, David McManus, Kahraman Tanriverdi, Gerard Aurigemma, Darleen Lessard, Selim Tanriverdi, Olga Vitseva, Bruce Barton, John Keaney, Catarina Kiefe, Jane Freedman, University of Massachusetts Medical School, Worcester, MA, USA

371 - In Patients With Atherosclerotic Cardiovascular Disease, High Statin Adherence Over 5 Years of Follow-Up Is Associated With Improved Cardiovascular Outcomes: Results From the IMPRES Study

Heidi Thomas May, Kirk Knowlton, Jeffrey Anderson, Donald Lappe, Tami Bair, J. Muhlestein, Intermountain Medical Center, Salt Lake City, UT, USA

372 - Value of Nt ProBnp in the Prediction of Cancer in Patients With Stable Coronary Artery Disease

Alvaro Aceña, Sergio Ramos-Cillan, Marta Lopez Castillo, Ana Maria Pello, Carmen Cristobal, Nieves Tarín, Ana Huelmos, Oscar Lorenzo, Juan Martinez Milla, Jesus Fuentes Antras, Carlos Gutierrez-Landaluce, Oscar González Lorenzo, Maria Martin Mariscal, Ignacio Hernandez Gonzalez, Jose Tuñon, IIS-Fundacion Jimenez Diaz, Madrid, Spain

373 - Prognostic Value of PCSK9 and Lp(a) in Stable Coronary Artery Disease

Alvaro Aceña, Cristina Álvarez de Toledo, Ana Maria Pello, Nieves Tarín, Carmen Cristobal, Ana Huelmos, Carlos Gutierrez Landaluze, Marta Lopez Castillo, Oscar Lorenzo, Maria Luisa Martin Mariscal, Juan Martinez Milla, Oscar Gonzalez Lorenzo, Ignacio Hernandez Gonzalez, Jose Tuñon Fernandez, IIS-Fundación Jimenez Diaz, Madrid, Spain

374 - Higher Lipoprotein (a) Level Is Associated With Higher Prevalence of Vulnerable Plaque Particularly in Patients With Higher LDL Cholesterol Level

Yusuke Muramatsu, Yoshiyasu Minami, Ayami Kato, Aritomo Katsura, Toshimitsu Sato, Ryota Kakizaki, Teruyoshi Nemoto, Takuya Hashimoto, Kazuhiro Fujiyoshi, Kentaro Meguro, Takao Shimohama, Taiki Tojo, Junya Ako, Kitasato University School of Medicine, Sagamihara, Japan

375 - Mortality Prediction For Older Adults With a.m.i.: The SILVER-AMI Study

John A. Dodson, Alexandra Hajduk, Mary Geda, Harlan M. Krumholz, Terrence Murphy, Sui Tsang, Mary Tinetti, Michael Nanna, Richard McNamara, Thomas Gill, Sarwat Chaudhry, New York University School of Medicine, New York, NY, USA, Yale School of Medicine, New Haven, CT, USA

376 - Incident Heart Failure After Acute Myocardial Infarction: An Analysis From the NCDR Registries Linked With All-Payer Claims Database

Eric Alexander Secemsky, Eileen Fonseca, Narinder Bhalla, Kamil Faridi, Amir Singh, Thomas W. Wilson, Robert Yeh, Smith Center for Outcomes Research in Cardiology, Beth Israel Deaconess Medical Center, Boston, MA, USA

377 - Fourth Versus Fifth Generation Troponin in the Prediction of In-Hospital Mortality

Levi May, Andrew Parks, Marc Paranzino, Andin Mullis, Nathan Kusterer, Steve Leung, Vincent Sorrell, Vedant Gupta, University of Kentucky, Lexington, KY, USA



### 378 - Acute Versus Chronic Myocardial Injury and Outcomes

Erik Kadesjo, Andreas Roos, Anwar J. Siddiqui, Liyew Desta, Magnus Lundback, Martin Holzmann, Karolinska University Hospital, Stockholm, Sweden

### 379 - No Evidence of Rural Care Disparities For ST-Elevation Myocardial Infarction When Measured by In-Hospital Mortality

Morgan Kellogg, Abigail R. Benkert, Yi-Ling Huang, Bina Ahmed, Todd MacKenzie, Matthew Watkins, Patrick Magnus, James Flynn, Peter VerLee, Lee Lucas, Sanjeev Francis, David Malenka, Northern New England CV Disease Study Group, Dartmouth Hitchcock Medical Center, Hanover, NH, USA, Maine Medical Center, Portland, ME, USA

### 380 - 5<sup>th</sup>-Generation High Sensitivity Troponin Assay, Incidence of Acute Coronary Syndrome, and Short-Term Mortality: Insight From a United States Emergency Population

Deep Shah, Shray Jain, Galen Hayek, Nathan Nahhas, Caroline Lerner, Susan Fuhrman, Anand Gupta, Tamara McMath, Karanvir Grewal, OhioHealth Riverside Methodist Hospital, Columbus, OH, USA, OhioHealth Research & Innovation Institute, Columbus, OH, USA

### 381 - Variability in Glycated Hemoglobin Values and Cardiovascular Events in Patients With Type 2 Diabetes and Multivessel Coronary Artery Disease

Paulo Rezende, Whady Hueb, Mark Hlatky, Rosa Garcia, Cibele Garzillo, Thiago Scudeler, Gustavo André Boeing Boros, Fernando Fagioni Ribas, Anderson Roberto Dallazen, Desiderio Favarato, Jose Ramires, Roberto Kalil-Filho, Instituto do Coracao (InCor), Hospital das Clinicas HCFMUSP, São Paulo, Brazil, Faculdade de Medicina, Universidade de São Paulo, São Paulo, Brazil

### 382 - Acute Chest Pain Evaluation Using Coronary Computed Tomography Angiography Compared to Standard of Care: An Update of Meta-Analysis of Randomized Clinical Trials

Carlos A. Gongora, Chirag Bavishi, Seth Uretsky, Edgar Argulian, Mount Sinai St. Luke's, New York, NY, USA

### 383 - Unsupervised Machine Learning Clustering For Stratification of Cardiac Risk in Patients With Exercise Echocardiography Negative For Ischemia

Alaa Mabrouk Salem Omar, Roberto Ramirez, Faris Haddadin, Basera Sabharwal, Mariam Khandaker, Yash Patel, Edgar Argulian, BronxCare Hospital Center, New York, NY, USA, Mount Sinai Saint Luke's Hospital, New York, NY, USA

### 384 - Very Low Prevalence of Normal Glucose Metabolism in Patients With Acute Myocardial Infarction in the Current Era

Kazuoki Dai, Kazuki Suruga, Takayuki Nakano, Hajime Takemoto, Yu Hashimoto, Syunsuke Tomomori, Tadao Higaki, Kuniomi Oi, Tomoharu Kawase, Yasuharu Nakama, Kazuyoshi Suenari, Kenji Nishioka, Masaya Otsuka, Yoshiko Masaoka, Nobuo Shioda, Yasuki Kihara, Hiroshima City Hiroshima Citizens Hospital, Hiroshima, Japan, Hiroshima University Hospital, Hiroshima, Japan

### 385 - Left Ventricular Thrombus Following Primary Percutaneous Intervention: Incidence and Long Term Outcomes

Daniel Belliveau, Ata-Ur-Rehman Quraishi, Robbie Stewart, Queen Elizabeth II Health Sciences Center, Halifax, Canada

### 386 - Twenty-Eight Year Trends in Acute Myocardial Infarction With Inpatient-Onset: The Atherosclerosis Risk in Communities Surveillance Study, 1987-2014

Sameer Arora, Matthew Cavender, Arman Qamar, Muthiah Vaduganathan, Ambarish Pandey, Kunihiro Matsushita, John Vavalle, Joseph Rossi, George Stouffer, Melissa Caughey, University of North Carolina, Chapel Hill, NC, USA, Brigham and Women's Hospital, Boston, MA, USA

### 387 - Marijuana Use and the Risk of Coronary Artery Disease, Acute Coronary Syndrome, and Inpatient Mortality: An Analysis of National Inpatient Sample

Khagendra Dahal, Sharan Sharma, Kalgi Modi, LSUHSC, Shreveport, LA, USA

### 388 - Impact of Hyperuricemia on Patients With Diabetes Mellitus Who Underwent Percutaneous Coronary Intervention

Ken Nishikawa, Ayumu Nagae, Takashi Miura, Koki Fujimori, Daisuke Sunohara, Hisanori Yui, Shusaku Maruyama, Chie Nakamura, Hiroaki Tabata, Daisuke Kashiwagi, Hideki Kobayashi, Takahiro Sakai, Keisuke Senda, Tamon Katoh, Tatsuya Saigusa, Soichiro Ebisawa, Ayako Okada, Hirohiko Motoki, Koichiro Kuwahara, Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto-Shi, Japan, Department of Cardiovascular Medicine, Nagano Municipal Hospital, Nagano-Shi, Japan

### 389 - Impact of Right Ventricular Branch Slow Flow Phenomenon Post Percutaneous Coronary Intervention For Acute Coronary Syndrome to Predict Future Prolonged Right-Ventricular Dysfunction

Koshi Setoyama, Shinjo Sonoda, Konosuke Inoue, Toshiya Miura, Akiyoshi Shimizu, Reo Anai, Yoshinori Sanuki, Yuki Tsuda, Masaru Araki, Yutaka Otsuji, The Second Department of Internal Medicine University of Occupational & Environmental Health, Kitakyushu, Japan

### 390 - A J-Shaped Pattern Can Be Observed Between the Risk of Major Adverse Cardiac Events and Admission Systolic Blood Pressure Among Patients With Acute Coronary Syndrome

Man Wang, Wen Su, Hongwei Li, Hui Chen, Department of Cardiology, Friendship Hospital, Beijing, People's Republic of China

### 391 - Impact of Nutritional Index For Long Term Outcome of Elderly Patients With Coronary Artery Disease From Subanalysis of the Shinano 5 Years Registry

Shusaku Maruyama, Takashi Miura, Keisuke Senda, Minami Taki, Masanori Kobayashi, Masafumi Kanai, Hidetomo Nomi, Naoto Hashizume, Kyuhachi Otagiri, Yusuke Miyashita, Ken Nishikawa, Daisuke Sunohara, Hisanori Yui, Chie Nakamura, Hiroaki Tabata, Daisuke Kashiwagi, Hideki Kobayashi, Ayumu Nagae, Takahiro Sakai, Tamon Katoh, Tatsuya Saigusa, Souichiro Ebisawa, Ayako Okada, Hirohiko Motoki, Koichiro Kuwahara, Shinshu University Hospital, Matsumoto, Japan

### 392 - Inducible Myocardial Ischemia and High-Sensitivity Troponin I Additively Predict Adverse Cardiovascular Events in Stable Coronary Artery Disease

Jeong Hwan Kim, Muhammad Hammadah, Bruno Lima, Chang Liu, Yi-An Ko, Samaah Sullivan, Kasra Moazzami, Agim Beshiri, Gillian Murtagh, Ayman Alkhoder, Afif Martini, Laura Ward, Doug Bremner, Amit Shah, Brad D. Pearce, Ernest Garcia, Paolo Raggi, Viola Vaccarino, Arshed Quyyumi, Emory University, Atlanta, GA, USA

### 393 - Women's Outcomes Are Improving After Contemporary Coronary Artery Bypass Graft Procedures

Mark A. Groh, Daniel P. Mulloy, Oliver A. Binns, Jesse L. Madden, Stephen W. Ely, Gerard Champsaur, Mission Hospital, Asheville, NC, USA

### 394 - Development and Validation of Models to Predict Long-Term Outcomes and Resource Utilization After Percutaneous Coronary Intervention

Matthew D. Solomon, Thomas Leong, Sue Hee Sung, Catherine Lee, Samuel Savitz, Jamal Rana, Edward McNulty, Alan S. Go, Kaiser Permanente, Oakland, CA, USA

### 395 - Mortality of Patients With Acute Myocardial Infarction Who Leave the Hospital Against Medical Advice

William J. Kostis, Stavros Zinonos, Nora Cosgrove, John Kostis, Javier Cabrera, Rutgers Robert Wood Johnson Medical School, New Brunswick, ME, USA



396 - Association of High HDL in Patients With Coronary Artery Disease: Impact of Race and Sex

Devinder Dhindsa, Pratik Sandesara, Anurag Mehta, Matthew Topel, Marc Allard-Ratick, Wesley O'Neal, Jay Khambhati, Beka Bakthadze, Ayman Samman Tahhan, Salim Hayek, Laurence S. Sperling, Arshed Quyyumi, Emory University School of Medicine, Atlanta, GA, USA

397 - Temporal Trends in Time to Invasive Coronary Angiography and Association With Clinical Outcomes Following Non-ST Elevation Acute Myocardial Infarction in United States

Muhammad Rashid, David Fischman, Sara Martinez, Quinn Capers, Michael Savage, Azfar Zaman, Nick Curzen, Mohamed Mohamed, Chun Shing Kwok, Tim Kinnaird, Mamas A. Mamas, Keele University, Stoke-on-Trent, United Kingdom

398 - Variations in Utilization of Invasive Cardiac Procedures According to Hospital Cardiac Facilities Status in Management of Non-ST Elevation Acute Myocardial Infarction in the United Kingdom

Muhammad Rashid, Evangelos Kontopantelis, Tim Kinnaird, Nick Curzen, Chris Gale, Mohamed Mohamed, Jessica Potts, Chun Shing Kwok, Justin Zaman, Adam Timmis, Mamas A. Mamas, Keele University, Stoke-on-Trent, United Kingdom

399 - Clinical and Laboratory Predictors For Plaque Erosion in Patients With Acute Coronary Syndromes

Erika Yamamoto, Francesco Fracassi, Tomoyo Sugiyama, Taishi Yonetsu, Tsunekazu Kakuta, Tsunenari Soeda, Yoshihiko Saito, Bryan P. Yan, Osamu Kurihara, Masamichi Takano, Giampaolo Niccoli, Takumi Higuma, Shigeki Kimura, Yoshiyasu Minami, Junya Ako, Tom Adriaenssens, Niklas Boeder, Holger Nef, Hang Lee, Filippo Crea, Takeshi Kimura, James Fujimoto, Valentin Fuster, Ik-Kyung Jang, Massachusetts General Hospital, Boston, MA, USA

400 - Machine Learning-Based Cardiovascular Event Prediction For Percutaneous Coronary Intervention

Yijiang Zhou, Ruoyu Zhu, Xiaojun Chen, Xiaolei Xu, Qiwen Wang, Liujun Jiang, Jianhua Zhu, Jian Wu, Hui Yan, Li Zhang, The First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, People's Republic of China, College of Computer Science and Technology, Zhejiang University, Hangzhou, People's Republic of China

401 - Index of Microcirculatory Resistance as a Predictor of Cardiac Outcomes in Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary Coronary Intervention: A Validation Study in Real-World Clinical Practice

Takayuki Onishi, Yuko Onishi, Isshi Kobayashi, Yasuhiro Sato, Akihiro Niwa, Hiratsuka Kyosai Hospital, Hiratsuka, Japan

402 - Gender Difference in Long-Term Outcomes Among Acute Myocardial Infarction Patients Undergoing Percutaneous Coronary Intervention

Jae-Sik Jang, Tae-Hyun Yang, Dae-Kyeong Kim, Dong-Soo Kim, Eun-Ji Park, Yeong-Ju Jeong, Inje University Busan Paik Hospital, Busan, South Korea

403 - Trends and Outcomes During Early Rollout Phase of Non-Primary PCI at Centers Without Surgery On-Site: The Michigan Experience

Majed Afana, Gerald Koenig, Milan Seth, Kathleen Frazier, Sheryl Fielding, Andrea Jensen, Hitinder Gurm, Henry Ford Health System, Detroit, MI, USA, University of Michigan, Ann Arbor, MI, USA

404 - Chronic Myocardial Injury in Patients With Chest Pain and Risk For Stroke

Andreas Roos, Linda Rydén, Martin Holzmann, Department of Medicine, Karolinska Institute, Stockholm, Sweden, Functional Area of Emergency Medicine, Karolinska University Hospital, Stockholm, Sweden

405 - Accuracy of High-Sensitivity Troponin T: Effect of Sex-Specific Cutoffs and Impact of Serial Change in a United States Emergency Chest Pain Population

Karanvir S. Grewal, Galen Hayek, Nathan Nahhas, Deep Shah, Shray Jain, Susan Fuhrman, Caroline Lerner, Anand Gupta, Tamara McMath, Riverside Methodist Hospital, Columbus, OH, USA, OhioHealth Research & Innovation Institute, Columbus, OH, USA

406 - ST-Elevation Myocardial Infarction Associated With Infective Endocarditis: A Systematic Review

Salik Nazir, Eric Elgin, Richard Loynd, Mumtaz Zaman, Anthony Donato, Reading Hospital-Tower Health, West Reading, PA, USA

407 - Aortic Stiffness Is Associated With Reduced Adenosine-Induced Hyperemic Myocardial Blood Flow Following ST Elevation Myocardial Infarction

Adam J. Nelson, Dennis Wong, Michael Leung, Rishi Puri, Benjamin Dundon, James Richardson, Samuel Sidharta, Stephen Nicholls, Karen Teo, Stephen Worthley, Matthew Worthley, University of Adelaide, Adelaide, Australia, Royal Adelaide Hospital, Adelaide, Australia

408 - Performance of a Novel High Sensitivity Cardiac Troponin I Assay For a One Hour Algorithm For Evaluation of Non ST Segment Elevation Myocardial Infarction in the United States

Richard M. Nowak, James McCord, Robert Christenson, Gordon Jacobsen, Fred Apple, Christopher DeFilippi, Henry Ford Health System, Detroit, MI, USA, University of Maryland, Baltimore, MD, USA

409 - Trends and Predictors of Length of Stay of Unstable Angina: An Evidence of a Changing Paradigm

Aaqib H. Malik, Nauman Siddiqui, Wilbert Aronow, Westchester Medical Center and New York Medical College, Valhalla, NY, USA, Tufts Medical Center, Boston, MA, USA

410 - Very Long-Term Follow-Up of Diabetic Patients With Coronary Artery Disease Undergoing Angioplasty With Conventional and Drug-Eluting Stents  
Mauricio Mocha, Matheus Oliveira Laterza Ribeiro, Guilherme Fernandes Carvalho, Jaime Linhares Filho, Eduardo Lima, Whady Hueb, Paulo Rezende, Daniel Valente Batista, Eduardo Martins, Diogo Freitas Cardoso Azevedo, Cibele Garzillo, Jose Ramires, Roberto Kalil-Filho, Instituto do Coracao (InCor), Hospital das Clinicas HCFMUSP, São Paulo, Brazil, Faculdade de Medicina, Universidade de São Paulo, São Paulo, Brazil

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1169

#### Arrhythmias and Clinical EP: Supraventricular/Ventricular Arrhythmias 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

265 - Out-of-Pocket Price For Oral Anticoagulants in Atrial Fibrillation

Joan Maradey, Diego A. Malaver, David Herrington, Daniel Nielsen, Prashant Bhawe, Wake Forest Baptist Hospital, Winston-Salem, NC, USA

266 - The Relationship Between the PVC Origin Location and the Mean Direction of Activation to the Anatomical Location

Roger Aboacherli, Noel Boyle, Peter van Dam, Insitute for Medical Engineering (IMT), Lucerne University of Applied Sciences and Arts, Horw, Switzerland, Departement of Cardiology, University Hospital Basel, Basel, Switzerland



267 - Man Versus Machine: Comparison of Manual Versus Novel 12-Lead Ecg Algorithm to Predict the Ventricular Arrhythmia Origin to Guide Ablation Procedure

Roger Abaecherli, Peter van Dam, Stefan Osswald, Tobias Reichlin, Department of Cardiology, University Hospital Basel, Basel, Switzerland, Institut for Medical Engineering (IMT), Lucerne University of Applied Sciences, Horw, Switzerland

268 - Meta-Analysis of Ultrasound-Guided Versus Conventional Vascular Access For Electrophysiology Procedures and Catheter Ablation

Tom Kai Ming Wang, Michael Tzu Min Wang, Andrew Martin, Auckland City Hospital, Auckland, New Zealand, University of Auckland, Auckland, New Zealand

269 - ECG Patterns of Initiation of Ventricular Fibrillation: Analysis of 100 Electrophysiology Studies

Mariam Meddeb, Kashif N. Chaudhry, Timm Dickfeld, University of Maryland, Baltimore, MD, USA

270 - Worldwide Oral Anticoagulant Prescription Prevalence and Trends in Patients With Atrial Fibrillation From a Multi-National Cohort: Insights From the International Collaborative Partnership For the Study of Atrial Fibrillation (INTERAF) Collaborative

Jonathan Chong Hsu, Masaharu Akao, Alvaro Avezum Junior, Gerald Bloomfield, Shun Kohsaka, Deirdre Lane, Gregory Lip, Chang-Sheng Ma, Hisashi Ogawa, Angelo Ponirakis, Tatjana Potpara, Marwan Refaat, Tecla Temu, Wee Siong Teo, Hung-Fat Tse, Thomas Maddox, University of California, San Diego, La Jolla, CA, USA

271 - Variations in Quality Measure Compliance in Prescriptions For Atrial Fibrillation Patients Among Outpatient Cardiology Practices: Insights From the NCDR PINNACLE Registry\*

Jonathan Chong Hsu, Matthew Reynolds, Yang Song, Gheorghe Doros, Steven Lubitz, Anil Gehi, Mintu Turakhia, Thomas Maddox, University of California, San Diego, La Jolla, CA, USA

272 - Thermoreactive Implant For Isolation of the Superior Vena Cava

Glenn Van Langenhove, Samuel S. Van Langenhove, Zoé Van Langenhove, Tim Boussy, Veterinary Hospital of Lahav, Israel, Lahav, Israel

273 - Spatial Displacement of Three Dimensional Electroanatomic Mapping Points During Premature Ventricular Complexes Versus Sinus Rhythm

Curtis Steyers, Sandeep Sodhi, Mitchell Faddis, Daniel Cooper, Phillip Cuculich, Amit Noheria, Washington University in St. Louis, Saint Louis, MO, USA

274 - Timing of Holter Detected Recurrences During Follow-Up After Cryoballoon Ablation For Paroxysmal Atrial Fibrillation: In Search of the Optimal Follow-Up Timepoint

Stijn Van Vugt, Sjoerd Westra, Rick Volleberg, Jeroen Jaspers Focks, Reinder Evertz, Martin Hemels, Rypko Beukema, Carlo de Asmundis, Marc Brouwer, Jean Baptiste Chierchia, Radboud University Medical Center, Nijmegen, The Netherlands

275 - Efficacy and Safety of Atrial Fibrillation Ablation in Patients With History of Cerebrovascular Accidents

Amjad Abualsuod, Fuad Habash, Khaldia Khaled, Akshay Goel, Zaid Gheith, Bilal Alqam, Mohammed Eid Madmani, Srikanth Vallurupalli, Waddah Maskoun, University of Arkansas for Medical Sciences, Little Rock, AR, USA, Central of Arkansas Veterans Healthcare System, Little Rock, AR, USA

276 - Impact of Atrial Fibrillation Ablation on Left Atrium Functionality Assessed by Volume-Pressure Loops

Antonios Karanasos, Konstantinos Toutouzas, Kostas Tyrovolas, Michael Efremidis, Dimitris Tsiachris, Athanasios Kordalis, Maria Karpalioti, Constantina Aggeli, Christodoulos Stefanadis, Kostas Gatzoulis, Dimitris Tousoulis, Hippokraton Hospital, Athens, Greece, Evangelismos General Hospital, Athens, Greece

277 - Catheter Ablation Compared to Medical Management For Atrial Fibrillation in Patients With Carotid Arterial Disease Is Associated With Lower Rates of Dementia and Stroke

Thomas Jared Bunch, Heidi May, Tami Bair, Brian G. Crandall, Michael J. Cutler, Kevin G. Graves, Victoria Jacobs, Charles Mallender, Jeffrey S. Osborn, J. Peter Weiss, John Day, Intermountain Heart Institute, Salt Lake City, UT, USA

### Arrhythmias and Clinical EP - Poster Contributions Session #1170

#### Arrhythmias and Clinical EP: Devices 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

279 - The Diagnostic Yield of Implantable Loop Recorders Stratified by Indication: "Real-World" Use in a Large Academic Hospital

Alexander Smith, Makenzie Perdue, Jetmir Vojnika, Behzad Pavri, Thomas Jefferson University Hospital, Philadelphia, PA, USA

280 - Incidence and Risk Factors For Implantation of a Cardiac Electronic Device Following Mitral or Aortic Valve Surgery

Gil Moskowit, Kimberly Hong, Gennaro Giustino, A. Gillinov, Joseph DeRose, Gorav Ailawadi, Alexander Iribarne, Alan Moskowit, Annetine Gelijns, Natalia Egorova, Mount Sinai Hospital, New York, NY, USA

281 - Trends of Implantable Cardioverter Defibrillator Use in Advanced Heart Failure Patients Supported With Left Ventricular Assist Device: Insights From the Nationwide Inpatient Sample

Ahmed Elkaryoni, Hasan F. Othman, Amr Barakat, Islam Abdelkarim, University of Missouri Kansas City, Kansas City, MO, USA, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

282 - Diurnal, Seasonal, and Monthly Variations in Occurrence of Ventricular Arrhythmias in Patients With Implantable Cardioverter Defibrillators: Insights From a Pooled Analysis

Abhishek Maan, Lou Sherfese, Daniel Lexcen, Edwin Heist, Alan Cheng, Massachusetts General Hospital, Boston, MA, USA, Medtronic, Minneapolis, MN, USA

283 - Concomitant Pulmonary Vein Isolation and Left Atrial Appendage Occlusion For Atrial Fibrillation: A Meta-Analysis of Safety and Efficacy Outcomes

Abhishek Thandra, Aravdeep Jhand, Dinesh Reddy Apala, Raviteja Guddeti, Andrew Goldsweig, Venkata Alla, CHI Creighton University Medical Center, Omaha, NE, USA

284 - Use and Outcomes of Dual Chamber and Cardiac Resynchronization Therapy Defibrillators Among Older Patients Undergoing ICD Implantation With a Ventricular Pacing Indication: An Analysis of the National Cardiovascular Data ICD Registry

Ryan T. Borne, Haikun Bao, Jephtha Curtis, Frederick Masoudi, Matthew Zipse, Amneet Sandhu, Jonathan Hsu, Pamela Peterson, University of Colorado Anschutz Medical Campus, Aurora, CO, USA

285 - Cardiac Resynchronization Therapy Via a Transvenous Approach in Adult Congenital Heart Disease Patients

Cameron Lambert, Scott Anjewierden, David Majdalany, Elizabeth Saarel, Peter Aziz, Cleveland Clinic Foundation, Cleveland, OH, USA



286 - Stroke Rates Associated With Methods of Surgical Left Atrial Appendage Exclusion (LAAE) During Concomitant Atrial Fibrillation (AF) Ablation

Marc W. Gerdisch, Patrick McCarthy, Glenn R. Barnhart, Jonathan Philpott, Mubashir Mumtaz, Franciscan Health Heart Center, Indianapolis, IN, USA, Northwestern University, Chicago, IL, USA

287 - Do Implantable Cardioverter-Defibrillator Heart Failure Diagnostics Predict Failure of Monomorphic Ventricular Tachycardia to Anti-Tachycardia Pacing and Need For Shock?

Mohammed Salim Al-Damluji, Meghan Snuckel, Ahmed Zaghoul, Corina Iorgoveanu, Aditi Singhvi, Jeffrey Kluger, University of Connecticut - Hartford Hospital, Hartford, CT, USA

288 - Tachyarrhythmia Discriminator For Implantable Cardioverter-Defibrillators in Bundle Branch Block

Ridhima Kapoor, Sudhi Tyagi, Claire Dohmen, James Oujiri, Jason Rubenstein, Marcie Berger, Medical College of Wisconsin, Milwaukee, WI, USA

289 - Differences in Remote Transmission Rates For Implantable Loop Recorders Versus All Cardiovascular Implantable Electronic Devices

Kevin R. Campbell, Deborah A. Fisher, Jason Hale, Noemi Ray, Ciprian Bordea, PaceMate, Bradenton, FL, USA, Duke University, Durham, NC, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1171

#### Arrhythmias and Clinical EP: Basic 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

290 - Atrial Fibrillation and Liver Cirrhosis: Risks and Benefits of Anticoagulation

Wafic Itani, Yousef Nassar, Seth Richter, Mikhail Torosoff, Albany Medical Center, Albany, NY, USA

291 - Treatment Patterns and Outcomes Among Medicare Patients With Nonvalvular Atrial Fibrillation (NVAf) and Chronic Kidney Disease  
Lauren Wilson, Xuemei Luo, Shawn Li, Jack Mardekian, Alessandra Bassalobre Garcia, Asheley Skinner, Department of Population Health Sciences, Duke University School of Medicine, Durham, NC, USA, Pfizer, Inc., New York, NY, USA

292 - Impact of Vasopressors on Postoperative Atrial Fibrillation in Cardiac Surgery

Ashley Kate Kasper, Matthew Wanek, Michael Militello, Benjamin Hohlfelder, Seth Bauer, A. Gillinov, Steven Inslar, Cleveland Clinic, Cleveland, OH, USA

293 - Duration of In-Hospital Cardiopulmonary Resuscitation and Its Effect on Survival

Arslan Cheema, Waqas Ullah, Hafez Mohammad Ammar Abdullah, Khadija Cheema, Abington Hospital- Jefferson Health, Abington, PA, USA

294 - Transfusions, With or Without Concomitant Bleeding, Are Associated With High Short-Term Mortality in Patients With Atrial Fibrillation Treated With Oral Anticoagulation

Ajar Kochar, Daniel Wojdyla, Laine Thomas, John Alexander, Sunil Rao, Claes Held, Marco Alings, Elaine Hylek, Christopher B. Granger, Jack Ansell, Lars Wallentin, Renato Lopes, Duke Clinical Research Institute, Durham, NC, USA

295 - Sites That Control Larger Areas During Atrial Fibrillation May Determine Termination During Ablation

Neal K. Bhatia, Samir Hossainy, Albert Rogers, Mahmood Alhusseini, Chad Brodt, Nosheen Moosvi, Tina Baykaner, Paul Wang, Wouter-Jan Rappel, Sanjiv Narayan, Stanford University, Stanford, CA, USA, University of San Diego, La Jolla, CA, USA

296 - In Search For Genetic Markers of Non-Familial Sick Sinus Syndrome  
Naufal Zagidullin, Vladimir Plechev, Elena Badykova, Marat Badykov, Leysan Akhmadishina, Gulnaz Korytina, Ildus Sagitov, Bashkir State Medical University, Ufa, Russian Federation

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1172

#### Arrhythmias and Clinical EP: Other 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

297 - Novel Epicardial-Only Approach to LAA Ligation

Jose M. Sanchez, Adam Lee, Randall Lee, University of California San Francisco, San Francisco, CA, USA

298 - Association of Angiotensin-2 and Atrial Fibrillation Burden in Critically Ill Patients

Lily Stern, Kathleen Liu, Hanjing Zhuo, Kirsten Kangelaris, Antonio Gomez, Alejandra Jauregui, Kathryn Vessel, Thomas Deiss, Jason Abbott, Ashish Agrawal, Michael Matthey, Carolyn S. Calfee, Liviu Klein, University of California, San Francisco, San Francisco, CA, USA

299 - Burden of Arrhythmia in Septic Patients From the Nationwide Inpatient Sample: 2005-2014

Harshil Shah, Mihir Dave, Hee Kong Fong, Safi Khan, Reena Motwani, Achint Patel, Muhammad Shahzeb Khan, Edo Kaluski, Guthrie Robert Packer Hospital, Sayre, PA, USA

300 - Association Between Geriatric Elements and Oral Anticoagulant Prescribing Among Older Adults With Atrial Fibrillation: Data From the SAGE-AF Study

Saket Sanghaj, Summer Aldrugh, Molly Waring, Catarina Kiefe, Robert Goldberg, Jerry Gurwitz, Darleen Lessard, David C. Parish, Hamza H. Awad, Felix Sogade, Robert Helm, Robert Hayward, David McManus, Jane Saczynski, University of Massachusetts Medical Center, Worcester, MA, USA

301 - Examining the Association Between Frailty and Oral Anticoagulant Use For Atrial Fibrillation: Data From a Contemporary Ambulatory VA Cohort  
Saket Sanghaj, Victoria Wang, Adam Rose, Hong Yu, Weisong Liu, Kelly Cho, Jane Driver, Ariela Orkaby, Jane Saczynski, David McManus, University of Massachusetts Medical School, Worcester, MA, USA

302 - A Systematic Review and Meta-Analysis of Randomized Controlled Trials to Determine the Odds of Adverse Events For Amiodarone Compared to Placebo

Morgan Moroi, Mohammed Ruzieh, Mehrdad Ghahramani, Gerald Naccarelli, John Mandrola, Andrew Foy, Penn State Heart and Vascular Institute, Hershey, PA, USA, Baptist Health Louisville, Louisville, KY, USA

303 - Oral Anticoagulation Underused and Aspirin Overused For Atrial Fibrillation With Advanced Chronic Kidney Disease Status

Michael Dorsch, Sean Pokorney, Mary Birmingham, John A. House, Kenneth Moore, Bobbie James, Sue Mashni, Kevin Thomas, Kevin Anstrom, Gerald Naccarelli, Peter Berger, Gregory Fermann, Christopher B. Granger, Elaine Hylek, Janssen Scientific Affairs, LLC, Titusville, NJ, USA

304 - Electrocardiographic Deep Terminal Negativity of the P Wave in V1 and Stroke Mortality

Muhammad Imtiaz Ahmad, Matthew Singleton, Hooman Kamel, Elsayed Soliman, Wake Forest School of Medicine, Winston Salem, NC, USA



305 - Clinical Importance of Troponin Level in 3,121 Patients Presenting With Atrial Fibrillation (AF-TROP Study)

Amit Kaura, Ahran Arnold, Vasileios Panoulas, Benjamin Glampson, Jim Davies, Kerrie Woods, Abdulrahim Mulla, Joe Omigie, Anoop D. Shah, Keith Channon, Jonathan N. Weber, Mark R. Thursz, Paul Elliott, Harry Hemingway, Bryan Williams, Folkert W. Asselbergs, Rajesh Kharbanda, Graham M. Lord, Narbeh Melikian, Riyaz Patel, Divaka Perera, Ajay Shah, David Lefroy, Darrel Francis, Jamil Mayet, NIHR Imperial Biomedical Research Centre, Imperial College London, London, United Kingdom

306 - Meta-Analysis on the Impact of Contact Force Sensing Catheters on Outcomes in Atrial Fibrillation Ablation: A Focus on Randomized Controlled Trial Versus Observational Data

Amit Kaura, Nicholas Sunderland, Francis Murgatroyd, Para Dhillon, Paul Scott, NIHR Imperial Biomedical Research Centre, Imperial College London, London, United Kingdom, King's College Hospital NHS Foundation Trust, London, United Kingdom

307 - Predictive Value of Six Minute Walk Test in Heart Failure Patients: Implications For Future Clinical Trials

Spencer Rosero, Natalia Hernandez, Jonathan Buber, Scott McNitt, Bronislava Polonsky, Wojciech Zareba, Ilan Goldenberg, Valentina Kutyla, University of Rochester, Rochester, NY, USA

308 - Electrocardiographic Acute Right Ventricular Strain Pattern Preceding In-Hospital Cardiac Arrests Due to Pulseless Electrical Activity/Asystole: Pulmonary Embolism Is Not the Only Cause

Jason Yang, Duc Do, Xiao Hu, Noel Boyle, University of California Los Angeles, Los Angeles, CA, USA

309 - Major Cardiac Events Following an Episode of Syncope: A Cause For Concern?

Amir Najafi, Chirag Rajyaguru, Uday Gajjandra Sandhu, Chandrasekar Palaniswamy, UCSF Fresno, Fresno, CA, USA

310 - Sex Difference in Efficacy and Safety of Direct Oral Anticoagulants in Asian Patients With Nonvalvular Atrial Fibrillation: 1-Year Real-World Data From the Direct Registry

Nanao Matsusaki, Yohei Sotomi, Akio Hirata, Atsushi Hirayama, Yoshiharu Higuchi, Osaka Police Hospital, Osaka-City, Japan

311 - Left Atrial Fibrosis Is Associated With Left Atrial Diastolic Dysfunction Measured by Pressure/Volume Curves in Patients Undergoing Ablation For Atrial Fibrillation

Irfan M. Khurram, Farhan Maqbool, Saman Nazarian, Stefan Zimmerman, Vadim Zipunnikov, Hugh Calkins, Johns Hopkins University, Baltimore, MD, USA, New York Presbyterian/Columbia University, New York, NY, USA

312 - Prevalence and Clinical Characteristics Associated With Left Atrial Thrombus Detection: Apixaban

Hoyle Whiteside, Arun Nagabandi, Kristen Brown, Deepak N. Ayyala, Gyanendra Sharma, Medical College of Georgia at Augusta University, Augusta, GA, USA

### Congenital Heart Disease - Poster Contributions

#### Session #1183

#### Congenital Heart Disease: Pediatric 1

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

477 - Ectopia Cordis: Survival and Outcomes of a Neonatal Multicenter Cohort

Benjamin J. Smith, Jonathan N. Flyer, Erika M. Edwards, Roger F. Soll, Jeffrey D. Horbar, Scott B. Yeager, University of Vermont, Burlington, VT, USA

478 - Yield of Genetic Testing in Neonates With Congenital Heart Disease and Association With Clinical Outcomes

Shannon Nees, Katharine Press Callahan, Sonya Besagar, Teresa Lee, Volkan Okur, Emily Griffin, Jiayao Wang, Yufeng Shen, Wendy K Chung, Columbia University, New York, NY, USA

479 - Comparison of Short-Term Outcomes After Superior Cavopulmonary Connection With and Without Elimination of Antegrade Pulmonary Blood Flow

Thomas Dietzman, John Depaolo, Stefania Soria, Matthew Gillespie, Christopher Mascio, Yoav Dori, Michael L. O'Byrne, Jonathan Rome, Andrew Glatz, Children's Hospital of Philadelphia, Philadelphia, PA, USA

484 - Ongoing Coronary Inflammation in Patients With Persistent Coronary Artery Aneurysms Caused by Kawasaki Disease

Kenji Suda, Nobuhiro Tahara, Kurume University School of Medicine, Kurume, Japan

485 - Congenital Heart Disease Patients With Multiple Sternotomies Are at Increased Risk of a Decreased FVC and Poor Exercise Capacity

Imran R. Masood, Jon Detterich, Daniel Cerrone, Roberta Kato, Arash Sabati, Children's Hospital Los Angeles, Los Angeles, CA, USA

486 - Comparison of Holter With Patch Ambulatory Electrocardiographic Monitoring in Children: A Prospective Clinical Trial

Meena Bolourchi, Eric S. Silver, David Muwanga, Esteban Mendez, Leonardo Liberman, NewYork Presbyterian - Columbia University, New York, NY, USA

487 - Genetic Abnormalities Identified by Chromosomal Microarray in Neonates With Congenital Heart Disease

Kamalvir Gill, Lisa Sosa, Jun Sasaki, Elizabeth Welch, Nicklaus Children's Hospital, Miami, FL, USA

488 - Airway Obstruction in Patients With Complex Conotruncal Anomalies

Courtney Wein, Luisa Cervantes, Jun Sasaki, Juan-Carlos Muniz, Nao Sasaki, Nicklaus Children's Hospital, Miami, FL, USA

497 - Variability of Practice and Risk For Advanced Diagnostic Modalities Prior to Superior Cavopulmonary Connection as Part of Staged Single Ventricle Palliation: A Multi-Institution Study

Ari Gartenberg, Andrew Glatz, Aimee Armstrong, Susan Casey, Miranda Kunz, Dawn Witt, Katelyn Storey, Cynthia Rigsby, B. Kelly Han, Minneapolis Heart Institute Foundation, Minneapolis, MN, USA

498 - Lower Right Ventricular Pressure Is Associated With Increased Mortality or Transplant in Infants With Pulmonary Atresia With Intact Ventricular Septum

Zachary Spigel, Shaine Morris, Athar Qureshi, Rodrigo Zea-Vera, Kristen Sexson, Christopher Caldarone, Jeffrey Heinle, E. Dean McKenzie, Ziyad Binsalamah, Michiaki Imamura, Iki Adachi, Texas Children's Hospital, Houston, TX, USA

### Congenital Heart Disease - Poster Contributions

#### Session #1184

#### Congenital Heart Disease: Adult 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

489 - Long Term Outcomes in Adult Patients With Congenital Heart Disease and Implantable Cardioverter-Defibrillators

Adam Michael Brouillard, Noor Al-Hammadi, Craig Hunt, Marye Gleva, Washington University in Saint Louis, Saint Louis, MO, USA



490 - Stiff and Strong: Does Restrictive Right Ventricular Physiology Protect Right Ventricular Function in Adults With Repaired Tetralogy of Fallot and Pulmonary Regurgitation?

Sarah Blissett, Ahmed Kheiw, Kelly Cordero, Anushree Agarwal, Elyse Foster, Ian Harris, Vaikom Mahadevan, Karen Ordovas, University of California, San Francisco, San Francisco, CA, USA

495 - The Use of Prophylactic Amiodarone For the Prevention of Atrial Fibrillation Following Cardiovascular Surgery in Adults With Congenital Heart Disease

Michael Brock, John Anthony Coppola, Jana Reid, Mark Bleiweis, Diego Moguillansky, University of Florida Congenital Heart Center, Gainesville, FL, USA

496 - Clinical and Procedural Outcomes in TAVR For Bicuspid Versus Tricuspid Aortic Valve Stenosis

Daniel Garcia, Mohammad Ansari, Ochsner Heart and Vascular Institute, New Orleans, LA, USA, Texas Tech University Health Science Center, Lubbock, TX, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1186

#### Heart Failure and Cardiomyopathies: Clinical 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

499 - Prevalence, Clinical Profile, and Outcome of Cardiorenal Syndrome in Symptomatic Patients With Hypertrophic Cardiomyopathy

Mikhail Romashko, Martin Maron, Barry Maron, James Udelson, Jeffrey M. Testani, Ethan Rowin, Tufts Medical Center, Boston, MA, USA, Yale University School of Medicine, New Haven, CT, USA

500 - End-Stage Hypertrophic Cardiomyopathy Revisited: Impact of Contemporary Therapies

Sophie B. Wells, Martin Maron, Parth Patel, Barry Maron, Ethan Rowin, HCM Institute, Division of Cardiology, Tufts Medical Center, Boston, MA, USA

501 - Functional Capacity Measured by the Short Physical Performance Battery (SPPB) and Not Cardiac Parameters Are Independently Associated With Quality of Life in Patients With Transthyretin Cardiomyopathy

Samantha Guadalupe, Sergio Teruya, Stephen Helmke, Jeffeny De Los Santos, Mathew Maurer, Adam Castano, Center for Cardiac Amyloidosis, Columbia University Irving Medical Center, New York, NY, USA

502 - Association of Glycemic Variability With Left Ventricular Diastolic Function in Type 2 Diabetes Mellitus

Shun Yokota, Hidekazu Tanaka, Yasuhide Mochizuki, Fumitaka Soga, Kentaro Yamashita, Yusuke Tanaka, Ayu Shono, Makiko Suzuki, Sachiko Yoshikawa, Keiko Sumimoto, Nao Shibata, Jun Mukai, Makiko Suto, Hiroki Takada, Kumiko Dokuni, Keiko Hatazawa, Eriko Hisamatsu, Kensuke Matsumoto, Ken-ichi Hirata, Kobe University Graduate School of Medicine, Kobe, Japan

503 - Evidence For Cyclic Guanosine Monophosphate Impairment in Acute Decompensated Heart Failure Patients

Jacob Schaefer, Seethalakshmi Iyer, Yang Chen, Jeson Sangaralingham, John Burnett, Mayo Clinic, Rochester, MN, USA

504 - Screening Fabry Disease in Non-Selective Male Patients With Left Ventricular Hypertrophy

Alex Pui-Wai Lee, Josie T. Y. Chow, Kevin K. H. Kam, Yiting Fan, David Chan, Bun Sheng, Paul Choi, Ka Tak Jeffrey Wong, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong, Hong Kong

505 - Elevation of Hepatocyte Growth Factor Can Indicate Cardiac Involvement in Light Chain and Transthyretin Amyloidosis

Kathleen Zhang, Aldi Kraja, Jennifer Miao, Kelsey Tomasek, Yan Ru Su, Daniel Lenihan, Washington University in St. Louis, St. Louis, MO, USA, Vanderbilt University, Nashville, TN, USA

506 - Re-Evaluation of Race and Ethnicity With Adverse Outcomes in Heart Failure

Samuel T. Savitz, Grace H. Tabada, Sue Hee Sung, Thomas Leong, Keane Lee, Jamal Rana, Alan S. Go, Kaiser Permanente Division of Research, Oakland, CA, USA

507 - Energy Loss by Vector Flow Mapping Is Associated With Symptom Severity and Serum Biomarkers in Heart Failure Patients With Reduced Ejection Fraction

Yuko S. Soyama, Nobuyuki Kagiya, Masataka Sugahara, Justin Vader, John Gorcsan, Washington University in St. Louis, Saint Louis, MO, USA

508 - Long-Term Follow-Up of Reduced Ejection Fraction Heart Failure Patients Receiving Autonomic Regulation Therapy in the ANTHEM-HF Pilot Study

Rajendra K. Premchand, Kamal Sharma, Sanjay Mittal, Rufino Monteiro, Imad Libbus, Lorenzo DiCarlo, Jeffrey Ardell, Badri Amurthur, Bruce Kenknight, Inderjit Anand, LivaNova USA, Inc., Houston, TX, USA

509 - Comparison of Background Pharmacologic Therapy in the ANTHEM-HF Pilot Study to Contemporary Trials of Novel Heart Failure Therapies

Rajendra K. Premchand, Kamal Sharma, Sanjay Mittal, Rufino Monteiro, Imad Libbus, Jeffrey Ardell, Bruce Kenknight, Badri Amurthur, Lorenzo DiCarlo, Inderjit Anand, LivaNova USA, Inc., Houston, TX, USA

510 - Quantitative Assessment of Transient Heart Rate Dynamics in Patients Exposed to Chronic Autonomic Regulation Therapy Provides Evidence of Durable Neuromodulation Resulting From Cyclic Stimulation of Vagus Nerve

Imad Libbus, Scott T. Mazar, Badri Amurthur, Lorenzo DiCarlo, Bruce Kenknight, LivaNova USA, Inc., Houston, TX, USA

531 - Dysglycemia, Ejection Fraction, and the Risk of Heart Failure or Cardiovascular Death in Patients With Type 2 Diabetes and a Recent Acute Coronary Syndrome

Sung-Hee Shin, Brian Claggett, Marc Pfeffer, David Aguilar, Rafael Diaz, Kenneth Dickstein, Hertz Gerstein, Lars Kober, Francesca Lawson, Eldrin Lewis, Aldo Maggioni, John McMurray, Jeffrey Probstfield, Matthew C. Riddle, Jean Claude Tardif, Scott Solomon, Brigham and Women's Hospital, Boston, MA, USA

532 - Neutrophil Gelatinase-Associated Lipocalin Provides Additional Prognostic Utility to High-Sensitivity Cardiac Troponin I in Acute Heart Failure

Jeremy Kong, Yu Horiuchi, Nicholas Wettersten, Patrick Murray, Alan Maisel, University of California San Diego, San Diego, CA, USA

533 - Prognostic Significance of Heart Rate Turbulence Parameters in Patients With Noncompaction Cardiomyopathy

Baris Bugan, Elif Cekirdekci, Dr. Suat Günsel University of Kyrenia Hospital, Kyrenia, Cyprus

534 - Sacubitril-Valsartan Versus Angiotensin Converting Enzyme Inhibitors or Angiotensin Receptor Blockers in Systolic Heart Failure: Comparative Outcomes in Clinical Practice

Nicholas Tan, Lindsey Sangaralingham, Jeson Sangaralingham, Xiaoxi Yao, Nilay Shah, Shannon Dunlay, Mayo Clinic, Rochester, MN, USA





535 - Low Urine Sodium Predicts Length of Stay But Not Response to Dopamine or Nesiritide in Hospitalized Patients With Acute Heart Failure and Renal Dysfunction

Jonathan Cunningham, Jie Sun, Kevin Anstrom, JoAnn Lindenfeld, Michael Givertz, Lynne Stevenson, Neal Lakdawala, Brigham & Women's Hospital, Boston, MA, USA, Duke Clinical Research Institute, Durham, MA, USA

536 - Substance Abuse and Risk of Hospitalization For Heart Failure

Isac Thomas, Harpreet Bhatia, Marin Nishimura, Janet Ma, Stephen Dickson, Laith Alshwabkeh, Eric Adler, Alan Maisel, Michael Criqui, Barry Greenberg, University of California San Diego, La Jolla, CA, USA

537 - Factors Associated With Elevated N-Terminal Pro-Brain Natriuretic Peptide Levels at the Convalescent Stage in Patients With Acute Decompensated Heart Failure With Preserved Ejection Fraction

Bolrathanak Oeun, Daisaku Nakatani, Shungo Hikoso, Takayuki Kojima, Takahisa Yamada, Yoshio Yasumura, Masaaki Uematsu, Yoshiharu Higuchi, Toshiaki Mano, Hisakazu Fuji, Haruhiko Abe, Yusuke Nakagawa, Tomoharu Dohi, Akihiro Sunaga, Hirota Kida, Tetsuhisa Kitamura, Fusako Sera, Kei Nakamoto, Yasushi Sakata, Osaka University Graduate School of Medicine, Suita, Japan

538 - Preclinical Cardiomyopathic Changes in Patients With Duchenne Muscular Dystrophy Detected by Novel Echocardiographic Assessment of Left Ventricular Workload

Takeshi Tsuda, Karen B. O'Neil, Amy Walczak, Kirk Hoffman, Alfred I. duPont Hospital for Children, Wilmington, DE, USA

539 - Aortic Root/Ascending Aortopathy in Hypertrophic Cardiomyopathy Patients Undergoing Cardiac Magnetic Resonance

Benjamin Sarac, Amgad Mentias, Pejman Raeisi-Giglou, Kevin Hodges, Zoran Popovic, Maran Thamilarasan, Harry Lever, Eric Roselli, Nicholas Smedira, Milind Desai, Cleveland Clinic Foundation, Cleveland, OH, USA

540 - Incidence, Timing, and Predictor of Subclinical Myocardial Damage After Low-to-Moderate Dose of Anthracycline Chemotherapy in Patients With Breast Cancer

Kenji Nakatsuma, Neiko Ozasa, Mikiko Ohono, Hiroshi Ishiguro, Manabu Minami, Takafumi Yokomatsu, Eiichiro Nishi, Masakazu Toi, Takeshi Kimura, Mitsubishi Kyoto Hospital, Kyoto, Japan, Kyoto University, Kyoto, Japan

541 - Prescription Opioids Increase Risk of 30-Day All-Cause Readmissions in Patients With Heart Failure

Brian Allen, Nabeel Saghir, Eric Meyers, Clay Cauthen, Dell Medical School, Austin, TX, USA

542 - Intensive Outpatient Clinic Reduces Readmissions For Heart Failure Patients With Benefit at 1-Year

Brian Allen, Nabeel Saghir, Eric Meyers, Jeffrey Eaton, Holli Sadler, Mrinalini Kulkarnia-Date, Clay Cauthen, Dell Medical School, Austin, TX, USA

543 - Heart Failure Risk Distribution and Trends in the United States Population From 1999-2014: Results From the National Health and Nutrition Examination Survey

Peter Glynn, Hongyan Ning, Aakash Bavishi, Sanjiv Shah, Clyde Yancy, Donald Lloyd-Jones, Sadiya Khan, Feinberg School of Medicine, Northwestern University, Chicago, IL, USA

544 - Baseline Right Ventricular Function Is Associated With Reduced Need of Diuretics in Patients With Heart Failure With Improved Ejection Fraction

June Kampangkaew, Tyler Moran, Vijay Nambi, Anita Deswal, Arunima Misra, Baylor College of Medicine, Houston, TX, USA

546 - Baseline Echocardiographic Parameters to Predict Cardiotoxicity in Breast Cancer Patients Receiving Chemotherapy

Omid Amidi, Teodora Donisan, Dinu Balanescu, Saamir Hassan, Cezar Iliescu, Juan Lopez-Mattei, Jose Banchs, Nicolas Palaskas, MD Anderson Cancer Center, Houston, TX, USA, Baylor College of Medicine, Houston, TX, USA

547 - Polypharmacy Increases in Prevalence and Severity Following a Heart Failure Hospitalization

Ozan Unlu, Tina Dharamdasani, Alexi Archambault, Ivan Diaz, Ligong Chen, Emily Levitan, Joseph Hanlon, Mathew Maurer, Mark S. Lachs, Monika Safford, Parag Goyal, Weill Cornell Medicine, New York, NY, USA

548 - Predictors of In-Hospital Mortality Among 17,034 Patients With Myocarditis: Insights From the Nationwide Inpatient Sample

Barbara Anna Danek, Aris Karatasakis, Adamantios Tsangaris, Monali Patel, Shuaib Abdullah, Subhash Banerjee, Emmanouil Brilakis, Rutgers New Jersey Medical School, Newark, NJ, USA

549 - Sacubitril/Valsartan Reduces Readmissions and Improves Ejection Fraction in Patients With Chronic Systolic Heart Failure in the Cincinnati Mercy Health System

Lynne Wagoner, Victoria Walton, Rebecca Blanton, Rosann Giesting, Karen Heflerich, Kelly Valen, Mercy Heart Institute, Cincinnati, OH, USA

550 - Mortality Risk After Heart Failure Diagnosis in HIV Patients

Robert W. Colbert, Suman Kundu, Meredith Stevenson Duncan, Kaku So-Armah, Matthew S. Freiberg, on behalf of the VACS Project Team, Vanderbilt University Medical Center, Nashville, TN, USA

551 - Predictors and Impact of Atrial Fibrillation on Hypertrophic Obstructive Cardiomyopathy-Related Hospitalizations: Insights From the Nationwide Inpatient Sample (2007-2014)

Rupak Desai, Sandeep Singh, Rushikumar Bhuvu, Upenkumar Patel, Sonu Gupta, Dipen Zalavadia, Manan N. Vyas, Arpit Sothwal, Rajesh Sachdeva, Gautam Kumar, Morehouse School of Medicine, Atlanta, GA, USA, Atlanta VA Medical Center and Emory University School of Medicine, Atlanta, GA, USA

552 - Echocardiographic and Electrocardiographic Predictors of Transthyretin Cardiac Amyloidosis

Alberta L. Warner, Shadia Hamideh, Fariba Fazeli, Gholam Berenji, Zunera Ghaznavi, VA Greater Los Angeles, Los Angeles, CA, USA, University of California Los Angeles (UCLA), Los Angeles, CA, USA

553 - Clinical Characteristics of Peripartum Cardiomyopathy Compared to Preeclampsia

Ali Alkhatru, Bassman Tappuni, Belal Kaseer, Freidoon Ghazi, John Wilson, Kathleen Smith, William Schnettler, Jenni Steinbrunner, Kamal Shemisa, Good Samaritan Hospital, Cincinnati, OH, USA

554 - Traditional Chinese Medicine For Heart Failure Admissions in Western Medicine Hospitals in China: Analysis From the China PEACE Retrospective Heart Failure Study

Yuan Yu, Erica Spatz, Harlan M. Krumholz, Jing Li, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, People's Republic of China, National Center for Cardiovascular Diseases, Beijing, People's Republic of China

555 - Association of Atrial Fibrillation and Outcomes in Older Patients With Heart Failure With Preserved and Reduced Ejection Fraction (HFpEF and HFrEF)

Apostolos Tsimploulis, Charles Faselis, Ioannis Kanonidis, Eric Rashba, Steven Singh, Prakash Deedwania, Gurusher Panjrat, Richard Allman, Gregg Fonarow, Ali Ahmed, Veterans Affairs Medical Center, Washington, DC, USA, Stony Brook University Hospital, Stony Brook, NY, USA



556 - Pattern of  $\beta$ -Blocker Use Following Hospitalization of Older Adults With Heart Failure With Preserved Ejection Fraction (HFpEF) From the REGARDS Study

Brian Yum, Alexi Archambault, Jerard Kneifati-Hayek, Ligong Chen, Emily Levitan, Mark Lachs, Mathew Maurer, Monika Safford, Parag Goyal, Weill Cornell Medicine, New York, NY, USA, University of Alabama at Birmingham, Birmingham, AL, USA

557 - Cardiotoxicity Phenotypes in Women Treated With Anthracyclines and Trastuzumab For Early Stage Breast Cancer

Mark T. Nolan, Mustafa Abdul Selam, Eitan Amir, Anne Koch, Paul Yip, Maria Michalowska, Bernd Wintersperger, Paaladinesh Thavendiranathan, Peter Munk Cardiac Centre, Toronto, Canada

558 - Inclusion of Left Atrial Strain Evaluation With the "H<sub>2</sub>Fpef Score" Enhances Diagnostic Accuracy For Heart Failure With Preserved Ejection Fraction

Louise Segan, Anna Beale, Fernando Telles, Shona Evans, David Kaye, Shane Nanayakkara, Alfred Hospital, Melbourne, Australia, Baker Heart and Diabetes Institute, Melbourne, Australia

559 - Echocardiographic Myocardial Strain Imaging and Troponin T For Early Detection of Cardiotoxicity in Patients Receiving Anthracyclines

Kazuko Tajiri, Hiroko Bando, Nobutaka Tasaka, Shigeru Chiba, Kazutaka Aonuma, Ikuo Sekine, Masaki Ieda, University of Tsukuba, Tsukuba, Japan

560 - Lymphopenia as a Predictor For Survival in LVAD Patients

Kristin Stawiarski, Olayinka Agboola, Daniel Jacoby, Ayyaz Ali, Lavanya Bellumkonda, Tariq Ahmad, Lissa Sugeng, Gerard McCloskey, Michael Chen, Arnar Geirsson, Pramod Bonde, Muhammad Anwer, Yale School of Medicine, New Haven, CT, USA, Yale New Haven Health Bridgeport Hospital, Bridgeport, CT, USA

561 - Home AEDs For Children With Cardiac Conditions Associated With Intermediate Risk For Sudden Cardiac Death: A Cost-Effectiveness Analysis

Meredith Boulos, Alyssa Hersh, David Toffey, James Sargent, Eric Stecker, Stephen Heitner, Aaron Caughey, Seshadri Balaji, Oregon Health and Science University, Portland, OR, USA

562 - Trends, Outcomes, and Readmissions Among Left Ventricular Assist Device Recipients With Acute Kidney Injury Requiring Hemodialysis: An Insight From the National Readmissions Database 2012-2014

Alexandros Briasoulis, Oluwale Adegba, Dinesh Voruganti, Chakradhari Inampudi, Paulino Alvarez, University of Iowa, Iowa City, IA, USA

563 - Angiotensin-Converting Enzyme Inhibitors/Angiotensin Receptor Blockers in Elderly Patients With Left Ventricular Systolic Dysfunction and Advanced Chronic Kidney Disease: Danger or Benefit?

Juan Martinez Milla, Marcelino Cortes, Ana Lucia Rivero Monteagudo, Marta Lopez Castillo, Ana Devesa, Mikel Taibo Urquia, Maria Luisa Martin Mariscal, Sem Briongos-Figuero, Juan Antonio Franco Pelaez, José Tunon, Hospital Universitario Fundación Jiménez Díaz, Madrid, Spain

564 - Qrs Fragmentation: A Possible New Marker of Edema and Fibrosis in Myocarditis

Paolo Ferrero, Isabelle Piazza, Aurelia Grosu, Paolo Brambilla, Michele Senni, ASST-PG23, Bergamo, Italy

565 - Long-Term Prognostic Significance of Admission Tricuspid Regurgitant Pressure Gradient in Hospitalized Heart Failure Patients With Preserved Ejection Fraction: A Report From Japanese Real-World Multicenter Registry

Kazunori Omote, Toshiyuki Nagai, Kiwamu Kamiya, Tadao Aikawa, Yoshiya Kato, Hirokazu Komoriyama, Hiroyuki Iwano, Kazuhiro Yamamoto, Tsutomu Yoshikawa, Yoshihiko Saito, Toshihisa Anzai, Hokkaido University Graduate School of Medicine, Sapporo, Japan

566 - The Subclinical Hypothyroid State Might Predict 30-Day Readmission in Patients With an Acute Heart Failure Syndrome and Reduced Left Ventricular Ejection Fraction

Muhammad Saad, Anders Lacoste, Pooja Balar, Timothy Vittorio, Bronxcare Hospital Center, Bronx, NY, USA, Bronxcare Network, Bronx, NY, USA

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

**Heart Failure and Cardiomyopathies: Therapy 2**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

511 - A Meta-Analysis of Cardioprotective Agents in Preventing Cancer Therapy-Related Cardiotoxicity

Rahul Bhansali, Nicole Prabhu, Lolita Golemi, Tochi Okwuosa, Sameer Saleem, Presence Saint Joseph Hospital, Chicago, IL, USA, University of Illinois at Chicago, Chicago, IL, USA

512 - Impact of Less Invasive Ventricular Enhancement™ (Live™) Compared to Optimal Medical Therapy on Cardiac Output in Patients With HFrEF - Preliminary Results of a 12-Month Multi-Center CMR Trial

Felix Hennig, Lukas Stoiber, Tomas Lapinskas, Seyedeh Mahsa Zamani, Christoph Klein, Christoph Schmitz, Christoph Knosalla, Lon Annest, David Schickling, Volkmar Falk, Burkert Pieske, Sebastian Kelle, German Heart Institute Berlin, Berlin, Germany, Charité University Medicine Berlin, Berlin, Germany

513 - Improved Survival of Patients With Transthyretin Amyloid Cardiomyopathy With Inotersen (TTR Specific Antisense Oligonucleotide)

Noel Rakhi Dasgupta, Merrill Benson, Indiana University, Indianapolis, IN, USA

514 - Aggressive Sodium Restriction in Chronic Heart Failure: 6g Versus 3g a Randomized Study

Haruki Sekiguchi, Ken Kobayashi, Makiko Kimura, Tatsuya Fukushima, Atsushi Suzuki, Tsuyoshi Shiga, Nobuhisa Hagiwara, Tokyo Women's Medical University, Tokyo, Japan

515 - Patients With Takotsubo Cardiomyopathy Have Higher Prevalence of Depression and Anxiety Than Patients With Acute Coronary Syndrome: From the National Inpatient Sample

Ashraf Abugroun, Fady Iskander, Osama Hallak, Mina Iskander, Lloyd W. Klein, Advocate Illinois Masonic Medical Center, Chicago, IL, USA

516 - MitraClip Plus Optimal Medical Therapy Versus Optimal Medical Therapy Alone For Functional Mitral Regurgitation: A Meta-Analysis

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

517 - Effect of Dapagliflozin on Left Ventricular Diastolic Function of Patients With Type 2 Diabetic Mellitus With Chronic Heart Failure

Fumitaka Soga, Hidekazu Tanaka, Kazuhiro Tatsumi, Yasuhide Mochizuki, Hiroyuki Sano, Hiromi Toki, Kensuke Matsumoto, Junya Shite, Hideyuki Takaoka, Tomofumi Doi, Ken-Ichi Hirata, Kobe University Graduate School of Medicine, Kobe, Japan

518 - Effects of Patisiran, an RNA Interference Therapeutic, on Regional Left Ventricular Myocardial Deformation in Hereditary Transthyretin Amyloidosis: The APOLLO Study

Masatoshi Minamisawa, David Adams, Arnt Kristen, Giampaolo Merlini, Michel S. Slama, Angela Dispenzieri, Rodney H. Falk, Verena Karsten, Marianne Sweetser, Jihong Chen, Richard Riese, John Vest, Scott Solomon, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA



519 - Outcomes Associated With Different Treatment Patterns Among Patients Hospitalized With Acute Heart Failure and Reduced Ejection Fraction in the United States

Lei Chen, Raluca Ionescu-Iltu, Rebecca Burne, Sherry Shi, Annie Guerin, Eric Wu, Maria Borentain, Paul Kessler, Mary DeSouza, Aylin Tugcu, G. Michael Felker, Bristol Myers Squibb, Princeton, NJ, USA, Duke University School of Medicine, Durham, NC, USA

520 - Right Ventricular Pressure Is Associated With Post-Left Ventricle Assist Device Implantation Changes in Diffusion Capacity of Lungs For Carbon Monoxide (DLCO)

Pavol Sajgalik, Chul-Ho Kim, Saki Ito, Brian Lahr, Courtney Wheatley, Sudhir Kushwaha, John Stulak, Alfredo Clavell, Bruce Johnson, John Schirger, Mayo Clinic, Rochester, MN, USA

521 - Does Non-Invasive Cardiac Output Monitoring (NICOM) Correlate With Standard Invasive Hemodynamic Monitoring in Patients With Acute Decompensated Heart Failure?

Aniket Rali, Tyler Buechler, Bridget Van-Gotten, Emily Burgen, John Chen, Zubair Shah, Nicholas Haglund, Andrew Sauer, University Of Kansas Medical Center, Kansas City, KS, USA

522 - Left Ventricular Support in VA-ECMO: National Trends and Outcomes (2007-2014)

Aniket Rali, Nilay Patel, Venkat Vuddanda, Travis Abicht, Nicholas Haglund, Andrew Sauer, Zubair Shah, The University of Kansas Health System, Kansas City, KS, USA

523 - Elamipretide Reduces the Burden For Induction of Apoptosis in Skeletal Muscle of Dogs With Chronic Heart Failure

Hani N. Sabbah, Ramesh C. Gupta, Kefei Zhang, Jiang Xu, Vinita Singh-Gupta, Henry Ford Hospital, Detroit, MI, USA

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

**Heart Failure and Cardiomyopathies: Basic 2**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

524 - Doxorubicin Directly Induced Fibrotic Change of Cardiac Fibroblasts and Matrix Metalloproteinase-1

Masatoshi Narikawa, Masanari Umemura, Ryo Tanaka, Tomoaki Ishigami, Koichi Tamura, Yoshihiro Ishikawa, Yokohama City University Graduate School of Medicine, Yokohama, Japan

525 - Hydrostatic Pressure Suppressed Cardiac Fibrosis Via Akt Signaling in Human Cardiac Fibroblasts

Masanari Umemura, Ryo Tanaka, Masatoshi Narikawa, Yoshihiro Ishikawa, Yokohama City University Graduate School of Medicine, Yokohama, Japan, Japan

526 - High-Fat High-Carbohydrate Diet Accelerates Left-Ventricular Dysfunction Faster Than High-Fat Diet Alone Via Increasing Mitochondrial Dysfunction in Obese-Insulin Resistant Rats

Nattavaporn Apaijai, Apiwan Arinno, Siripong Palee, Wasana Pratchayasakul, Sasiwan Kerdphoo, Thidarat Jaiwongkam, Titikorn Chunchai, Siriporn Chattipakorn, Nipon Chattipakorn, Cardiac Electrophysiology Research and Training Center, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand

527 - Pathogenic Insights Into the Cardiorenal Syndrome in Heart Failure With Preserved Ejection Fraction

Albin Oh, Maria Valero-Munoz, Flora Sam, Boston Medical Center, Boston, MA, USA

528 - Hypertension Is Strongly Associated With Baroreceptor Reflex Dysfunction

Mansoor Ahmad, Jay Patel, Mohammad U. Ehsan, Barry S. Clemson, Sudhir Mungee, Sanjiv Shah, UIC, Peoria, IL, USA

529 - PPP1R12C Regulates Myocardial Contractility Through Dephosphorylation of Atrial Myosin Light Chain

Srikanth Perike, Katherina Alsina, Arvind Sridhar, Andrielle Capote, Jody Marin, Beata Wolska, Xander Wehrens, Dawood Darbar, Mark McCauley, University of Illinois at Chicago, Chicago, IL, USA

530 - Myocardial Cell Tension Drives Population Distribution in Sickness and in Health

Robert W. W. Biederman, Mark Doyle, Geetha Rayarao, Allegheny General Hospital, Pittsburgh, PA, USA

### Interventional Cardiology - Poster Contributions Session #1150

**Interventional Cardiology: Carotid and Endovascular Intervention 1**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

001 - Ultrasound Evaluation of the Diameter of Pedal Arteries in Patients With High Prevalence of Peripheral Arterial Disease: Pedal First

Rajveer Sanger, Alexander Morse, Kintur Sangvhi, Deborah Heart & Lung Center, Browns Mills, NJ, USA

002 - The Association of Preoperative Characteristics With the Reintervention Risk in Patients Undergoing Revascularization For Critical Limb Ischemia

Osamu Iida, Mitsuyoshi Takahara, Yoshimitsu Soga, Akio Kodama, Hiroto Terashi, Toshiaki Mano, Nobuyoshi Azuma, Kansai Rosai Hospital, Amagasaki City, Japan

003 - Thirty-Day Readmission Rates of Carotid Endarterectomy Versus Carotid Artery Stenting: A Nationwide Analysis

Varunsiri Atti, Sushruth Edla, Varun Kumar, Byomesh Tripathi, Nileshkumar Patel, Mark Terence Mujer, Srikanth Yandrapalli, Nikhil Nalluri, Vikramaditya Samala Venkata, Saroj Neupane, Howard Rosman, Rajendra Mehta, Michigan State University, Lansing, MI, USA, St John Hospital and Medical Center, Detroit, MI, USA

004 - Renal Denervation For Resistant Hypertension in the Contemporary Era: A Systematic Review and Meta-Analysis

Pradyumna Agasthi, Justin Shipman, Reza Arsanjani, Moses Ashukem, Marlene E. Girardo, Charan Yerasi, Nithin R. Venepally, Floyd Fortuin, Farouk Mookadam, Mayo Clinic, Phoenix, AZ, USA

005 - Comparison of Balloon Angioplasty and Stenting For Femoropopliteal Lesion in Today's Real-World Practice

Norihiro Kobayashi, Yoshiaki Ito, Keisuke Hirano, Motoharu Araki, Masahiro Yamawaki, Saiseikai Yokohama-City Eastern Hospital, Yokohama, Japan

006 - Fractional Flow Reserve Measurement and Future Restenosis After Balloon Angioplasty For Femoropopliteal Lesion

Norihiro Kobayashi, Yoshiaki Ito, Keisuke Hirano, Motoharu Araki, Masahiro Yamawaki, Saiseikai Yokohama-City Eastern Hospital, Yokohama, Japan

### Interventional Cardiology - Poster Contributions Session #1151

**Interventional Cardiology: Complex Patients/Comorbidities 2**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**



007 - Effect of Systemic Inflammation on Outcomes After Complex Percutaneous Coronary Intervention

Anton Camaj, Gennaro Giustino, Bimmer Claessen, Tim Hinohara, Usman Baber, Melissa Aquino, Paul Guedeney, Sabato Sorrentino, Deborah Kalkman, Birgit Vogel, Serdar Farhan, Srushti Shah, Nitin Barman, Pooja Vijay, Jason Kovacic, Joseph Sweeny, George Dangas, Annapoorna Kini, Roxana Mehran, Samin Sharma, Icahn School of Medicine at Mount Sinai, New York, NY, USA

008 - Trends in Hospitalizations and In-Hospital Outcomes of Cardiac Sarcoidosis in the United States From 2002 - 2014: A Population-Based Study  
Mohamad Soud, Yasser Al-Khadra, Homam Moussa Pacha, Fahed Darmoch, M. Chadi Alraies, MedStar Washington Hospital Center, Washington, VA, USA, Wayne State University School of Medicine, Detroit, MI, USA

009 - Utility of Cardiac Magnetic Resonance For Predicting Suitability of Native Right Ventricular Outflow Tract Dimensions in Patients Undergoing Attempted Trans-Catheter Pulmonary Valve Replacement  
Keyur Mehta, Tacy Downing, Nao Sasaki, Joshua Gruber, Juan Carlos Muniz, Nicklaus Children's Hospital, Miami, FL, USA

010 - Impact of Renal Transplantation on Clinical Outcomes After Percutaneous Coronary Intervention  
Natsuko Satomi, Masashi Nakao, Suguru Ebihara, Kazuki Tanaka, Hisao Otsuki, Junichi Yamaguchi, Nobuhisa Hagiwara, Tokyo Women's Medical University Hospital, Tokyo, Japan

011 - Impact of the Clinical Syntax Score on 5-Year Clinical Outcomes After Percutaneous Coronary Intervention From SHINANO Registry  
Daisuke Kashiwagi, Takashi Miura, Hisanori Yui, Shusaku Mruyama, Chie Nakamura, Ayumu Nagae, Takahiro Sakai, Keisuke Senda, Tamon Kato, Tatsuya Saigusa, Soichiro Ebisawa, Ayako Okada, Hirohiko Motoki, Koichiro Kuwahara, Shinshu University, Matsumoto, Japan

012 - Acute and Long-Term Outcomes For Patient With Ostial Left Anterior Descending Artery Stenting  
Osama Essam ElKhateeb, Sunil Thambi, Hussein Beydoun, Helen Bishop, Lawrence Title, QEII Health Science Center, Halifax, Canada, Dalhousie University, Halifax, Canada

013 - Impact of Chronic Thrombocytopenia on Clinical Outcomes After Transcatheter Valvular Interventions and Cardiac Devices Implantations (Propensity Matched Analysis of the National Inpatient Sample)  
Mohamed Shokr, Oluwale Adegba, Mohammed Saleh, Ahmed S. Yassin, Hossam Abubakar, Ahmed Subahi, Mustafa Ajam, Omar Chehab, Abdelrahman Ahmed, Mohit Pahuja, Said Ashraf, Tomo Ando, Randy Lieberman, Luis Afonso, Detroit Medical Center/Wayne State University, Detroit, MI, USA

014 - Impact of History of Cerebro-Vascular Disease to the Long-Term Outcomes After Percutaneous Coronary Intervention: Insights From the SHINANO 5 Years Registry  
Chie Nakamura, Soichiro Ebisawa, Takashi Miura, Keisuke Senda, Minami Taki, Masanori Kobayashi, Masafumi Kanai, Yukari Okuma, Takashi Yanagisawa, Naoto Hashidume, Kyuhachi Otagiri, Kyoko Shoin, Noboru Watanabe, Kenichi Karube, Hiroyuki Nakajima, Tatsuya Saigusa, Yusuke Miyashita, Hisanori Yui, Shusaku Maruyama, Daisuke Kashiwagi, Ayumu Nagae, Ayako Okada, Hirohiko Motoki, Koichiro Kuwahara, Shinshu University School of Medicine, Matsumoto, Japan

### Interventional Cardiology - Poster Contributions Session #1152

**Interventional Cardiology: Coronary Intervention: Devices 2**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

015 - Outcomes of Resuscitative Extracorporeal Membrane Oxygenation in the Cardiac Catheterization Laboratory  
Christopher Parr, Rajat Sharma, Brett Hiebert, Rakesh C. Arora, Rohit Singal, Kunal Minhas, University of Manitoba, Winnipeg, Canada

016 - Two-Year Results After Implantation of an Ultrathin, Bioresorbable Polymer Sirolimus-Eluting Coronary Stent Compared to a Thin, Durable Polymer Everolimus-Eluting Stent: Health Economic Evaluation  
Soeren Mattke, Mark Hanson, Anissa C. Dallmann, Marc Bentele, Benecit Research, Newton, MA, USA

017 - Feasibility and Safety of Orbital Atherectomy For the Treatment of In-Stent Restenosis  
Saroj Neupane, Mir Basir, Christina Tan, Mishel Tabaku, Mohammad Alqarqaz, Akshay Khandelwal, William O'Neill, Creighton Don, Khaldoon Alaswad, Henry Ford Health System, Detroit, MI, USA, University of Washington, Seattle, WA, USA

018 - Vessel Preparation Improves Drug Eluting Stent (DES) Expansion Parameters Versus Direct Coronary Stenting in Non-Complex Lesions as Assessed by High-Resolution Optical Coherence Tomography (OCT)  
Murtaza Ismail Bharmal, Alexandru Marginean, James Lloyd, Hitoshi Matsukage, Farah Hashim, Kent Brummel, Anthony Kanelidis, John Blair, Jonathan Paul, Atman Shah, Sandeep Nathan, University of Chicago, Chicago, IL, USA

019 - In-Hospital Outcomes of Orbital Versus Rotational Atherectomy Interventions For Treatment of Coronary Artery Disease  
Abdallah Mansour, Haytham Allaham, Fares Alahdab, Senan Yasar, Kul Aggarwal, Obai Abdullah, University of Missouri-Columbia, Columbia, MO, USA

020 - Early Vascular Response After Biodegradable-Polymer Sirolimus-Eluting Stent Implantation in ST Elevation Myocardial Infarction: Sub-Analysis of MECHANISM-ULTIMASTER Trial  
Takumi Kimura, Tomonori Itoh, Masaru Ishida, Hiromasa Otake, Yoshihiro Morino, Iwate Medical University, Morioka, Japan

021 - Long Term Clinical Outcome of a Novel Sirolimus-Eluting Coronary Stent With Unique Coating Technology in Patients With Diabetes  
Luca Testa, Sameer Dani, IRCCS Policlinico S. Donato, Milan, Italy, Life Care Institute of Medical Sciences & Research & Apollo Hospitals International Limited, Ahmedabad, India

022 - Long-Term Clinical Outcome in Real-World Patients Treated With a Novel Abluminal Coated Sirolimus-Eluting Stent With Unique Fusion Coating  
Sameer Dani, Life Care Institute of Medical Sciences & Research & Apollo Hospitals International Limited, Ahmedabad, India

023 - Long Term Clinical Outcome of a Novel Sirolimus-Eluting Coronary Stent in Patients With Acute Coronary Syndrome  
Sameer Dani, Life Care Institute of Medical Sciences & Research & Apollo Hospitals International Limited, Ahmedabad, India

024 - Differences in Outcomes Following Bare Metal or Drug Eluting Stent Placement Before Transcatheter Aortic Valve Replacement in the Elderly  
Tamunoinemi Bob-Manuel, Rikin Kadakia, Vinod Chainani, Tameem Rezan, David Knopf, Russell Riehl, David Gachoka, James Jenkins, Stephen Ramee, Jose Tafur Soto, Ochsner Clinic Foundation, New Orleans, LA, USA



025 - Robotically-Assisted Versus Manual Percutaneous Coronary Intervention: A Systematic Review and Meta-Analysis

Joseph Allencherril, [Daniel Hyman](#), Hani Jneid, Asad Loya, Mahboob Alam, Baylor College of Medicine, Houston, TX, USA

026 - In-Hospital Outcomes of Percutaneous Ventricular Assist Device (PVAD) Versus Intraaortic Balloon Pump Support (IABP) in Infarction-Related Cardiogenic Shock Complicated by Atrial Fibrillation: A Propensity-Matched Analysis of the National Inpatient Sample (NIS)

Rupak Desai, [Sonu Gupta](#), Abhishek Deshmukh, Saraschandra Vallabhajosyula, Bhrugesh Shah, Gautam Kumar, Adam Berman, Rajesh Sachdeva, Morehouse School of Medicine and Emory University School of Medicine, Atlanta, GA, USA, Medical College of Georgia at Augusta University, Augusta, GA, USA

### Interventional Cardiology - Poster Contributions Session #1153

**Interventional Cardiology: IVUS and Intravascular Physiology 2**  
Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

027 - The Role of Dobutamine in the Hemodynamic Assessment of Myocardial Bridging: Correlations Between Stress-Induced Myocardial Ischemia, Fractional Flow Reserve and Quantitative Coronary Angiography Measurements

[Srdjan Aleksandric](#), Ana Djordjevic-Dikic, Milan Dobric, Jelena Stepanovic, Vojislav Giga, Marko Banovic, Vladan Vukcevic, Miloje Tomasevic, Sinisa Stojkovic, Dejan Orlic, Jovica Saponjski, Milan Nedeljkovic, Goran Stankovic, Miodrag Ostojic, Branko Beleslin, Clinical Center of Serbia, Belgrade, Serbia and Montenegro, Faculty of Medical Sciences, Kragujevac, Serbia and Montenegro

028 - Impact of Intravascular Ultrasound-Guided Percutaneous Coronary Intervention on Long-Term Clinical Outcomes in Patients With Complex Coronary Artery Lesion

[Young Bin Song](#), Ki Hong Choi, Samsung Medical Center, Seoul, South Korea

029 - Retrospective Assessments of Intra- and Inter-Rater Reliability of Quantitative Flow Ratio

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

030 - Relationship Between the Presence of Lipid Detected by Near-Infrared Spectroscopy and Stenosis Severity in Terms of Anatomy and Function  
[Masahiro Hada](#), Masahiro Hoshino, Tomoki Horie, Haruhito Yuki, Hidenori Hirano, Yoshinori Kanno, Hiroaki Ohya, Yohei Sumino, Masao Yamaguchi, Yoshihisa Kanaji, Akinori Sugano, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

031 - Diagnostic Performance of Angiography-Based Fractional Flow Reserve in Subgroups: Report From the FAST-FFR Study

[Yuhei Kobayashi](#), Carlos Collet, Stephan Achenbach, Thomas Engstrom, Abid Assali, Richard Shlofmitz, Allen Jeremias, Stephane Fournier, Ajay Kirtane, Ran Kornowski, Gabriel Greenberg, Rami Jubeh, Daniel Kolansky, Thomas McAndrew, Ovidiu Dressler, Akiko Maehara, Mitsuaki Matsumura, Martin Leon, Bernard De Bruyne, William Fearon, Stanford University, Stanford, CA, USA

032 - Determinants of Discordance Between Fractional Flow Reserve and Diastolic Pressure Ratio in Angiographically Intermediate Coronary Stenosis  
[Yohei Sumino](#), Masahiro Hoshino, Tomoki Horie, Haruhito Yuki, Hidenori Hirano, Yoshinori Kanno, Hiroaki Ohya, Masahiro Hada, Masao Yamaguchi, Yoshihisa Kanaji, Akinori Sugano, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

033 - Optical Coherence Tomography-Defined Plaque Instability Associated With Coronary Flow Capacity Classified With Pressure-Temperature Sensor-Tipped Wire

[Hiroaki Ohya](#), Eisuke Usui, Tomoki Horie, Haruhito Yuki, Hidenori Hirano, Yoshinori Kanno, Masahiro Hada, Yohei Sumino, Masao Yamaguchi, Masahiro Hoshino, Yoshihisa Kanaji, Akinori Sugano, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

034 - Functional Classification Discordance in Intermediate Coronary Stenoses Between Fractional Flow Reserve and Angiography-Based Quantitative Flow Ratio

[Yoshinori Kanno](#), Masahiro Hoshino, Akinori Sugano, Yoshihisa Kanaji, Masao Yamaguchi, Yohei Sumino, Hiroaki Ohya, Masahiro Hada, Hidenori Hirano, Haruhito Yuki, Tomoki Horie, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

035 - Prognostic Value of Contrast-Flow Quantitative Flow Ratio in Patients With Revascularization Deferral Based on Preserved Fractional Flow Reserve

[Yoshinori Kanno](#), Masahiro Hoshino, Akinori Sugano, Yoshihisa Kanaji, Masao Yamaguchi, Yohei Sumino, Hiroaki Ohya, Masahiro Hada, Hidenori Hirano, Haruhito Yuki, Tomoki Horie, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

036 - Optical Coherence Tomography-Defined Plaque Vulnerability in Relation to Functional Stenosis Severity Stratified by Fractional Flow Reserve and Contrast Quantitative Flow Ratio

[Yoshinori Kanno](#), Masahiro Hoshino, Akinori Sugano, Yoshihisa Kanaji, Masao Yamaguchi, Yohei Sumino, Hiroaki Ohya, Masahiro Hada, Hidenori Hirano, Haruhito Yuki, Tomoki Horie, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

037 - Predictors of Restenosis After Non-stenting Coronary Intervention With Drug-Coated Balloon Assessed by Optical Coherence Tomography

[Shun Nakagama](#), Taishi Yonetsu, Takayuki Niida, Yuuji Matsuda, Taichi Nakamura, Yu Hatano, Taro Sasaoka, Tomoyuki Umamoto, Tetsumin Lee, Kenzo Hirao, Tokyo Medical and Dental University, Tokyo, Japan

038 - The Influence of Lesion Location and Discordance Pattern Between Instantaneous Wave-Free Ratio and Fractional Flow Reserve

[Shunsuke Aoi](#), Neil Patel, Bora Toklu, Wonkyoung Lee, John Fox, Yumiko Kanei, Mount Sinai Beth Israel, New York, NY, USA

### Interventional Cardiology - Poster Contributions Session #1154

**Interventional Cardiology: Mitral and Structural Heart Disease 2**  
Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

039 - Incidence, Timing, and Predictors of Permanent Pacemaker Placement Following Alcohol Septal Ablation For Hypertrophic Cardiomyopathy

[Matthew Lam](#), Dhaval Kolte, Kevin Kennedy, Srihari Naidu, Dmitriy Feldman, Antony Chu, Herbert Aronow, The Warren Alpert Medical School of Brown University, Providence, RI, USA

040 - Prosthesis-Patient Mismatch Following Edwards SAPIEN 3 Transcatheter Aortic Valve Replacement

[Naddi Marah](#), Ali Agha, Dominique J. Monlezun, Richard Smalling, Prakash Balan, University of Texas Health Science Center, McGovern Medical School, Houston, TX, USA



041 - Left Atrial Appendage Structure in Patients With Atrial Fibrillation in Japan and the United States

Sachiyo Ono, Shunsuke Kubo, Takeshi Maruo, Saibal Kar, Kazushige Kadota, Kurashiki Central Hospital, Kurashiki, Japan

042 - Machine Learning Prediction Models For In-Hospital Mortality After Transcatheter Aortic Valve Implantation Among Racial/Ethnic Minority Populations in the United States

Dagmar F. Hernandez-Suarez, Faraj Kargoli, Pedro Villablanca, Angel Lopez-Candales, Jose Wiley, Pedro Cox-Alomar, Brenda Nieves-Rodriguez, Roberto Feliu-Maldonado, Cristina Sanina, Jovaniel Rodriguez-Maldonado, Ricardo Nieves, Harish Ramakrishna, Abiel Roche-Lima, University of Puerto Rico School of Medicine, San Juan, PR, USA

043 - Transeophageal Echocardiography Complications Associated With Interventional Cardiology Procedures

Afonso Freitas-Ferraz, Josep Rodes-Cabau, Lucia Junquera, Jonathan Beaujoin, Kim O'Connor, Jean-Michel Paradis, Alfredo Ferreira-Neto, Lluís Asmarats, Mathieu Bernier, Quebec Heart & Lung Institute, Laval University, Quebec, Canada

044 - In-Hospital Outcomes After Transcatheter Edge-to-Edge Mitral Valve Repair in Patients With Chronic Kidney Disease: An Analysis From the 2012-2015 National Inpatient Sample

Hemang B. Panchal, Gregg Stone, Helen Parise, Charles Davidson, Martin Leon, Arun Nagabandi, Nirat Beohar, Columbia University at Mount Sinai Medical Center, Miami Beach, FL, USA

045 - The Role of Left Atrial Compliance in the "Hemodynamic-Color Disconnect" in Patients Undergoing MitraClip: Results From a Single Center Registry

Lily Chen, Timothy Jordan, Thomas Smith, Dali Fan, Walter Boyd, Jason Rogers, Gagan Singh, University of California Davis Medical Center, Sacramento, CA, USA

046 - Transthoracic Echocardiography Versus Cardiac Magnetic Resonance For the Assessment of Aortic Regurgitation After Transcatheter Aortic Valve Replacement: A Systematic Review and Meta-Analysis

Anil Kumar Jonnalagadda, Christos A Papanastasiou, Damianos Kokkinidis, Evangelos Oikonomou, Mario Garcia, Theodoros Karamitsos, Medstar Washington Hospital Center, Washington, DC, USA

047 - Mitral Valve Clip Closure Orifices Yield the Same Hemodynamic Results Irrespective of Differences in Area: Implications For Calculation of Mitral Valve Area by Continuity Equation

Sarma Singam, Kendra Grubb, Michael Flaherty, Dana M. Settles, Marcus Stoddard, University of Louisville, Louisville, KY, USA

048 - Percutaneous Mitral Valve Repair With MitraClip For the Management of Functional Mitral Regurgitation

Konstantinos Marmagkiolis, Cezar Iliescu, Abdul Hakeem, Mehmet Cilingiroglu, Pepin Heart Institute, Florida Hospital, Tampa, FL, USA, University of Arkansas, Little Rock, AR, USA

049 - Transcatheter Aortic Valve Replacement Versus Surgical Aortic Valve Replacement in Patients With Rheumatoid Arthritis (Insights From the Nationwide Inpatient Database)

Ayman Elbadawi, Kirolos Barssoum, Ahmed H. Mohamed, Gbolahan Ogunbayo, Islam Elgendy, Hamdy Ahmed, University of Texas Medical Branch, Galveston, TX, USA

050 - Transcatheter Therapy of Residual Mitral Regurgitation After MitraClip Therapy

Hiroki Niikura, Richard Bae, Mario Gossl, Paul Sorajja, Minneapolis Heart Institute Foundation, Abbott Northwestern Hospital, Minneapolis, MN, USA

### Interventional Cardiology - Poster Contributions Session #1155

#### Interventional Cardiology: Coronary Intervention: Left Main, Multivessel, Bifurcation 1

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

051 - Synergistic Impact of Coronary Calcification and Bifurcation Target Lesions on Adverse Cardiovascular Events Following PCI: Insights From a Large Single-Center PCI Registry

Jonathan Murphy, Usman Baber, Melissa Aquino, Nitin Barman, Joseph Sweeny, Roxana Mehran, Asaad Khan, Choudhury Hasan, Vishal Kapur, George Dangas, Nileshkumar Patel, Samin Sharma, Annapoorna Kini, Mount Sinai Hospital, New York, NY, USA

052 - 5-Year Clinical Outcome According to the FFR Value of the LCX After LM Simple Crossover Stenting

Cheol Hyun Lee, Chang-Wook Nam, Seung-Ho Hur, Yun-Kyeong Cho, Hyuck-Jun Yoon, Sang-Woong Choi, Division of Cardiology, Department of Internal Medicine, Keimyung University Dongsan Hospital, Deagu, South Korea

053 - Double Kiss Crush Stenting Has Excellent Outcomes in Patients Undergoing Complex Bifurcation Stenting

Neda Irenji, Kully Sandhu, Sagar Doshi, Jonathan Townend, Peter Ludman, Sohail Khan, Queen Elizabeth Hospital, Birmingham, United Kingdom

054 - Long-Term Mortality With Multivessel Versus Culprit-Lesion-Only Percutaneous Coronary Intervention in Patients With Acute Myocardial Infarction and Cardiogenic Shock: Insights From an Updated Meta-Analysis

Amartya Kundu, Partha Sardar, Rohit Malhotra, Nikolaos Kakouros, Daniel Fisher, University of Massachusetts Medical School, Worcester, MA, USA

056 - Impact of Treatment With Angiotensin-Converting Enzyme Inhibitors or Receptor Blockers on Revascularization After Percutaneous Coronary Intervention and Coronary Artery Bypass Grafting For Left Main Coronary Artery Disease: Analysis From the EXCEL Trial

Shmuel Chen, Bjorn Redfors, Patrick Serruys, A. Kappetein, Aaron Crowley, Ori Ben-Yehuda, Iva Srdanovic, Nicholas Lembo, W. Brown III, Joseph Sabik, Gregg Stone, Cardiovascular Research Foundation, New York, NY, USA

### Interventional Cardiology - Poster Contributions Session #1156

#### Interventional Cardiology: Angiography and Interventional CT/MR 1

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

057 - Use of DyeVert Plus to Reduce Contrast Exposure in High-Risk Patients Undergoing Coronary Angiography

Anandbir Bath, Kalyan Bobba, Shivam Gautam, Vishal Gupta, Ascension Borgess Heart Institute, Kalamazoo, MI, USA

058 - A Prospective Analysis of Contrast Preservation Using Ultra-Low Contrast Delivery Technique Versus Automated Contrast Injector System in Coronary Procedures

Adam T. Stys, Maheedhar Gedela, Udit Bhatnagar, Jeffrey Wilson, Natalia Stys, Terezia Petraskova, Alex Heard, Ben Staum, Valerie Bares, Marian Petrasko, Tadeusz Malinski, Tomasz Stys, Sanford Cardiovascular Institute, Sioux Falls, SD, USA

059 - Fractional Flow Reserve Guided Multi-Vessel Percutaneous Coronary Intervention Versus Angiography-Guided Culprit Lesion Only Percutaneous Coronary Intervention For Acute Coronary Syndromes: A Meta-Analysis

Varun Kohli, Furqan Habib Khattak, Timir Paul, East Tennessee State University, Johnson City, TN, USA



060 - Clinical Utility of CT Fusion Imaging in Guiding Trans-Catheter Paravalvular Leak Closure

Maan Malahfij, Su Min Chang, Nadeen Faza, Ponraj Chinnadurai, Hasan Rehman, John Neill, Neal Kleiman, Stephen Little, Colin Barker, Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, USA

061 - High-Intensity Signals in Coronary Plaques on T1-Weighted Magnetic Resonance Imaging Corresponding to Intraplaque Hemorrhage in Atherosclerosis on Histopathology of Directional Coronary Atherectomy Specimens

Kenzo Uzu, Rika Kawakami, Takahiro Sawada, Tomofumi Takaya, Yasuyo Taniguchi, Seiichi Hirota, Kenichi Fujii, Yoshinori Yasaka, Himeji Brain and Heart Center, Himeji, Japan, Hyogo College of Medicine, Nishinomiya, Japan

### Interventional Cardiology - Poster Contributions Session #1157

#### Interventional Cardiology: Aortic Valve Disease 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

062 - Baseline Significant Tricuspid Regurgitation Increases Risk of Mortality in Post Transcatheter Aortic Valve Replacement: Systemic Review and Meta-Analysis of Multivariable Adjusted Observational Studies

Narut Prasitlumkum, Jakrin Kewcharoen, Veraprapas Kittipibul, Natthapon Angsubhakorn, Nithi Tokavanich, Wasawat Vutthikraivit, Wisit Cheungpasitporn, University of Hawaii Internal Medicine Residency, Honolulu, HI, USA

063 - Incidence, Predictors, and Impact of Readmissions to Non-Index Hospitals After Transcatheter Aortic Valve Replacement on In-Hospital Outcomes: From the Nationwide Readmission Database

Tomo Ando, Oluwole Adegba, Pedro Villablanca, Emmanuel Akintoye, Said Ashraf, Mohamed Shokr, Fayeze Siddiqui, Alexandros Briasoulis, Hisato Takagi, Cindy Grines, Luis Afonso, Detroit Medical Center, Detroit, MI, USA

064 - Impact of Chronic Obstructive Pulmonary Disease on Transcatheter and Surgical Aortic Valve Replacement: From the PARTNER 2 Cohort A Trial

Tomo Ando, Danny Dvir, Tamim Nazif, Shmuel Chen, Alexandros Briasoulis, Ajay Kirtane, Luis Afonso, Hisato Takagi, Aaron Crowley, Maria Alu, Martin Leon, Susheel Kodali, Columbia University Medical Center, New York, NY, USA, Wayne State Medical Center, Detroit, MI, USA

065 - The Impact of Severity of Chronic Obstructive Pulmonary Disease on Transcatheter Aortic Valve Replacement: From the SAPIEN 3 Registry

Tomo Ando, Danny Dvir, Tamim Nazif, Alexandros Briasoulis, Ajay Kirtane, Rebecca Hahn, David Cohen, Luis Afonso, Hisato Takagi, Aaron Crowley, Maria Alu, Martin Leon, Susheel Kodali, Columbia University Medical Center, New York, NY, USA, Wayne State Medical Center, Detroit, MI, USA

066 - Comparison of Paravalvular Aortic Regurgitation With Monitored Anesthesia Care Versus General Anesthesia For Newer Generation Transcatheter Heart Valves

Prakash Patel, Jake Rosen, Zehang Chen, Jay Giri, Saif Anwaruddin, Prashanth Vallabhajosyula, Wilson Szeto, Yianni Augoustides, Howard Herrmann, Nimesh Desai, University of Pennsylvania, Philadelphia, PA, USA

067 - Elevated Pulmonary Vascular Resistance Is Associated With Long-Term Mortality in Pulmonary Hypertension Patients Undergoing Transcatheter Aortic Valve Replacement

Ibrahim Sultan, Valentino Bianco, Miho Fukui, Dustin Kliner, Floyd Thoma, Joon Lee, John Schindler, Forozan Navid, Thomas Gleason, Joao L. Cavalcante, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

068 - The Prognostic Impact of Transcatheter Aortic Valve Implantation on the Pulmonary Artery Systolic Pressure

Abdalla Hassan, Ashraf Abugroun, Cecilia Wong, Anouch Matevossian, David Kearney, Gerard Aurigemma, Nikolaos Kakouros, UMass Medical School, Worcester, MA, USA

069 - The Impact of Transcatheter Aortic Valve Implantation on Left Ventricular Remodeling at One Year Post Intervention

Abdalla Hassan, Ashraf Abugroun, Cecilia Wong, Anouch Matevossian, David Kearney, Gerard Aurigemma, Nikolaos Kakouros, UMass Medical School, Worcester, MA, USA

070 - Drug Related Platelet Inhibition: Is There a Role For Reduction of Cerebral Microemboli in Transcatheter Aortic Valve Implantation Patients?

Charalampos Kalantzis, Michael Vavuranakis, Vassilis Voudris, Elias Kosmas, Konstantinos Toutouzas, Ioannis Iakovou, George Latsios, Konstantinos Kalogeras, Evangelia Bei, Carmen Maria Moldovan, Maria Kariori, Ourania Katsarou, Angelos-Michail Kolokathis, Dimitrios Vrachatis, Efstratios Katsianos, Gerasimos Siasos, Dimitris Tousoulis, Manolis Vavuranakis, Hippokraton Hospital, Athens, Greece, Onassis Cardiac Surgery Center, Athens, Greece

071 - Race and Sex-Based Disparities Persist 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

072 - Transcatheter Aortic Valve Replacement Outcomes in Patients With and Without Chronic Thrombocytopenia: A National Inpatient Sample Analysis

Ahmad Mahmoud, Marwan Saad, Akram Elgendy, Yasmeen Taha, Ahmed Mahmoud, University of Florida, Gainesville, FL, USA

073 - Differences in Cardiac Remodeling, Hemodynamic Response, and Predictors of Outcomes After Transcatheter Aortic Valve Replacement in Patients With Low-Flow, Low-Gradient Aortic Stenosis and Normal-Flow, Low-Gradient Aortic Stenosis: Results From the Largest Single-Center Experience

Jeffrey Tyler, Tarun Chakravarty, Faizan Malik, Chinar Patel, Takahiro Shiota, Siddharth Singh, Sabah Skaf, Robert Siegel, Sung-Han Yoon, Tomoki Ochiai, Takahiro Nomura, Matthias Raschpichler, Wen Cheng, Raj Makkar, Cedars-Sinai Medical Center, Los Angeles, CA, USA

074 - An Aortic Valve Replacement Screen That Stands Up to the Task:

Comparing Fidelity of Chair Rise Screening, Society of Thoracic Surgeons Score and American College of Cardiology Transcatheter Aortic Valve Replacement In-Hospital Mortality Risk Score to Predict Poor Outcomes and Functional Trajectories in Older Patients

Anthony Maltagliati, Dae Hyun Kim, University of Arizona College of Medicine, Tucson, AZ, USA, Harvard Medical School, Boston, MA, USA

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

#### Session #1173

#### Non Invasive Imaging: CT/Multimodality, Angiography, and Non-CT Angiography 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:



313 - Natural History of Coronary Plaque Progression by Quantitative Assessment of Computed Tomography Coronary Angiography in Asymptomatic Patients With Type 2 Diabetes Mellitus  
Tetsu Tanaka, Satoru Kishi, Kai Ninomiya, Keita Koseki, Yu Sato, Taishi Okuno, Kei Sato, Hideki Koike, Kazuyuki Yahagi, Jun Tanaka, Kota Komiyama, Jiro Aoki, Akihiro Isogawa, Kengo Tanabe, Department of Cardiology, Mitsui Memorial Hospital, Tokyo, Japan, Department of Diabetes, Mitsui Memorial Hospital, Tokyo, Japan

314 - Prognostic Significance of Coronary Computed Tomography Angiography in Patients With Diabetes Mellitus: A Systematic Review and Meta-Analysis  
Muhammad Shahzeb Khan, Noman Lateef, Tariq J. Siddiqi, Safi U. Khan, Nisar Asmi, Faisal Khosa, Naser Yamani, Farook Mookadam, Rami Doukky, John H Stroger Jr Hospital of Cook County, Chicago, IL, USA, Creighton University Medical Center, Omaha, NE, USA

315 - Adoption of the Coronary Artery Disease: Reporting and Data System™ Results in Higher Rates of Appropriate Aspirin and Statin Initiation Regardless of Ordering Provider  
Robert Hull, Jeremy Berger, Joshua Boster, Michael Williams, Alec Sharp, Emilio Fentanes, Christopher Maroules, Ricardo Cury, Dustin Thomas, Brooke Army Medical Center, San Antonio, TX, USA

316 - Gout Is Associated With Increased Risk of Coronary Artery Calcification  
Wenzheng Yu, Jared Christensen, Sydney Tan, Alice Chu, Wen-Chih Wu, Gaurav Choudhary, Alan Morrison, Brown University Alpert Medical School, Providence, RI, USA, Providence VA Medical Center, Providence, RI, USA

317 - Negative Coronary Computed Tomographic Angiography Predicts Low Risk of Major Adverse Cardiovascular Events Following Non-Cardiac Surgery  
Muhammad T. Baiwa, Sunil Mathew, Aneesh Pakala, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

318 - Screening For Coronary Artery Calcium in Asymptomatic Adults Based on the 10-Year Framingham Risk Score in the Society For Heart Attack Prevention and Eradication (SHAPE) Cohort  
Amish Patel, Jeffrey Fine, Ramdas Pai, Morteza Naghavi, Matthew Budoff, UC Riverside, Riverside, CA, USA, Los Angeles Biomedical Research Institute at Harbor-UCLA, Torrance, CA, USA

319 - Prognostic Significance of Nonobstructive Left Main Coronary Artery Disease in Diabetes Versus Non-Diabetes: Long-Term Outcomes From the CONFIRM Registry  
Juhwan Lee, Kashif Shaikh, Rine Nakanishi, Stephan Achenbach, Mouaz Al-Mallah, Jeroen J. Bax, Daniel Berman, Filippo Cademartiri, Tracy Callister, Hyuk-Jae Chang, Benjamin Chow, Ricardo Cury, Gudrun Feuchtner, Martin Hadamitzky, Joerg Hausleiter, Philipp Kaufmann, Jonathon Leipsic, Yong-Jin Kim, Hugo Marques, Gianluca Pontone, Gilbert Raff, Ronen Rubinshtein, Todd Villines, James Min, Matthew Budoff, Los Angeles Biomedical Research Institute, Torrance, CA, USA, Weill Cornell Medical College and the NewYork-Presbyterian Hospital, New York, NY, USA

320 - Incidental Coronary Artery Calcification on Non-Cardiac Computed Tomography: A Three Year Follow-Up Study  
Kevin Millar, Noel Fitzpatrick, Gerard Giblin, Brendan F. McAdam, Beaumont Hospital, Dublin, Ireland

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

#### Session #1174

#### Non Invasive Imaging: Echo 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

321 - Precision and Stability of Parameters For Assessment of Left Ventricular Systolic Function in Clinical Trials: Lessons From the SUCCOUR Trial  
Tomoko Negishi, Paaladinesh Thavendiranathan, Martin Penicka, Jonathan DeBlois, Svend Aakhus, Sakiko Miyazaki, Mitra Shirazi, Maurizio Galderisi, Dragos Vinereanu, Goo-Yeong Cho, Krasimira Hristova, Bogdan Popescu, Thomas Marwick, Kazuaki Negishi, SUCCOUR Investigators, Menzies Institute for Medical Research, Hobart, Australia

322 - Phenotypic Patterns of Left Ventricular Diastolic Function Identified Using Clustering Approaches  
Marton Tokodi, Peter Farjo, Marco Piccirilli, Sirish Shrestha, Partho Sengupta, Heart & Vascular Institute, West Virginia University, Morgantown, WV, USA

323 - Incorporation of Mitral Annular Plane Systolic Excursion (MAPSE) and Tricuspid Annular Plane Systolic Excursion (TAPSE) For Risk Stratification of Acute Pulmonary Embolism  
Isabel C. Balachandran, Jason Matos, Benedikt Heidinger, Donya Mohebbi, Stephanie Feldman, Ian McCormick, Diane Litmanovich, Warren J. Manning, Brett Carroll, Beth Israel Deaconess Medical Center, Boston, MA, USA

324 - Gender Differences in Cardiac Chamber Size, Function, and Remodeling Following Transcatheter Aortic Valve Replacement  
Diego Medvedofsky, Tatsuya Miyoshi, Toby Rogers, Gai Jiaxiang, Itsik Bendor, Lowell Satler, Rebecca Torguson, Ron Waksman, Federico Asch, MedStar Washington Hospital Center, Washington, DC, USA

325 - Sustained Mean Aortic Pressure Gradient Reduction Three Years After Transcatheter Aortic Valve Replacements: Results From the Marshfield Aortic Valve Experience Pilot Substudy  
Peter Umukoro, Paul Yeung-Lai-Wah, Sunil Pathak, Sabri Elkhidir, Brooke Delgoffe, Richard Berg, Kelley Anderson, Romel Garcia-Montilla, Marshfield Clinic, Marshfield, WI, USA

326 - Self Expandable Valves Have Lower Paravalvular Leak Two Years After Transcatheter Aortic Valve Replacement Compared With Balloon Valves: Results From the Marshfield Aortic Valve Experience Pilot Substudy  
Peter Umukoro, Paul Yeung-Lai-Wah, Sunil Pathak, Sabri Elkhidir, Brooke Delgoffe, Richard Berg, Kelley Anderson, Romel Garcia-Montilla, Marshfield Clinic, Marshfield, WI, USA

327 - Right Ventricular Strain Predicts Pulmonary Hypertension in End Stage Liver Disease Patients  
Neeraja Yedlapati, Addis Asfaw, Arindam Sharma, Pradeep Podila, Uchenna Agbim, Benedict Maliakkal, West James, Timothy Woods, Univ of Tennessee, Memphis, TN, USA

328 - Aortic Root Dilation in Adult Marfan Patients: Does Aortic Root Stiffness Matter?  
Kelly Cox, Josey Oquendo, Angela Chen, David Liang, Elif Seda Selamet Tierney, Stanford University, Palo Alto, CA, USA

329 - The Impact of Hemodynamically Significant Mitral Regurgitation on Left Atrial Dynamics in Patients Hospitalized For Acute Decompensated Heart Failure  
Maurizio Losito, Andrea Giammaresi, Valentina Labate, Maria Michela Caracciolo, Francesco Bandera, Marina Rovida, Giacomo D'Alesio, Alessandro Vella, Francesca Bevilacqua, Monica Barki, Eleonora Alfonzetti, Marco Guazzi, Policlinico San Donato, Milan, Italy





330 - Difference in Mitral Valve Morphology Between Eccentric and Central Atrial Functional Mitral Regurgitation: Its Effect on Percutaneous Edge-to-Edge Repair

Jun Yoshida, Takafumi Nagaura, Hiroki Ikenaga, Atsushi Hayashi, Satoshi Yamaguchi, Florian Rader, Robert Siegel, Saibal Kar, Takahiro Shiota, Cedars Sinai Medical Center, Los Angeles, CA, USA

331 - Predictor For Reduced Flow Velocity of Left Atrial Appendage During Sinus Rhythm in Patients With Atrial Fibrillation

Eiji Fukuhara, Takanao Mine, Hideyuki Kishima, Kenki Ashida, Masaharu Ishihara, Hyogo College of Medicine, Nishinomiya, Japan

332 - The Predictive Value of Left Atrial Function by Speckle Tracking Echocardiography For Paroxysmal Atrial Fibrillation Recurrence After Radiofrequency Catheter Ablation

Tuantuan Tan, Bo Hu, Jin-Ling Chen, Rui-Qiang Guo, Qing Zhou, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

333 - Left Atrial Strain as a Surrogate Marker of Atrial Chamber Stiffness  
Katsui Inoue, Espen Remme, Øyvind Senstad Andersen, Einar Gude, Helge Skulstad, Otto Smiseth, Institute for Surgical Research, Oslo University Hospital, Rikshospitalet, Oslo, Norway, Department of Cardiology, Pulmonology, Hypertension & Nephrology, Ehime University, Toon, Japan

334 - Three-Dimensional Printing of Mitral Valve Prolapse Using Echocardiographic Data

Qing Zhou, Yuan-Ting Yang, Hong-Ning Song, Sikai Chen, Hao Wang, Juan Guo, Qing Deng, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

335 - Global Longitudinal Strain as a Predictor of Outcome in Patients Undergoing Autologous Stem Cell Transplantation For Multiple Myeloma  
Alexandra J. Ritts, Kendra Coonse, Maros Ferencik, Jessica Minnier, Miriam Elman, Emma Scott, Rebecca Silbermann, Sarah Nagle, Eva Medvedova, Richard Maziarz, Stephen Heitner, Knight Cardiovascular Institute, Oregon Health & Science University, Portland, OR, USA

336 - Predictors of Heart Failure Development in Atrial Fibrillation Patients With Functional Mitral Regurgitation

Naoki Taniguchi, Yoko Miyasaka, Shoko Kittaka, Yoshinobu Suwa, Ichiro Shiojima, Kansai Medical University, Osaka, Japan

337 - The Incremental Role of Imaging in Thromboembolic Risk Assessment For Patients With Atrial Fibrillation

Reza Reyaldeen, Karthik Nath, Dharmenaan Palamuthusingam, Jovita Dwivedi, Danielle Harrop, Arnold Ng, William Wang, Princess Alexandra Hospital, Brisbane, Australia

338 - Peak Left Atrial Strain in Reservoir Phase Predicts Cardiac Events in Patients With Heart Failure With Preserved Ejection Fraction

Mihaela Bolog, Mihaela Dumitrescu, Elena Pacurar, Florentina Romanoschi, Alina Rapa, Emergency Clinical Hospital Prof. Dr. Agrippa Ionescu, Bucharest, Romania

339 - Decreased Global Longitudinal Strain With Myocarditis From Immune Checkpoint Inhibitors and Occurrence of Major Adverse Cardiac Events

Magid Awadalla, Syed Mahmood, John Groarke, Shiyong Liu, Malek Z. O. Hassan, Sean P. T. Murphy, Maeve Jones-O'Connor, Anju Nohria, Lucie M. Heinzerling, Ryan J. Sullivan, Carol Chen, Dipti Gupta, Sarju Ganatra, Muhammad A. Rizvi, Paaladinesh Thavendiranathan, Gagan Sahni, Alexander R. Lyon, Carlo G. Tocchetti, Judy Hung, Michael Picard, Franck Thuny, Stephane Ederhy, Michael Fradley, Tomas G. Neilan, on behalf of the International ICI Myocarditis Cohort Study, Massachusetts General Hospital, Boston, MA, USA

340 - Strain Assessment of the Ascending Aorta in Patients With Severe Aortic Stenosis

Deepa Raghunathan, Chunyan Cai, Jing Zhang, Prakash Balan, Simbo Chiadika, University of Texas McGovern Medical School Department of Cardiovascular Medicine, Houston, TX, USA, University of Texas McGovern Medical School Department for Clinical and Translational Sciences, Houston, TX, USA

341 - Paradoxical Intraventricular Systolic Flow Predicts Hospitalization For Heart Failure in Patients With Left Ventricular Systolic Dysfunction

Iwona Swiatkiewicz, Sachiyo Igata, Marin Nishimura, Monet Strachan, Ajit Raisinghani, Anthony DeMaria, University of California San Diego, Division of Cardiovascular Medicine, La Jolla, CA, USA

342 - Bezold-Jarisch Reflex Mediates Loss of Consciousness After Definity Contrast

Sundermurthy Yamini, Chirag Rana, Raja Pullatt, Fayez Shamoan, New York Medical College at Saint Joseph University Medical Center, Paterson, NJ, USA

343 - Myocardial Micro-Injury Is Associated With Impaired LV Systolic and Diastolic Function in Older Community-Based Individuals Without Cardiovascular Disease - Assessment by Speckle Tracking Echocardiographic Measurement of LV and LA Strain: The Cardiovascular Health Study (CHS)

John S. Gottdiener, Stephen Seliger, Christopher DeFilippi, Robert Christenson, Jorge Kizer, Bruce Psaty, Sanjiv Shah, University of Maryland, Baltimore, MD, USA

344 - Predictors of False Positives in Stress Echocardiography

Rayan Jo Rachwan, Fakilahyel Mshelbwala, Zeina Dardari, Omar Batal, Indiana University School of Medicine, Indianapolis, IN, USA

345 - Echocardiographic Right Ventricular Dysfunction Predicts Outcomes in Patients Treated Veno-Venous Extracorporeal Oxygenation

Fernando Ortiz, Jason Bartos, University of Minnesota Medical Center, Minneapolis, MN, USA

346 - Echocardiography-Based Decision Tree to Identify Low Right Ventricular Function by Cardiac Magnetic Resonance

Ali Ahmad, Zahi Ibrahim, Georges Sakr, Abdallah El Bizri, Imad El Hajje, Lara El Masri, Hussain Ismaeel, American University of Beirut, Beirut, Lebanon

347 - Improvements in Left Ventricular Regional and Global Systolic Function Following Treatment With S100A4-shRNA After Myocardial Infarction in Mice

Lijun Qian, Di Xu, Yanjuan Zhang, Feng Xie, Thomas Porter, University of Nebraska Medical Center, Omaha, NE, USA, The First Affiliated Hospital of Nanjing Medical University, Nanjing, People's Republic of China

348 - Effect of Diagnostic Intermittent High Mechanical Index Impulses on Global Longitudinal Strain in Patients Being Evaluated For Significant Coronary Artery Disease

Arif Albulushi, Ahmed Aboeata, Joan Olson, Feng Xie, Thomas Porter, University of Nebraska Medical Center, Omaha, NE, USA

349 - Estimation of Left Ventricular Filling Pressure by Left Atrial Myocardial Deformation Imaging in Patients With Severe Mitral Annular Calcification

Eli Sinsolo, Rayji Tsutsui, Kimi Sato, Zoran Popovic, Allan Klein, Cleveland Clinic Foundation, Cleveland, OH, USA



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

Session #1175

Non Invasive Imaging: MR 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

350 - Cardiac Structural Changes After Transcatheter Aortic Valve Replacement (TAVR): Systematic Review and Meta-Analysis of Magnetic Resonance Imaging (MRI) Studies

Ghazaleh Mehdiipoor, Shmuel Chen, Saurav Chatterjee, Pooya Torkian, Ori Ben-Yehuda, Gregg Stone, Martin Prince, Cardiovascular Research Foundation, New York, NY, USA

351 - Tissue-Based Markers of Right Ventricular Dysfunction in Ischemic Mitral Regurgitation as Assessed Via Stress Cardiac Magnetic Resonance

Jonathan Kochav, Brian Yum, Nathan Tehrani, Lillian Brouwer, Richard Devereux, Jonathan Weinsaft, Jiwon Kim, Weill Cornell Medical College, New York, NY, USA

352 - The Role of Atherosclerosis and Left Ventricular Structure and Function in Frailty Development: Results From the Multi-Ethnic Study of Atherosclerosis (MESA)

Jaclyn Sesso, Eric Xie, Jeremy Walston, Karen Bandeen-Roche, Colin Wu, Alain Bertoni, Sanjiv Shah, Joao Lima, Bharath Ambale Venkatesh, Johns Hopkins University - School of Medicine, Baltimore, MD, USA

353 - Natural History of Myocardial Injury and Chamber Remodelling in Acute Myocarditis: A 12-Month Prospective Cohort Study Using Cardiovascular Magnetic Resonance Imaging

Ahmed Abdelhaleem, Reis Hansen, Yoko Mikami, Sandra Rivest, Alessandro Satriano, Steven Dykstra, Jacqueline Flewitt, Bobby Heydari, Carmen Lydell, Matthias Friedrich, Andrew Howarth, James White, Stephenson Cardiac Imaging Centre, Libin Cardiovascular Institute of Alberta, University of Calgary, Calgary, Canada

354 - Late Gadolinium Enhancement Cardiac Magnetic Resonance Imaging (CMR) Tissue Characterization For Cancer-Associated Cardiac Masses: Metabolic and Prognostic Manifestations in Relation to Whole Body Positron Emission Tomography (PET)

Angel Chan, Josef Fox, Rocio Perez Johnston, Jiwon Kim, John Grizzard, Raymond Kim, Chaya Moskowitz, Richard Steingart, Jonathan Weinsaft, Memorial Sloan Kettering Cancer Center, New York, NY, USA

355 - Advanced Phenotyping in Cardiac Amyloidosis: Myocardial Tissue Characteristics and Clinical Outcomes

Bradley Johnson, Anita D'Souza, Chris Mueller, Jason Rubenstein, Andrew Kott, Medical College of Wisconsin, Milwaukee, WI, USA

356 - Diagnostic Thresholds For Coronary Microvascular Dysfunction  
Haseeb Rahman, Matthew Ryan, Hannah McConkey, Cian Scannell, Howard Ellis, Brian Clapp, Amedeo Chiribiri, Divaka Perera, King's College London, London, United Kingdom

357 - Regional Variation in T1 Values by Cardiovascular Disease Process  
Anna Koulova, Shikha Broker, Tonusri Nag, David Payne, Julio Panza, Anthon Fuisz, Westchester Medical Center, Valhalla, NY, USA

358 - The Pattern of Myocardial Fibrosis Detected by Cardiovascular Magnetic Resonance Imaging Provides Prognostic Information in Patients With Idiopathic Dilated Cardiomyopathy

Shingo Ota, Shingu Medical Center, Shingu, Japan

### Non-Certified Industry Events - Learning Destinations

Session #4204

Janssen Pharmaceuticals, Inc.

Saturday, March 16, 2019, 1:30 p.m. - 2:00 p.m.

Expo Hall 2519-Innovation Stage

CME Hours: /CNE Hours:

1:30 p.m.

Janssen Pharmaceuticals, Inc.

### Prevention - Poster Contributions

Session #1178

Prevention: Clinical 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

411 - Major Bleeding in Patients With Embolic Stroke of Undetermined Source Treated With Dabigatran Versus Acetylsalicylic Acid (RE-SPECT ESUS Trial)

Christopher B. Granger, Hans-Christoph Diener, Ralph Sacco, J. Easton, Lisa Cronin, Mandy Fräßdorf, Claudia Grauer, Martina Brueckmann, RE-SPECT ESUS™ Steering Committee and Investigators, Duke Clinical Research Institute, Durham, NC, USA

412 - Soluble Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 Is Associated With Subclinical Coronary Artery Diseases in Psoriasis

Amit Dey, Ranjitha Gaddipati, Youssef Elnabawi, Emily Ongstad, Aditya Goyal, Justin Rodante, Aparna Sajja, Alexander Sorokin, Heather Teague, Milena Aksentijevich, Noor Khalil, Aarthi Reddy, Harry Choi, Jenis Argueta-Amaya, Parag Shukla, Yvonne Baumer, Aditya Joshi, Veit Sandfort, Martin Playford, Marcus Chen, David Bluemke, Sotirios Karathanasis, Joel Gelfand, Ruchi Gupta, Nehal Mehta, NHLBI, Bethesda, MD, USA

413 - Prevalence of Cardiovascular Disease by Vascular Bed in Type 2 Diabetes Population in a Real-World Setting

Wayne Weng, Sheldon Kong, Rahul Ganguly, Malene Hersloev, Jason Brett, Todd Hobbs, Florian M. M. Baeres, Novo Nordisk, Inc., Plainsboro, NJ, USA

414 - Testosterone and Sex Hormone-Binding Globulin in Dysglycemic Women at High Cardiovascular Risk: A Report From the Outcome Reduction With an Initial Glargine Intervention Trial

Anne Wang, Stefan Arver, Kurt Boman, Hertzgerstein, Sibylle Hess, Shun Fu Lee, Lars Ryden, Linda Mellbin, Karolinska Institutet, Stockholm, Sweden

415 - The Association of Cardiovascular Disease With Respiratory Disease and Impact on Mortality

Paul R. Carter, Jakub Lagan, Christien Fortune, Deepak L. Bhatt, Joergen Vestbo, Robert Niven, Nazia Chaudhuri, Erik Schelbert, Rahul Potluri, Christopher Miller, ACALM Study Unit in collaboration with Aston Medical School, Aston University, Birmingham, United Kingdom, University of Manchester, Manchester, United Kingdom

416 - Explaining Variation in US County-Level Obesity Prevalence

Areli Valencia, Fatima Rodriguez, David Scheinker, Stanford University, Stanford, CA, USA

417 - Burden of Atherosclerotic Cardiovascular Disease Risk in Persons With Elevated Triglyceride Levels According to Statin Use

Nathan D. Wong, Wenjun Fan, Sephy Philip, Craig Granowitz, Peter Toth, University of California, Irvine, Irvine, CA, USA, Amarin Corporation, Bedminster, NJ, USA

418 - EMPA-REG OUTCOME Eligibility and Preventable Cardiovascular Events in the US Population: An Analysis of the National Health and Nutrition Examination Survey

Nathan D. Wong, Wenjun Fan, Jonathan Pak, University of California, Irvine, Irvine, CA, USA, Boehringer-Ingelheim, Ridgefield, CT, USA



419 - Elevated Resting Heart Rate Improves Risk Stratification For Adverse Cardiovascular Outcomes in Cancer Patients

Mohamad Hemu, Parva Bhatt, Megan Randall, Aamir Ahmed, Caleb J. Chiang, Andres Palomo, Jason B. Kramer, Ibtihaj Fughhi, Philip Bonomi, Tochukwu M. Okwuosa, Rush University Medical Center, Chicago, IL, USA

420 - Patient Access to PCSK9 Inhibitors Is Successful Utilizing a Dedicated Protocol and Cardiovascular Team

Joseph I. Miller, Jan McAlister, Piedmont Heart Institute, Atlanta, GA, USA

421 - Left Ventricular Mass Index Improves Risk Assessment Over the Pooled Cohort Equation (PCE) or Coronary Artery Calcium (CAC) Score in the Intermediate Risk Population

Emmanuel Akintoye, Alexander Egbe, Oluwole Adegala, Georgios Christodoulidis, Alexandros Briassoulis, Luis Afonso, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

422 - Lifetime Incidence of Coronary Artery Calcium For Asymptomatic Individuals With and Without Diabetes: Insights From the Multi-Ethnic Study of Atherosclerosis

Bart Ferket, M. G. Myriam Hunink, Umesh Masharani, Wendy Max, Kirsten Fleischmann, University of California, San Francisco, CA, USA, Icahn School of Medicine at Mount Sinai, New York, NY, USA

423 - Effects of Optimism in Adolescence on Cardiovascular Event Risk in Adulthood

Sharan Srinivas, Kavin Anand, Anand Chockalingam, University of Missouri, Columbia, MO, USA

424 - Coronary Artery Disease Risk and Lipidomic Profiles in Familial Hyperlipidemias

Joel Rämö, Pietari Ripatti, Rubina Tabassum, Sanni Söderlund, Niina Matikainen, Mathias J. Gerl, Christian Klose, Michal Surma, Nathan O. Stitzel, Aki S. Havulinna, Veikko Salomaa, Nelson B. Freimer, Matti Jauhiainen, Aarno Palotie, Marja-Riitta Taskinen, Kai Simons, Samuli Ripatti, Institute for Molecular Medicine Finland (FIMM), Helsinki, Finland, University of Helsinki, Helsinki, Finland

425 - Management of Non-Obstructive Coronary Artery Disease Discovered by Coronary CT Angiography in the Emergency Department

Michael Honigberg, Bradley S. Lander, Maeve Jones O'Connor, Emma W. Healy, Brian B. Ghoshhajra, Pradeep Natarajan, Massachusetts General Hospital, Boston, MA, USA

426 - The Increase of Carotid Temperatures in Patients With Documented Coronary Artery Disease Under Optimal Medical Therapy Independently Predicts Major Adverse Cardiovascular and Cerebrovascular Events

Konstantinos Toutouzias, George Oikonomou, George Benetos, Koutagiar Iosif, Spiros Galanakis, Maria Karpalioti, Nikolaos Barampoutis, Periklis Davlouros, Elias Siores, Tousoulis Dimitrios, First Department of Cardiology, Athens Medical School, Hippokratation General Hospital, Athens, Greece, Cardiology Clinic, University Hospital of Patras, Patras, Greece

427 - Long-Term Residual Risk and Predictors of Cardiovascular Disease in Individuals Taking Statins For Primary Prevention: Insights From the Cartagene Study

Maxime Robert-Halabi, Jiayi Ni, Anh Nguyen, Marie-Pierre Dube, Ahmed AlTurki, Mark Sherman, George Thanassoulis, Jean Gregoire, Jean Claude Tardif, Thao Huynh, McGill University Health Centre, Montreal, Canada, Montreal Heart Institute, Montreal, Canada

428 - Venous Thromboembolism in Transwomen as Compared to Cisgender Men and Women: An 8-Year National Inpatient Sample Analysis

Bishoy Hanna, Rupak Desai, Sonu Gupta, Kapil Bhatia, Samuel Ogbuchi Jr., Obiora Egbuche, Timir Paul, Gautam Kumar, Rajesh Sachdeva, Morehouse School of Medicine, Atlanta, GA, USA, Atlanta Veterans Affairs Medical Center, Atlanta, GA, USA

429 - Subclinical Organ Damage Improves Atherosclerotic Cardiovascular Risk Assessment Above 10-Year China-PAR (Prediction For ASCVD Risk in China) Equations: Results From the Population-Based Rural Study

Haoyu Wang, Yingxian Sun, Wenrui Shi, Shuze Wang, Xin Yi, Department of Cardiology, The First Hospital of China Medical University, Shenyang, People's Republic of China

430 - Fuster-BEWAT Score Versus Ideal Cardiovascular Health Score to Predict Arterial Stiffness: Implications in Rural Communities

Haoyu Wang, Yingxian Sun, Shuze Wang, Wenrui Shi, Xin Yi, Department of Cardiology, The First Hospital of China Medical University, Shenyang, People's Republic of China

431 - Tocilizumab & Abatacept Were Associated With Lower Risk of Cardiovascular Events Than Rituximab in Rheumatoid Arthritis Patients Failing Tumor Necrosis Factor Inhibitors in a National Study

Ming-Jer Hsieh, Shang-Hung Chang, Chang Gung Memorial Hospital, Chang Gung University College of Medicine, Taoyuan, Taiwan, ROC

432 - Trends of Coronary Artery Disease in Kawasaki Disease in Patients Younger Than 18 Years Old From the Nationwide Inpatient Sample: 2005-2014

Harshil Shah, Mihir Dave, Achint Patel, Safi Khan, Hee Kong Fong, Reena Motwani, Shobha Mandal, Ashish Sadolikar, Edo Kaluski, Guthrie Robert Packer Hospital, Sayre, PA, USA

433 - Clinical Predictors of Cardiovascular Outcomes in Patients on Celecoxib, Ibuprofen, and Naproxen

Haris Riaz, Grant Reed, Qiuqing Wang, Lisa Wisniewski, Kathy Wolski, A. Lincoff, Steven Nissen, Cleveland Clinic, Cleveland, OH, USA

434 - Cardiovascular Outcomes and Mortality After Initiation of Canagliflozin Versus Non-SGLT2i Antihyperglycemic Agents: Additional Analyses From the EASEL Population-Based Cohort Study

Jacob A. Udell, Zhong Yuan, Patrick Ryan, Toni Rush, Nicholas M. Sicignano, Michael Galitz, Norman Rosenthal, Women's College Hospital, University of Toronto, Toronto, Canada

436 - Real-World Utilization and Discontinuation Patterns of PCSK9 Inhibitor Use at a Large, Community-Based Lipid Clinic

Atul R. Chugh, Varun Dobariya, Christina Austin, Kathleen Kioussopoulos, Vijay Rao, David Kovacich, Franciscan Health, Indianapolis, IN, USA

437 - Aspirin For the Primary Prevention of Cardiovascular Events: An Updated Meta-Analysis of Randomized Clinical Trials

Rahman Shah, Aranyak Rawal, Khalid Najib, Babar Khan, Kirstin Hesterberg, Abdul Rashid, Samuel B. Latham, UTHSC, Memphis, TN, USA

438 - Novel Biomarkers of Coronary Artery Calcium Incidence or Progression: Insights From the Dallas Heart Study

Alon Eisen, Ran Kornowski, Ashraf Hamdan, Yeela Talmor-Barkan, Guy Witberg, Kaivalya Deshpande, Andre Paixao, Colby Ayers, Parag Joshi, Anand Rohatgi, Amit Khera, James de Lemos, Ian Neeland, Rabin Medical Center, Petah Tikva, Israel, UT Southwestern Medical Center, Dallas, TX, USA

439 - Prevalence & Control of Extremely High LDL Cholesterol: An Analysis in >10,000,000 Individuals Across 429 Health Systems

Matthew Gold, Shannon Doerfler, Daniel Wojdyla, Tony Schibler, Eric Peterson, Ann Navar, Duke University Medical Center, Durham, NC, USA



440 - Cardiovascular Co-Morbidity Among Patients Treated With Immune Checkpoint Inhibitors  
Terence Sean Dunn, Carrie Lenneman, University of Alabama at Birmingham, Birmingham, AL, USA

### Prevention - Poster Contributions Session #1179

**Prevention: Hypertension 2**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

441 - Blood Pressure Variability and Clinical Characteristics of Patients Hospitalized For Acute Myocardial Infarction  
Konstantinos P. Tsioufis, Konstantinos Konstantinou, Dimitris Konstantinidis, Ioannis Leontsinis, Christos Fragoulis, Kyriakos Dimitriadis, Alexandros Kasiakogias, Manos Mantzouranis, Dimitris Tousoulis, First Cardiology Clinic, Medical School, National and Kapodistrian University of Athens, Hippokratio, Athens, Greece

442 - The Predictive Role of Visit-to-Visit Glomerular Filtration Rate Variability For Cardiovascular and Renal Outcomes in Essential Hypertension: Data From a Greek 8-Year-Follow-Up Study  
Konstantinos P. Tsioufis, Kyriakos Dimitriadis, Alexandros Kasiakogias, Georgios Drosos, Nikos Karaminas, Panagiotis Iliakis, Katerina Damianaki, Dimitris Tousoulis, First Cardiology Clinic, Medical School, National and Kapodistrian University of Athens, Hippokratio, Athens, Greece

443 - Comparison of Established Risk Scores For Prediction of Coronary Artery Disease and Stroke in Essential Hypertension: Data From a Greek 8-Year-Follow-Up Study  
Konstantinos P. Tsioufis, Kyriakos Dimitriadis, Costas Michas, Panagiotis Iliakis, Alexandros Kasiakogias, Ioannis Leontsinis, Niki Kakouri, Mairh Kourementi, Dimitris Tousoulis, First Cardiology Clinic, Medical School, National and Kapodistrian University of Athens, Hippokratio, Athens, Greece

444 - Relation Between Red Blood Cell Distribution and Orthostatic Hypertension  
Yousef Hindi, Ignacio De Cicco, Rama Khreis, Omar Sheikh, Son Pham, Robert Chilton, Rene A. Oliveros, South Texas Veterans Healthcare System, San Antonio, TX, USA, UT Health San Antonio, San Antonio, TX, USA

445 - Blood Pressure Time in Therapeutic Range, But Not Visit-to-Visit Variability, Predicts Cardiovascular Events Among Treated Hypertensive Patients: Data From a 6-Year Follow-Up Study  
Konstantinos P. Tsioufis, Alexandros Kasiakogias, Panagiotis Iliakis, Dimitris Konstantinidis, Ioannis Leontsinis, Christos Fragoulis, Kyriakos Dimitriadis, Dimitris Tousoulis, First Cardiology Clinic, Medical School, National and Kapodistrian University of Athens, Hippokratio, Athens, Greece

446 - Prevalence of Hypertension Among US High School Students: Results From a Large Community Cardiac Screening Program  
Prashant Rao, Max Weiss, Drew Johnson, Robert Bloom, Chris Koilor, Renee Langstaff, Stanton Miller, David Shipon, Thomas Jefferson University Hospital, Philadelphia, PA, USA

447 - Point-of-Care Salt-Sensitivity Testing in Post-Menopausal Women to Identify Risk For Heart Failure With Preserved Ejection Fraction  
Scott L. Hummel, Carrie A. Karvonen-Gutierrez, Michelle M. Hood, Ana Baylin, Elizabeth Jackson, Sioban D. Harlow, University of Michigan, Ann Arbor, MI, USA, University of Alabama-Birmingham, Birmingham, AL, USA

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

**Session #1185**  
**Pulmonary Hypertension and Venous Thrombo-Embolic Disease 2**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

480 - Risk of Pulmonary Hypertension in HIV Infected Patients in a Single Center in Miami: A Retrospective Analysis  
Gerardo J. Zablah, Fahim Pyarali, Roumen Iordanov, Tahir Haque, Rajiv Parmar, Alexis Powell, Catherine Boulanger, Dushyantha Jayaweera, Barry Hurwitz, Michael Kolber, Claudia Martinez, University of Miami Miller School of Medicine, Miami, FL, USA, Jackson Memorial Hospital, Miami, FL, USA

481 - Analyzing the Impact of Catheter Directed Therapy on Long-Term Clinical Outcomes in Patients With Acute Pulmonary Embolism  
Anthony Serritella, Andrew Putnam, Alexandru Marginean, Isla McClelland, Janet Friant, Sandeep Nathan, Atman Shah, John Blair, Jonathan Paul, University of Chicago, Chicago, IL, USA

482 - Effect of Treatment Strategy on Risk Status and Survival in Pulmonary Hypertension Patients  
Yalin Tolga Yavrali, Ibrahim Basarici, Burcak Kilickiran-Avci, Murat Meric, Umit Yasar Sinan, Hande Senol, Mehmet Serdar Küçükoglu, Zeki Ongen, Pamukkale University, Denizli, Turkey, Akdeniz University, Antalya, Turkey

483 - Pulmonary Embolism Response Teams: Do They Result in Better Outcomes in Severe Pulmonary Embolism (a Single Center Retrospective Analysis)?  
Shayan Nabavi Nouri, Mahesh Madhavan, Heidi S. Lumish, Michael Lavelle, Michael Gavalas, Tyler Brown, Jianhua Li, Erika Berman Rosenzweig, Sahil Parikh, Ajay Kirtane, Arthur Garan, Daniel Brodie, Cara Agerstrand, Koji Takeda, Sanjum Sethi, Philip Green, Andrew Einstein, Columbia University Medical Center, New York, NY, USA

491 - Effect of Pulmonary Arterial Hypertension Specific Therapy in the Four Clinical Subgroups of Patients With Pulmonary Arterial Hypertension Associated With Congenital Heart Disease  
Massimiliano Palazzini, Alessandra Manes, Fabio Dardi, Enrico Gotti, Andrea Rinaldi, Andrea Cassani, Elisa Zuffa, Daniele Guarino, Filippo Pasca, Alessandro De Lorenzis, Ilenia Magnani, Mariangela Rotunno, Nazzareno Galie', Department of Experimental, Diagnostic and Specialty Medicine (DIMES), Cardiology, Bologna, Italy

492 - Riociguat Ameliorates Right Ventricular Function Assessed by Speckle-Tracking Echocardiography in Patients With Pulmonary Hypertension  
riociguat Ameliorates Right Ventricular Function Assessed by Speckle-Tracking Echocardiography in Patients With Pulmonary Hypertension  
Mitsushige Murata, Takashi Kawakami, Masaharu Kataoka, Hidenori Moriyama, Takahiro Hiraide, Mai Kimura, Jin Endo, Takashi Kohno, Yuji Itabashi, Keiichi Fukuda, Yasushi Iwao, Keio University, Tokyo, Japan

493 - Initiation of a Pulmonary Embolism Response Team: A Quality Assurance Initiative in the Emergency Department  
Colin Wright, Ayman Elbadawi, Yu Lin Chen, Dhvani Patel, Joseph Delehanty, Justin Mazziello, Anthony Pietropaoli, Igor Gosev, Scott Cameron, University of Rochester Medical Center, Rochester, NY, USA

494 - A Significant Portion of Patient With Chronic Thromboembolic Pulmonary Hypertension Were Diagnosed With May-Thurner Syndrome Using Screening Venography  
Anika Vaidy, Riyaz Bashir, Paul Forfia, Anjali Vaidya, Temple University Hospital, Philadelphia, PA, USA



### Special - Poster Contributions

#### Session #1158

#### ACC International Conferences Best Posters

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

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 #1159

#### FIT Clinical Decision Making: Congenital Heart Disease 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

085 - Noonan Syndrome and the Cardiac Conduction System  
Viliane Vilcant, Ofek Hai, Roman Zeltser, Amgad Makaryus, Nassau University Medical Center, East Meadow, NY, USA

086 - Right Ventricular Outflow Tract Obstruction From Double Chambered Right Ventricle  
Supriya Tigadi, Saurabh Joshi, University of Connecticut, Farmington, CT, USA, St. Francis Hospital, Hartford, CT, USA

087 - Management of Eisenmenger Syndrome Secondary to Unrepaired Sinus Venosus Atrial Septal Defect With Partial Anomalous Pulmonary Venous Connection  
Angela Li, John Bokowski, Dinesh Kalra, Rupa Sanghani, Rush University Medical Center, Chicago, IL, USA

088 - Syncope In Noonan Syndrome: Implantable Cardio-Defibrillator For High Risk of Sudden Death  
Igor Maroso Andrade, Fernando Montenegro, Jussara Ribeiro Giannini, Júlia Machado Barroso, Hospital Adventista Silvestre, Rio de Janeiro, Brazil

089 - Paradoxical Embolic Inferior ST Segment Elevation Myocardial Infarction as the Initial Presentation of a Secundum Atrial Septal Defect  
Solomon Seifu, Neeraj Jain, Frederick Helmcke, Murtuza Ali, Kiran Mallula, Pedro Cox-Alomar, Louisiana State University Health Science Center, New Orleans, LA, USA

090 - Neonatal Supraventricular Tachycardia as a Presentation of Critical Aortic Coarctation  
Jennifer Romanowicz, Russell Cross, Children's National Health System, Washington, DC, USA

091 - Transcatheter Closure of a Complex Intra-Device Residual Patent Foramen Ovale  
Dennis H. Vanloozen, Sean Javaheri, Shvetank Agarwal, Zahid Amin, Augusta University, Augusta, GA, USA

092 - Management of a Woman With Uncorrected Tricuspid Atresia  
Jeffrey Tran, Nina Gertsvolf, Shamili Allam, Annahita Sarcon, David Laughrun, Keck School of Medicine of USC, Los Angeles, CA, USA

093 - Mapping Out the Potentials: Ventricular Tachycardia Storm in the Young Adult With Congenitally Corrected Transposition  
Chelsea Meloche, Adnan Kassier, Manivannan Veerasamy, Sihong Huang, Musa Dahu, Stephen Cook, Spectrum Health, Grand Rapids, MI, USA, Helen DeVos Children's Hospital, Grand Rapids, MI, USA

094 - Baffle Leak Following Mustard Procedure For Transposition of the Great Arteries Resulting in Cardioembolic Acute Ischemic Stroke  
Roger Thompson, Andrew Leventhal, University of Kentucky, Lexington, KY, USA

097 - Dilated Cardiomyopathy and Atrial Arrhythmia in a Patient With a Prior Repaired Atrial Septal Defect: Don't Let the History Fool You  
Kelly Paschke, Mouin Abdallah, James Gentry, Gosta Pettersson, David Majdalany, Cleveland Clinic Foundation, Cleveland, OH, USA

098 - ST Elevation Myocardial Infarction in Dextrocardia: A Clinical Challenge  
Martin Miguel Inocencio Amor, Steven Savella, Rajiv Jauhar, North Shore University Hospital, Manhasset, NY, USA

099 - A Case of a Silent PDA Bacterial Endocarditis in Adult  
Ahmed Elantably, David Alejandro Cardona Estrada, Adam Matos, NSMC, Salem, MA, USA

100 - Unusual Cause of Cyanosis in a Patient With Fenestrated Fontan For Pulmonary Atresia and Complex Single Ventricle  
Saurabh Joshi, Whitney Fairchild, Frederic Bernstein, Shailendra Upadhyay, Connecticut Children's Medical Center, Hartford, CT, USA, University of Connecticut School of Medicine, Farmington, CT, USA

### Special - Poster Contributions

#### Session #1160

#### Cardiovascular Team Cases 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

095 - Women With Congenital Heart Disease in Eastern Developing Countries: Gaps to Be Bridged by Female Pharmacist in Heart Team  
Israa Fadhil Yaseen, Hasan Ali Farhan, Baghdad Cardiac Center, Medical City, Baghdad, Iraq

096 - Positive Impact of a Clinical Pharmacy Specialist-Based Intervention Program on Heart Failure Readmission Rates  
Cassandra Benge, Laura Diedrich, Emily Young, Glenda Mattox, Henry Ooi, Nashville VA Medical Center, Nashville, TN, USA, Vanderbilt University Medical Center, Nashville, TN, USA

### Special - Poster Contributions

#### Session #1161

#### FIT Clinical Decision Making: Non Invasive Imaging 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

101 - When You Infiltrate, You Fibrillate: Diffuse Large B Cell Lymphoma Presenting as Right Atrial Mass With Atrial Arrhythmias  
Julie Tsay, Sunil Mankad, Fletcher Miller, Mayo Clinic, Rochester, MN, USA

102 - A Rare Case of Spindle-Cell Sarcoma of the Heart Presenting as Acute Heart Failure  
Nina Gertsvolf, Annahita Sarcon, Jerold Shinbane, Luanda Grazette, Keck School of Medicine, University of Southern California, Division of Cardiovascular Medicine, Los Angeles, CA, USA

104 - Thrombus Straddling a Patent Foramen Ovale Causing Acute Coronary Syndrome  
Vincent Huang, Parvathi Mudigonda, Hanan Kerr, University of Cincinnati, Cincinnati, OH, USA

105 - Triple Acute Aortic Syndrome  
Jose Ramon Benitez, Stephanie Angulo-Cruzado, Grecia Iveth Maryelis Raymundo Martinez, Instituto Nacional de Cardiología Ignacio Chávez, Mexico, Mexico

106 - Left Atrial Myxoma: A 3-Dimensional Cause of Congestive Heart Failure  
Andrew Kichura, Jad Raffoul, Steven Smart, Saint Louis University School of Medicine, St. Louis, MO, USA



107 - An Incidental Finding of Abrupt Basal Septal Dyskinesia Identified by Speckle Tracking Imaging: Think Wolff-Parkinson-White  
Abdalla Hassan, Robert Hayward, Gerard Aurigemma, UMass Medical School, Worcester, MA, USA

108 - Floating Left Atrial Mass in a Patient With Prosthetic Mitral Valve: Management Dilemma  
Gini Priyadharshini Jevashanmugaraja, Asiya Mahmut, John-Ross Clarke, Tony Roy, Adam Schussheim, Bridgeport Hospital, Bridgeport, CT, USA

109 - Computed Tomographic 3: Dimensional Virtual Dissection Aiding Surgical Planning in a Rare Pediatric Case of Bicuspid Aortic Valve With Ascending Aortic Pseudoaneurysm  
Jeremy Steele, Stephanie Tseng, Tarek Alsaied, Eric Crotty, Justin Tretter, Cincinnati Children's Hospital, Cincinnati, OH, USA

110 - A Case of Primary Undifferentiated Pleomorphic Sarcoma of the Right Ventricle  
David Alejandro Cardona Estrada, Ahmed Elantably, Caitlin Waters, Ramya Radhakrishnan, North Shore Medical Center, Salem, MA, USA

111 - Posterior Mitral Valve Leaflet Hypoplasia: An Unusual Presentation of Mitral Regurgitation  
Tarun Tandon, Aashay Patel, Jeff Murray, Arun Kanmanthareddy, Creighton University, Omaha, NE, USA

112 - Utility of Cardiac MRI and Late Gadolinium Enhancement in New Onset Biventricular Heart Failure: A Case of a Young Female With Acquired Hypercoagulable State and Normal Coronary Arteries  
Elizabeth Hill, Christopher Vanichsarn, Aparajit Venkateswaran, Phong Hu, Malhar Patel, Jorge Gonzalez, Scripps Clinic, La Jolla, CA, USA

113 - An Overlooked Suspect in Cryptogenic Stroke: Partial Anomalous Pulmonary Venous Connection  
Moustafa Elsheshawy, Abhinav Saxena, Paurush Ambesh, Maryanne Ruggiero, Adnan Sadiq, Maimonides Medical Center, Brooklyn, NY, USA, Coney Island Hospital, Brooklyn, NY, USA

114 - Tamponade to Tap or Not: Pleural Effusion Causing Cardiac Tamponade  
Heajung Nguyen, Kamran Shamsa, Gabriel Vorobiof, Leeyen Hsu, Tao He, Eric Yang, University of California Los Angeles, Los Angeles, CA, USA

115 - The Enigma of Cardiac Metastasis  
Amit Nanda, Nureddin Almaddah, Rami Khouzam, University of Tennessee, Memphis, USA

116 - A Rare Case of Hodgkin's Lymphoma Presenting With Superior Vena Syndrome and Functional Pulmonic Stenosis  
Fatimah Oluwakemi Bello, Gopal Katkoria, Cesar Gutierrez, Aramide Tijani, Arturo Suplee Rivera, Cyntiha Rivas Pajuelo, Meera Soni, Jose Lozano-Garcia, University of Texas Rio Grande Valley, Edinburg, TX, USA

117 - Pseudo-Dyskinesia: Not Always an Insignificant Finding  
Aviral Vij, Jayakumar Sreenivasan, Fady Iskander, Vamsi Kodumuri, John H. Stroger Jr. Hospital of Cook County, Chicago, IL, USA

118 - Eosinophilic Masses: Cardiac Manifestations in Eosinophilic Granulomatosis With Polyangiitis  
Omid Amidj, Vince Siebert, John Allison, Ihab Hamzeh, Baylor College of Medicine, Houston, TX, USA

119 - From Tick Bite to Heart Failure  
Nureddin Almaddah, Aranyak Rawal, Amit Nanda, Kirstin Hesterberg, Farhan Ashraf, Rami Khouzam, Neeraja Yedlapati, University of Tennessee Health Science Center, Department of Medicine, Division of Cardiology, Memphis, TN, USA

120 - Once in a Blue Moon: Incomplete Myocardial Rupture  
Isma Javed, Cole Tunnell, Mohamad Khattab, Nazir Ahmad, Pedro Lozano, University of Oklahoma Health Sciences Center, Oklahoma, OK, USA

121 - Multimodality Imaging in the Evaluation of an Unusual Left Ventricular Mass in the Setting of Blunt Force Chest Trauma  
Jeremy Slivnick, Thura Harfi, Ohio State Wexner Medical Center, Columbus, OH, USA

122 - Uterine Cervical Cancer Involving the Myocardium and Pericardium  
Mahmoud Abdelghany, Robert Attaran, Glen Henry, Hamid Mojibian, Carlos Mena-Hurtado, Yale University School of Medicine, New Haven, CT, USA

123 - Aorta-Right Atrial Fistula in Prosthetic Valve Endocarditis on Transthoracic Echocardiogram  
Kulin Shah, Sabha Bhatti, Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ, USA

125 - Large Papillary Fibroelastoma of the Pulmonic Valve in a 53-Year-Old Male: Case Report  
Giancarlo Acosta Baez, George Yousef, Melissa Lester, Jason Mader, Geoffrey R. Cousins, Mark Studeny, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV, USA

126 - Late-Onset Hypertrophic Cardiomyopathy  
Asad J. Torabi, Hossein Ouranos, Richard Kovacs, Krannert Institute of Cardiology, Indianapolis, IN, USA

**Special - Poster Contributions**  
**Session #1162**  
**FIT Clinical Decision Making: Valvular Heart Disease 2**  
**Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

127 - Tick-Borne Illness and Infective Endocarditis: A Rare Case of Tularemia  
Mark Kaeppler, Ridhima Kapoor, Andrew Kott, Medical College of Wisconsin, Milwaukee, WI, USA

128 - Traumatic Tricuspid Regurgitation: Is It Time to Re-Assess Management of Blunt Chest Traumas?  
Peter Khalil, Saad Hussain, Tariq Siddiqui, Tarif Khair, Texas Tech University, El Paso, TX, USA

129 - Native Aortic Valve Thrombus Causing Transient Ischemic Attacks and Sudden Cardiac Arrest  
Atif Tatari, Paul Moore, Aniruddha Singh, The Medical Center Bowling Green, Bowling Green, KY, USA

130 - Isolated Pulmonary Valve Endocarditis: A Masquerader  
Pooja Swamy, Micah Martinez, Aditya Bharadwaj, Vinutha Rajesh, Purvi Parwani, Loma Linda University Health, Loma Linda, CA, USA

131 - A Case of Acute, Severe Mitral Regurgitation and Stenosis Secondary to Vascular Plug Embolization  
Logan Vincent, Eric B. Howell, James Kirkpatrick, Rosario Freeman, Mark Reisman, Gabriel Aldea, University of Washington, Seattle, WA, USA

132 - Superior Vena Cava Syndrome: A Rare Complication of Aortic Valve and Aortic Root Replacement  
Bao X. Nguyen, J. Patrik Hornak, Nicole A. Christians, Jianping Zhao, Judith F. Aronson, George O. Adesina, The University of Texas Medical Branch, Galveston, TX, USA

133 - Acute Thrombus Formation Following Valve in Valve TAVR  
Ryan Wilson, Imad Aljabban, Todd Lecher, Pradeep Yadav, Penn State Milton S. Hershey Medical Center, Hershey, PA, USA



134 - Reverse Lutembacher: A Rare Late Complication of Tricuspid Valve Replacement

Joshua Cowgill, Sebastian Jablonski, Edward Teufel, James Parker, Maine Medical Center, Portland, ME, USA

135 - New Dyspnea After Cardiac Surgery: A Case of Iatrogenesis Imperfecta

Jennifer Rymer, Anna Lisa Crowley, Duke University Medical Center, Durham, NC, USA

136 - Late MitraClip Single Leaflet Detachment: Third Clip Is a Charm

Nadeen Faza, Colin Barker, Stephen Little, Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

137 - A Transplanted Heart With Severe Tricuspid Regurgitation: A Tale of Two MitraClips

Nadeen Faza, Apurva Patel, Colin Barker, Stephen Little, Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

138 - A Rare Case of Recurrent Acute Coronary Syndrome Caused by a Primary Aortic Valve Undifferentiated Sarcoma

Martine Parent, Andrew Rabinovitch, Kevin Lachapelle, Jacques Genest, Negareh Mousavi, McGill University Health Centre, Montreal, Canada

139 - Sudden Cardiac Death Associated With Malignant Mitral Valve Prolapse

Damon McEnroe, Fnu Vikram, Kailyn Mann, Lohit Garg, Syed Rafay Ali Sabzwari, Nael Hawwa, Lehigh Valley Hospital, Allentown, PA, USA

140 - A Coronary Conundrum: Papillary Muscle Rupture and Ischemic Mitral Regurgitation Secondary to Thromboembolism in Antiphospholipid Syndrome

Amar Shere, Pradyumna Agasthi, Farouk Mookadam, Reza Arsanjani, Mayo Clinic Arizona, Phoenix, AZ, USA

141 - Severe Mitral Stenosis and Pulmonary Hypertension in Pregnancy: When to Act

Ikenna Erinne, Amit Alam, Michael Huang, Kanika Mody, Aziz Ghaly, Deepa Iyer, Robert Wood Johnson University Hospital, New Brunswick, NJ, USA

142 - The True Cost of Insurance Loss: An Economic Evaluation of Insurance Loss in a Warfarin Dependent Patient

Catherine Lowe, Nchang Taka, Julia Thompson, Michael Winniford, Myrna Alexander Nickens, Kellan Ashley, University of Mississippi Medical Center, Jackson, MS, USA

144 - A Case of Sudden Onset of Platypnea Orthodeoxia Syndrome Caused by Traumatic Tricuspid Regurgitation With Ruptured Chordae Tendineae After Blunt Chest Trauma

Yutaka Hatani, Hidekazu Tanaka, Nao Shibata, Shun Yokota, Jun Mukai, Makiko Suto, Hiroki Takada, Fumitaka Soga, Kumiko Dokuni, Keiko Hatazawa, Eriko Hisamatsu, Kensuke Matsumoto, Ken-Ichi Hirata, Kobe University Graduate School of Medicine, Kobe, Japan

### Special - Poster Contributions

#### Session #1163

#### FIT Clinical Decision Making: Acute and Stable Ischemic Heart Disease 1

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

145 - A Young Patient With Recurrent Acute ST-Elevation Myocardial Infarction and Apical Thrombus Caused by Antiphospholipid Syndrome

Ariel F. Gonzalez, Marcel Mesa Pabon, Hilton Franqui-Rivera, Melissa Ruiz Rodriguez, Bayoan M. Ramos Parra, Juan Carrillo Navas, University of Puerto Rico, San Juan, PR, USA

146 - Left Internal Mammary Artery to Coronary Sinus Fistula and Angina Following Coronary Artery Bypass: Innocent Bystander or Guilty as Charged?

Katia Bravo Jaimes, Salman Arain, Catalin Loghin, Nils Johnson, University of Texas Health Science Center at Houston, Houston, TX, USA

147 - Shear Stress as the Unforeseen Culprit of Late Presenting STEMI

Steven Song, Matthew Cauchi, Harsh Patel, Rahul Sharma, Virginia Tech Carilion School of Medicine, Roanoke, VA, USA

148 - Paradoxical Myocardial Infarction Secondary to Use of Systemic Thrombolytic For Acute Ischemic Stroke

Kunal Jha, Zachariah Nealy, Mark Schneider, Bryan Martin, Geisinger Medical Center, Danville, PA, USA, Geisinger Wyoming Valley Hospital, Wilkes-Barre, PA, USA

149 - An Extremely Rare Case of Adult-Onset Kawasaki Disease, With Coronary Computed Tomography, Intravascular Ultrasound, and Optical Frequency Domain Imaging

Toshiki Kuno, Akimichi Shibata, Shohei Imaeda, Masaki Kodaira, Yohei Numasawa, Mount Sinai Beth Israel Medical Center, New York, NY, USA, Japanese Red Cross Ashikaga Hospital, Ashikaga, Japan

150 - A Rare Case of Non-Atherosclerotic Cocaine Induced 8 cm Left Circumflex Artery Aneurysm: A Management Dilemma

Nirmal Kaur, Piranavan Paramarajan, Sayf Altabaqchali, Ramses Thabet, Mark Kranis, St. Vincent Hospital, Worcester, MA, USA

151 - Saccular Coronary Aneurysm Presenting as Acute Coronary Syndrome With Atrial Flutter and Complete Heart Block

Jorge Andre Rodriguez-Lozano, Syed Gilani, Luba Frank, Joseph Hornak, Lin Gao, Rafic Berbarie, University of Texas Medical Branch, Galveston, TX, USA

152 - To Synch or Stage: Coexistent Severe Symptomatic Carotid and Coronary Disease

Grace Hsieh, Kate Raiti-Palazzolo, Gabriel Foster, Eric Awtry, Boston Medical Center, Boston, MA, USA

153 - Left Ventricular Wall Rupture in a Patient With Rheumatoid Arthritis

David Alejandro Cardona Estrada, Saadia Qazi, David Roberts, Ryan J. Gosselin, North Shore Medical Center, Salem, MA, USA

154 - How Much Is Too Much? Managing Physical Activity Levels in Athletes With Coronary Artery Disease

Sean Swearingen, Kousik Krishnan, Anupama Rao, Rush University Medical Center, Chicago, IL, USA

155 - Not Your Typical Myocardial Infarction: An Unusual Presentation by an Extraordinarily Rare Malignancy

Matthew McDiarmid, Dhruv Chawla, Tonga Nfor, Rahul Sawlani, Arshad Jahangir, A. Jamil Tajik, John Crouch, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

156 - ST Elevation Myocardial Infarction as a Complication of Imaging Guided Lung Biopsy

Abdur Rahman Ahmad, Andy Kieu, Joaquin Solis, M. Fuad Jan, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

157 - Chest Pain in the Postoperative Cardiac Surgery Patient: A Unique Case of Acute Coronary Syndrome Following Left Ventricular Pseudoaneurysm Repair

Amanda Verma, Amit Amin, Washington University School of Medicine, St. Louis, MO, USA



158 - An Unusual Case of Chest Pain in a Type A Hemophiliac: Management Dilemma

Anjali Sharma, Heather Swales, Hartford Hospital, Hartford, CT, USA

159 - STEMI in the Setting of Organophosphorus Poisoning

Manivannan Veerasamy, Adnan Kassir, Stephen J. Fitch, Richard McNamara, Spectrum Health, Grand Rapids, MI, USA

160 - Management of ST Elevation Myocardial Infarction in the Setting of a Myocardial Bridge: Is There Any Light at the End of the Tunnel?

Ahmed Ibrahim, Peter Khalil, Saad Hussain, Harsha Nagarajarao, Adriana Mares, Chandra Ojha, Cardiology Department, Texas Tech University, Paul L. Foster School of Medicine, El Paso, TX, USA

161 - Not So Howell-Jolly: A Case of Shrapnel Induced Troponemia

Katherine Dittman, Katherine Caujolle-Alls, Sangeeta Srivastava, Cynthia Joseph, Dayton VA, Dayton, OH, USA, Wright State University, Dayton, OH, USA

162 - Reactive Thrombocytosis Induced by Romiplostim: A Case of Acute Myocardial Infarction in a Patient With Immune Thrombocytopenia

Suhayb Kadura, Kalyan Wagle, Ajay Tambe, SUNY Upstate Medical University, Syracuse, NY, USA

163 - Acute Myocardial Infarction in a Patient With Multivessel Coronary Artery Aneurysms, Pectus Excavatum, and Thoracic Hemangiomas

Felipe Gomes Soares, Carolina C. Athayde, Sebastião C. Castilho, Fábio Akio Nishijuka, Andrea Costa, Carlos J. Cardoso, Leonardo da Cruz Nunes, Heitor Vieira, Nadia Mathias Albuquerque, Jaime Figueiredo, Mônica Medeiros Luna, Marcia Campos, Renata R. T. Castro, Hospital Naval Marcilio Dias, Rio de Janeiro, Brazil

164 - When It Rains It Pours: A Familial But Unusual Clotting Case

Adedotun Ogunsua, Jorge Escobar, Rohit Malhotra, Ricardo Bello, Lara Kovell, University of Massachusetts, Worcester, MA, USA

165 - Traumatic Coronary Artery Dissection

Mahmoud Abdelghany, Moustafa Elsheshtawy, Robert Attaran, Suhayb Kadura, Carlos Mena-Hurtado, Yale University School of Medicine, New Haven, CT, USA, SUNY Upstate Medical University, Syracuse, NY, USA

166 - A Rare Case of ST Elevation Myocardial Infarction (STEMI) Secondary to Extensive Thromboembolism

Bryan Dolan, Rohit Malhotra, Jorge Escobar, Adedotun Ogunsua, Matthew McGuinness, University of Massachusetts Medical Center, Worcester, MA, USA

167 - Gadolinium Contrast Induced Kounis Syndrome

Ahmed Amro, Kanaan Mansoor, Mohammad Amro, Mark Studeny, Mehiar El-Hamdani, Marshall University, School of Medicine, Huntington, WV, USA

168 - To Operate or Not, When, and How in a Patient With Left Ventricular Thrombus and Severe Coronary Artery Disease

Paul Andre, Said Yassin, Michelle Ratliff, Carlos Roldan, New Mexico VA Healthcare System, Albuquerque, NM, USA, University of New Mexico, Albuquerque, NM, USA

### Special - Poster Contributions

#### Session #1164

#### FIT Clinical Decision Making: Prevention 1

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

169 - To Tap or Not to Tap: Severe Hypothyroidism Presenting as Massive Pericardial Effusion

Vince Siebert, Hong Loan Nguyen, Baylor College of Medicine, Houston, TX, USA

170 - Isolated Surgical Left Atrial Appendage Excision For Stroke Prevention in the Era of Percutaneous Therapy

Paula Hernandez, Tsuyoshi Kaneko, Daniel Storms, Sanjay Divakaran, Dale Adler, Bibhu Mohanty, University of South Florida, Morsani College of Medicine, Tampa, FL, USA

171 - Paradoxical Septic Emboli From Tricuspid Valve Infective Endocarditis in the Setting of a Patent Foramen Ovale

Joshua Nadolny, Jonathan Rapp, Mercy Health - The Jewish Hospital, Cincinnati, OH, USA

181 - A Case For Caution: The Use of Estrogen Contraception and Hypertriglyceridemia

Kristopher Kline, Jason Evanchan, Thura Harfi, The Ohio State University Wexner Medical Center, Columbus, OH, USA

182 - Life-Threatening Methemoglobinemia Caused by Topical Anesthetic Given Prior to Transesophageal Echocardiography

Obiora Egbuche, Bishoy Hanna, Amaka Onyiaagu, Anekwe Onwuanyi, Morehouse School of Medicine, Atlanta, GA, USA

183 - Trans Esophageal Echocardiogram Detects Triple Threats (Atheroma, Patent Foramen Ovale and Large Lambli's Excrescence): A Case of Recurrent Embolic Stroke of Undetermined Source

Hemalatha Narayanasamy, Samuel Unzek Freiman, Mayo Clinic, Phoenix, AZ, USA

184 - A Case of a Young Woman With Myocardial Infarction: A Personalized Medicine Approach

Nicole Prabhu, Nidhi Madan, Anupama Rao, Dinesh Kalra, Carolyn Jones, Annabelle Volgman, Rush University Medical Center, Chicago, IL, USA

### Special - Poster Contributions

#### Session #1165

#### Spotlight on Special Topics: Education and Training 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

172 - Quality Care Analysis of the Appropriateness of Veterans Affairs Cardiology Clinic Visits

Ayush Motwani, Karnika Ayinapudi, Twinkle Singh, Mark Cassidy, Anand Irimpen, Tulane University, New Orleans, LA, USA

173 - Success of CME/CE in Promoting Performance Improvements Related to Management of Hyperkalemia

Amy Larkin, George Blatherwick, George Boutsalis, Medscape Education, New York, NY, USA

174 - Hyperkalemia Management in the Hospital Setting: Success of Online Medical Education at Improving Knowledge, Competence, and Confidence of Cardiologists

Amy Larkin, David Anderson, George Boutsalis, Medscape Education, New York, NY, USA

175 - Time to Telemedicine Diagnosis (TTD): An Important New Metric For a.m.I Strategies

Sameer Mehta, Roberto Botelho, Francisco Fernandez, Jamil Cade, Mauricio Prudente, Ricardo Cavalcanti, Cesar Dusilek, Nabil Hamdan, Luis Calderon, Edgar Hurtado, Marco Alcocer Gamba, Odin De Los Rios, Alejandro Ricalde, Lorena Villagran, Daniel Rodriguez, Lucas Lauar Cortizo Vidal, Lumen Foundation, Miami, FL, USA





176 - Are We Really That Different? Assessing Inter-Rater Agreement of Experienced Physicians on the Appropriateness of Testing in Patients Who Present to the Emergency Department With Chest Pain

Mehrdad Ghahramani, Brandon Peterson, Mohammed Ruzieh, Matthew Nudy, Brian M. McGillen, Marcin Kuzma, Richard M. Pescatore, II, Ross Rodgers, Andrew Foy, Penn State Health Hershey Medical Center, Hershey, PA, USA

177 - Increased Use of Social Media For Education Among Young Professionals in Cardiology: Results of a Survey of Cardiologists and Cardiology Fellows in the American College of Cardiology

Mehrdad Ghahramani, Andrew Foy, John Mandrola, Mohammed Ruzieh, Amanda Smith, Brandon Peterson, Penn State Health Hershey Medical Center, Hershey, PA, USA

178 - Social Media Usage, Impact Factor, and Mean Altmetric Attention Scores: Characteristics and Correlates in Major Cardiology Journals

Janet Han, Boback Ziaieian, University of California Los Angeles, Los Angeles, CA, USA

179 - Evolution of the American College of Cardiology and the American Heart Association Cardiology Clinical Practice Guidelines: A 10-Year Assessment

Victoria Dubose-Briski, Xiaoxi Yao, Shannon Dunlay, Sanket Dhruva, Joseph Ross, Nilay Shah, Peter Noseworthy, Division of Health Care Policy and Research, Mayo Clinic, Rochester, MN, USA, Robert D. and Patricia E. Kern Center for the Science of Health Care Delivery, Mayo Clinic, Rochester, MN, USA

180 - Diversity and Inclusion in Leadership Positions of American College of Cardiology: How Do the International Medical Graduates (IMGs) Fare?

Zain Ul Abideen Asad, Chittur A Sivaram, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

### Special - Poster Contributions

#### Session #1166

#### FIT Clinical Decision Making: Interventional Cardiology 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

185 - Challenges in the Management of Rupture of Infected Pseudoaneurysm Caused by Vascular Closure Device

Yuika Kameda, Masanori Kato, Bon Inoue, Shintaro Yamazaki, Naohiko Nemoto, Hitoshi Anzai, Ota Memorial Hospital, Ota, Japan

186 - Euglycemic Diabetic Ketoacidosis Caused by a Sodium-Glucose Cotransporter 2 Inhibitor After Coronary Artery Bypass Grafting

Yuika Kameda, Masanori Kato, Bon Inoue, Shintaro Yamazaki, Ota Memorial Hospital, Ota, Japan

187 - A Curious Case of Post-Tussive Paradoxical Paralysis

Karthic Chandran, Lakshmi Katta, Ali Kashkouli, Emory University School of Medicine, Atlanta, GA, USA

188 - Acute Coronary Syndrome in First Trimester of Pregnancy: To Stent, Bypass, or Leave Alone?

Prasanna Manjini Sengodan, Ashwin Durairaj, Christy M. Isler, Kerianne Crockett, Mohamed Fadol Osman, Ashesh N. Buch, East Carolina University, Greenville, NC, USA

189 - Roughing the Circumflex: 15 Yard Penalty For Causing a Chronic Total Occlusion

Yousef Ahmed, Gregory Condos, Justin Cox, Naval Medical Center San Diego, San Diego, CA, USA

190 - Impella RP: A Promising Intervention For Hemodynamic Support in Acute Right Ventricular Failure Caused by Massive Pulmonary Embolism  
Ahmed Taha, Assad Mohammedzein, Kade Carthel, David Brabham, Texas Tech University Health Sciences Center, Amarillo, TX, USA

191 - Iatrogenic Aortic Plaque Dehiscence Caused by Rotational Atherectomy in a Patient With Severe Aortic Stenosis Successfully Treated With Transcatheter Aortic Valve Replacement

Syed Yaseen Naqvi, Erik Howell, Jeffrey Bruckel, Thomas Stuver, University of Rochester Medical Center, Rochester, NY, USA

192 - Profound Anemia, Acute Kidney Injury and "Hematuria" Following Peripheral Angioplasty and Stenting: What Is Your Differential Diagnosis?  
Muhammad W. Choudhry, Murtaza Mazhar, Fawad Virk, Haider Alwash, Mohit Sharma, Loui Rejjal, Umamahesh Rangasetty, University of Texas Medical Branch, Galveston, TX, USA

193 - Complex High Risk Percutaneous Coronary Intervention in a Young Patient With Coronary Involvement With Moyamoya Disease

Namit Rohant, Vince Vismara, University of South Carolina/Palmetto Health, Columbia, SC, USA

194 - A Ballooning Cardiovascular Condition: Revascularization in a Patient With Kawasaki Disease and Coronary Artery Aneurysms

Krishna Upadhyaya, Michael Remetz, Yale New Haven Hospital, New Haven, CT, USA

195 - To Intervene or Not: A Case of Multi-Vessel Spontaneous Coronary Artery Dissection

Eric Robinson, Rolf Kreutz, Krannert Institute of Cardiology, Indianapolis, IN, USA

196 - Unusual Paradoxical Arterial Embolism Involving Right Upper Extremity in a Patient With Pulmonary Embolism and Patent Foramen Ovale

Basel Edris, Waiel Abusnina, George Yousef, Malesa Price, Marshall University, Huntington, WV, USA

197 - Successful Strategy Using Mechanical Circulatory Device For Management of Left Main Occlusion Acute Myocardial Infarction Complicated With Cardiogenic Shock

Ankur Jain, Erik Schneibel, Richard Kerensky, Ellen Keeley, Juan Aranda, R. David Anderson, Michael Massoomi, University of Florida, Gainesville, FL, USA

198 - Arterio-Venous Fistula Formation Following Transradial Coronary Intervention: A Rare Complication

Khader Herzallah, Abdulmohsin Ahmadjee, Yehia Saleh, Ahmad Alratroot, Sherif Elkinany, Michigan State University, East Lansing, MI, USA

199 - A Clot to Remember: Intraoperative Watchman Thrombus Formation

Sanjana Bhatia-Patel, Erik Marshall, Robin Horn, Jhapat Thapa, Wasif

Qureshi, Christiana Care Health System, Newark, DE, USA

200 - Transcatheter Device Closure of a Post-Infarction Basilar Ventricular Septal Rupture in a Patient Presenting With Cardiogenic Shock

Harshith Reddy Avula, Andrew Rassi, Stephanie Chen, Liviu Klein, Jonathan Zaroff, Kaiser Permanente San Francisco Medical Center, San Francisco, CA, USA

201 - Dissecting Out the Cause: A Middle Aged Woman With a Lateral ST Elevation Myocardial Infarction

Devika Kir, Kayle Shapero, Samit Shah, Yale University School of Medicine, New Haven, CT, USA



202 - Serial Angiographic Findings of SCAD Presenting as STEMI in a Young Male

Parvathi Mudigonda, Radha Mehta, Imran Arif, University of Cincinnati, Cincinnati, OH, USA

203 - Long-Term Management Challenges of Spontaneous Coronary Artery Dissection Requiring Initial Percutaneous Intervention

Talha Ahmed, Mukta Srivastava, University of Maryland Midtown Campus, Baltimore, MD, USA, University of Maryland, Baltimore, MD, USA

204 - Early Structural Valve Deterioration of a Balloon Expandable Edward Sapien Valve Treated With Self Expandable Evolut-R Using Transcatheter Valve in Valve Technique

Abdulwahab Hritani, Imaad Razzaque, Amanda Kirby, Suhail Allaqaband, Bijoy K. Khandheria, Daniel P. O'Hair, Renuka Jain, Tanvir Bajwa, 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

205 - A Unique Approach to an Infected Heart: Who You Gonna Call?

Gwyneth E. McNeill, Denise Auberson, Eric Gnall, Sandra Abramson, Lankenau Medical Center, Wynnewood, PA, USA

206 - Stenosis of External Iliac Artery Due to Compression From Previous Stent Placement in Iliac Vein: An Intravascular Ultrasound Guided Approach  
Rahul Vasudev, Nirmal Guragai, Upamanyu Rampal, Hiten Patel, Hartaj Virk, Mahesh Bikina, Shamoan Fayez, St. Joseph Regional Medical Center, Paterson, NJ, USA

207 - Coronary Confusion: Congenital Anomaly of the Left Main Coronary Artery Presenting as a Myocardial Infarction in a Young Female

Mohammed Al-Sadawi, Hassan Alkhwawam, Shakil Shaikh, Michael Haddadin, Murad Almasri, SUNY Downstate, Brooklyn, NY, USA

208 - Innovative Hemostasis Approach to Malfunctioning Axillary Intraaortic Balloon Pump

Mohammad Al-Ani, Sahil Prasada, Christopher Estel, Juan Aranda, Siddharth Wayangankar, University of Florida, Gainesville, FL, USA

### Special - Poster Contributions

#### Session #1167

#### FIT Clinical Decision Making: Arrhythmias and Clinical EP 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

209 - Ventricular Fibrillation Following Coronary Vasospasm

Benjamin Khazan, Ahmed Sadek, Anuj Basil, Temple University Hospital, Philadelphia, PA, USA

210 - Catheter Ablation of Ventricular Tachycardias Originating From Right Ventricular Scar in a Patient With Systemic Sclerosis

Nicholas J. Costa, II, Bruce Lerman, Jim Cheung, Weill Cornell Medical College/NewYork Presbyterian Hospital, New York, NY, USA

211 - Do Not Forget About the T-Wave: A Case Report on Cardiac Memory

Thomas Flautt, Alison Spangler, John Prather, Frank McGrew, Stern Cardiovascular Foundation, Memphis, MS, USA, Magnolia Regional Health Center, Corinth, MS, USA

212 - His Bundle Pacing to Treat Tricuspid Regurgitation Created by Right Ventricular Lead Placement

Thomas Flautt, Alison Spangler, Sandra Charlton, John Prather, Frank McGrew, Stern Cardiovascular Foundation, Memphis, TN, USA, Magnolia Regional Health Center, Corinth, MS, USA

213 - A Case of Intermittent Pre-Excitation and Rapid AV Conduction: Is It Time to Ablate All Pathways?

Ariel Vinas, Dhanunjaya Lakkireddy, Manoj Panday, Ritvik Illindala, Jayasree Pillarisetti, Debanshu Roy, UT Health Science Center, San Antonio, TX, USA

214 - Delayed Perforation of Right Ventricular Lead With Functional "Biventricular" Pacing: To Leave, or Not to Leave?

Hyungjin B. Kim, Yong Ji, Shuktika Nandkeolyar, Purvi Parwani, Tahmeed Contractor, Loma Linda University Medical Center, Loma Linda, CA, USA

215 - Pneumopericardium Due to Esophagopericardial Fistula After Radiofrequency Ablation For Atrial Fibrillation

Mohammad Hashmi, Nareg Minaskeian, Raza Mian, UCSF, Fresno, CA, USA

216 - Dynamic Atrioventricular Block: A Rare Complication of Thyroid Storm  
Chiwei Chang, Abraham Guimaraes, Shadi Mayasy, University of New Mexico, Albuquerque, NM, USA

217 - The Fantasy of External Electrical Cardioversion For Treatment of Intractable Drug Refractory Hiccupps

Hassan Alkhwawam, Dawn Hui, Ali Mehdirad, Saint Louis University School of Medicine, St. Louis, MO, USA

218 - Completely Blocked: An Asymptomatic 20-Year-Old

Megan Smith, Madhav Lavu, Mohammad Kazimuddin, The Medical Center, Bowling Green, KY, USA

219 - Weathering the Storm: Flecainide Induced Ventricular Tachycardia

James Russell, Dana Johnson, Adib Chaus, Scott Miller, Advocate Lutheran General Hospital, Park Ridge, IL, USA

220 - Bradycardia Induced PVCs Versus Exercise Induced PVCs: A Diagnostic Dilemma

Puneet Kumar Gupta, Hemant Godara, University of Missouri HealthCare, Columbia, MO, USA

221 - Scary Ventricular Tachycardia in a Healthy Lady: Is That Common?

Linda Ferrer, Bryan Curry, Lauren Stipp, Aventura Hospital Medical Center, Aventura, FL, USA

222 - Not All Infra-Hisian Block Requires Permanent Pacing

Steven Leung, JoonHyuk Kim, Hua Yang, New York Presbyterian Queens, Queens, NY, USA

223 - Presence of a Left Atrial Lipoma in New Atrial Flutter

Zohair Hasan, Uzair Hasan, Minar Chhetry, Hua Yang, Sahadeo Ramnauth, New York Presbyterian Queens, Flushing, NY, USA

224 - Different Pacing, Same Outcome: Symptomatic Improvement With Both Bi-Ventricular and His-Bundle Pacing

Shuktika Nandkeolyar, Yong Ji, Mary Bato, Ronald Lo, Loma Linda VA Medical Center, Loma Linda, CA, USA

225 - Watch the Watchman: It's Never Too Late For a Complication!

Shuktika Nandkeolyar, Tahmeed Contractor, Purvi Parwani, Loma Linda University Medical Center, Loma Linda, CA, USA

226 - Loss of Adaptive Cardiac Resynchronization Therapy: If You Don't Look You Won't See

Shane Flood, Michael Wu, Lifespan Cardiovascular Institute, Warren Alpert Medical School of Brown University, Providence, RI, USA

227 - Incessant Ventricular Tachycardia in the Setting of Septic Shock Treated With Bilateral Stellate Ganglion Block

Hoang Nguyen, Daya Raman, Chelsea Dean, Rebecca Salvo, Natalie Achamallah, Santa Barbara Cottage Hospital, Santa Barbara, CA, USA



228 - Brain-Heart Connection: Altered Mental Status as a Presenting Symptom of Atrioesophageal Fistula After Catheter Ablation of Atrial Fibrillation  
Prashanth Venkatesh, Eric Yang, Eric Buch, Houman Khakpour, Brenton Bauer, Janet Han, University of California Los Angeles David Geffen School of Medicine, Los Angeles, CA, USA

229 - Syncope and an Intra-Hisian Atrioventricular (AV) Block After Radiation Therapy  
Theresa Ratajczak, Umbreen Hussain, Mohammed Abdulrazzaq, Abdur Rehman, Balaji Shanmugam, Abdul Wase, Wright State University, Dayton, OH, USA

230 - Stereotactic Ablation of Mitral Annular Atrial Tachycardia and Systemic Ventricular Annular Tachycardia in a Fontan Patient  
Pushpa Shivaram, Michael Bykhovskiy, Aamisha Gupta, Adam Berman, Medical College of Georgia, Augusta, GA, USA

231 - A Unique Presentation of Typical Atrial Flutter With One to One Conduction  
Philip Wiener, Srinivas Rajendran, Shalin Shah, Einstein Medical Center, Philadelphia, PA, USA, Largo Medical Center, Largo, FL, USA

232 - Acute Hemoptysis Following Radiofrequency Ablation of Atypical Atrial Flutter  
Binaya Basyal, Carolyn Wu, Harish Jarrett, Zuyue Wang, MedStar Washington Hospital Center, Washington, DC, USA, MedStar Heart and Vascular Institute, Washington, DC, USA

233 - Mitral Annulus Disjunction Arrhythmic Syndrome: A Potential Cause of Ventricular Arrhythmias and Sudden Cardiac Arrest in Young Patients  
Alec Sharp, Adam Price, Whitney Pack, Pankaj Madan, Methodist Healthcare, San Antonio, TX, USA, San Antonio Uniformed Services Health Education Consortium, San Antonio, TX, USA

234 - Post-Myocardial Infarction Left Ventricular Apical Aneurysm Poses Challenges For AICD Lead Revision  
Diana Glovac, Leo Ungar, Teferi Mitiku, University of California Irvine Medical Center, Orange, CA, USA

235 - Code OB: Cardiac Arrest in a Pregnant Patient With Congenital Heart Block  
Emma Hegwood, Asim Ahmed, Aaron Kelkhoff, John Schutzman, St. Vincent Hospital, Indianapolis, IN, USA

236 - Incessant Ventricular Tachycardia with Right Heart Thrombus in Transit  
Anna Plitt, Mohit Turagam, Srinivas Dukkkipati, Barry Love, Mount Sinai School of Medicine, New York, NY, USA

### Special - Poster Contributions Session #1168

**FIT Clinical Decision Making: Heart Failure and Cardiomyopathies 2**  
Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

237 - Beating Inside the Box: Occult Constrictive Pericarditis in a Young Patient With Congenital Hypothyroidism Presenting With Decompensated Congestive Heart Failure  
Ammar Al Akshar, Emily Hiltner, Tudor Vagaonescu, Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ, USA

238 - Improvement of Ejection Fraction in Peripartum Cardiomyopathy With Concomitant Use of Intravenous Immunoglobulin  
Michael Cinelli, Farshid Daneshvar, Jonathan Spagnola, Foad Ghavami, Staten Island University Hospital, Staten Island, NY, USA

239 - Recurrent Syncope in a Female With Mid Ventricular Obstruction  
Moustafa Elsheshtawy, Mahmoud Abdelghany, Michelle Kruse, Krishna Anurag Pulumati, Ashok Khanna, H. Sudhakar Prabhu, Maimonides Medical Center, Brooklyn, NY, USA, Yale University, New Haven, CT, USA

240 - 5-Fluorouracil Induced Coronary Vasospasm and Non-Ischemic Cardiomyopathy Presenting in the Same Patient  
Lin Gao, Tyler Tatsch, Mark Sides, Maurice Willis, Rafic Berbarie, UTMB, Galveston, TX, USA

241 - Persistent Heart Failure in a Patient Supported by Left Ventricular Assist Device Caused by Aortic Valve Paravalvular Leak Treated Successfully With Amplatzer Occluder  
Miguel Castro, Houston Methodist Hospital, Houston, TX, USA

242 - Post Cardiac Transplantation, Rejection Versus Infection, Can Be a Challenge  
Rahul Gupta, Purva Ranchal, Amer Sayed, Kassem Harris, Christopher Nabors, Westchester Medical Center, Valhalla, NY, USA

243 - A Mysterious Case of Right Ventricular Failure  
Nino Mihatov, Emily Lau, Rahul Sakhuja, Rajeev Malhotra, Massachusetts General Hospital, Boston, MA, USA

244 - Eosinophilic Myo-Pericarditis Presenting as Cardiac Tamponade  
Salman Farhat, Mathew T. Olsen, Mohamad Yamani, Mayo Clinic, Jacksonville, FL, USA

245 - Acute Pulmonary Edema and Ventricular Dysfunction Due Adrenergic Myocarditis Associated to Pheochromocytoma  
Luiz Aparecido Bortolotto, Alexandre L. Bortolotto, Rafael Castro, Maria T. S. Sousa, Alexandre Soeiro, Adelaide Pereira, Heart Institute (InCor), Hospital das Clinicas da FMUSP, Sao Paulo, Brazil

246 - Hemorrhagic Pericardial Tamponade as First Presentation of Still's Disease  
Osama Kandalaf, Cullen Owen, Calvin Craig, Abdullah Pervaiz, Baystate Medical Center, Springfield, MA, USA

247 - Tuberculous Effusive-Constrictive Pericarditis  
Zabeer Bhatti, Zohair Hasan, Alexander Volodarsky, Xuming Dai, Yuvrajsinh Parmar, New York Presbyterian Queens, Flushing, NY, USA

248 - Defying the Odds of Sudden Cardiac Death  
Ara Rostomian, Kamran Shamsa, Ronald Reagan University of California Los Angeles Medical Center, Los Angeles, CA, USA

249 - When Your Heart's a Mess, Think of DRESS!  
Osama Kandalaf, Abdullah Pervaiz, Calvin Craig, Shazia Samanani, Anya Filshitsky, Baystate Medical Center, Springfield, MA, USA

250 - Babesiosis Associated Myocarditis  
Osama Kandalaf, Calvin Craig, Abdullah Pervaiz, William Hiser, Baystate Medical Center, Springfield, MA, USA

251 - An Atypical Presentation of Myopericarditis Leading to Diagnosis of Cardiac Amyloidosis  
Beth Foreman, Sakima Smith, Jim Liu, The Ohio State University Medical Center, Columbus, OH, USA

252 - Acute Onset Autonomic Dysfunction as an Early Manifestation of Chagas Disease  
Nickolas O. Dohmann, Carolina Cunto De Athayde, Monica Luna, Andrea Cristina Silva da Costa, Sebastiao Carlos Castilho, Nadia Albuquerque, Fabio Akio Nishijuka, Sabrina Pedrosa, Leonardo Nunes, Marcia Campos, Renata Castro, Hospital Naval Marcilio Dias, Rio de Janeiro, Brazil



253 - Classical and Reverse Takotsubo Cardiomyopathy Presenting in the Same Patient

Khader Herzallah, Abdulmohsin Ahmadjee, Yehia Saleh, Ahmad Alrroot, George Abela, Michigan State University, East Lansing, MI, USA

254 - Left Ventricular Assist Device Gastric Erosion

Anusha Ganapati Bhat, Osama Kandalaft, Sheila Shoemaker, Mara Slawsky, Baystate Medical Center, Springfield, MA, USA

255 - Iron Man: A Profile of Hereditary Hemochromatosis

Thomas Wilson, Andy Kieu, Louie Kostopoulos, Patrycja Galazka, A. Jamil Tajik, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

256 - A Case of Pembrolizumab Induced Fulminant Myocarditis

Evgeny Shkolnik, Raj Ganeshan, John-Ross Clarke, Sarah Hull, Lauren Baldassarre, Yale New Haven Health Bridgeport Hospital, Bridgeport, CT, USA, Yale University School of Medicine, New Haven, CT, USA

257 - Management of Cardiogenic Shock in a Patient With Endomyocardial Fibrosis Restrictive Cardiomyopathy

Pablo José González Velásquez, Juan Carlos De la Fuente-Mancera, Instituto Nacional de Cardiología Ignacio Chávez, Mexico City, Mexico

258 - Restrictive Cardiac Filling Associated With Large Left Pleural Effusion and Acute Pericarditis Is Alleviated by Thoracentesis

Xinjiang Cai, Alberta Warner, Janet Han, VA Greater Los Angeles Medical Center, Los Angeles, CA, USA, Ronald Reagan UCLA Medical Center, Los Angeles, CA, USA

259 - Geriatric Care For Giant Cell Myocarditis: Biventricular Impella and Immunosuppression

Janet Ma, Htet Khine, Michela Brambatti, Nicholas Wettersten, Paul Kim, Eric Adler, University of California, San Diego, La Jolla, CA, USA

260 - Fever of Unknown Origin Post-Cardiac Transplantation

Leila Haghighat, corey o'brien, Kerrilynn Carney, Christopher Maulion, Santiago Delgado, Matthew Grant, Tariq Ahmad, Yale New Haven Hospital, New Haven, CT, USA

261 - Takotsubo Cardiomyopathy With Left Ventricular Thrombus and Stroke in a Man With No Trigger: A Very Rare Constellation

Seth Lichtenstein, Nidhi Madan, Dinesh Kalra, Rush University Medical Center, Chicago, IL, USA

262 - Progressive Cardiomyopathy and New Heart Block in a Patient After Transcatheter Aortic Valve Replacement: When Occam's Razor Fails

Sarah Snow, Hilary Shapiro, Yichun M. Fang, Jesse Currier, UCLA Medical Center, Los Angeles, CA, USA, Veteran Affairs Greater Los Angeles Healthcare System, Los Angeles, CA, USA

263 - A Curious Case of Myopericarditis

corey o'brien, Leila Haghighat, Angela Higgins, Amit Arbune, Lauren Baldassarre, Yale-New Haven Hospital, New Haven, CT, USA

264 - Atypical Use of Venovenous Extracorporeal Membrane Oxygenation in Peripartum Cardiomyopathy

Abhas Khurana, Toishi Sharma, Sonal Pruthi, Rohini Manaktala, Gaurav Manek, Jason Gluck, Hartford Hospital, Hartford, CT, USA, University of Connecticut, Farmington, CT, USA

### Valvular Heart Disease - Poster Contributions Session #1182

#### Valvular Heart Disease: Clinical 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

457 - Trends and Predictors of 30-Day Readmission Among Patients With Infective Endocarditis in the United States From 2010 to 2014  
Deepak Kumar Pasupula, Anusha Bhat, Sudeep Siddappa Malleshappa, Amir Lotfi, Mara Slawsky, Samir Saba, University of Pittsburgh Medical Center, Pittsburgh, PA, USA, Baystate Medical Center, Springfield, MA, USA

458 - Incidentally Detected Cardiac Amyloidosis at the Time of Mitral Valve Surgery: Incidence and Surgical Outcomes

Bo Xu, Carlos Godoy Rivas, E. Rodriguez, Carmela Tan, A. Gillinov, Christine Jellis, Serge Harb, Brian Griffin, Cleveland Clinic, Cleveland, OH, USA

459 - Prognostic Impact of Left Ventricular Mass Index Regression After Transcatheter Aortic Valve Replacement in Patients With Left Ventricular Hypertrophy

Jin Kyung Oh, Dae-Hee Kim, Jong-Min Song, Seung-Ah Lee, Do-Yoon Kang, Sahmin Lee, Duk-Woo Park, Duk-Hyun Kang, Jae-Kwan Song, Seung-Jung Park, Asan Medical Center, Seoul, South Korea

460 - Prevalence of Non-Ischemic Valvular Diseases: An Epidemiological Study of a Black Inner-City Population

Phyllis Supino, Jason Lazar, Miriam Vincent, Antony Innasimuthu, Sanjay Kumar, Sriya Avadhani, Ofek Hai, Ridita Nizam, Jeffrey Borer, SUNY Downstate Medical Center, Brooklyn, NY, USA

461 - Infective Endocarditis Trends Amongst Intravenous Drug Users: An Examination of Practice Patterns in a Mid-Western Tertiary Care Center

Serena Day, Neha Patel, Scott Maffett, Ohio State University, Columbus, OH, USA

462 - Outcomes of Patients With Prior Mediastinal Radiotherapy Who Developed Predominantly Mitral Valve Disease Requiring Surgery

Eoin Donnellan, Alaa Alashi, Douglas Johnston, A. Gillinov, Lars Svensson, Brian Griffin, Milind Desai, Cleveland Clinic, Cleveland, OH, USA

463 - Impact of Renal Dysfunction on Acceleration of Aortic Stenosis: A Meta Analysis

Navneet Sharma, Prateek Sharma, Paul Kim, Ramsey Kalil, Noelle Mann, Hal Skopicki, Puja Parikh, Stony Brook University, Stony Brook, NY, USA

464 - Impact of TAVI on Valve Prosthesis Selection in Australia

Justin Chan, Aashray Gupta, Andreas Kiermeier, Michael Worthington, Guy Maddern, University of Adelaide, Adelaide, Australia, Royal Adelaide Hospital, Adelaide, Australia

469 - Impact of Tricuspid Disease in Patients With Congestive Heart Failure and Mitral Valve Disease: A Nationwide Cohort Study

Amer N. Kadri, Rama Dilip Gajulapalli, Yasser Sammour, Johnny Chahine, Leen Nusairat, Mohamed Gad, Yasser Al-Khadra, Adrian Hernandez, Serge Harb, Samir Kapadia, Cleveland Clinic, Cleveland, OH, USA

470 - National Trends and Characteristics of Infective Endocarditis Associated With Drug Abuse

Amer N. Kadri, Leen Nusairat, Brian Griffin, Steve Gordon, Gosta Pettersson, Samir Kapadia, Serge Harb, Cleveland Clinic, Cleveland, OH, USA

471 - Impact of Contractile Reserve by Dobutamine Stress Echocardiography in Low-Gradient Aortic Stenosis Who Underwent Aortic Valve Procedure

Kimi Sato, Samir Kapadia, Amar Krishnaswamy, Stephanie Mick, Milind Desai, Brian Griffin, Lars Svensson, Zoran Popovic, Cleveland Clinic, Cleveland, OH, USA



472 - Faster Progression of Aortic Stenosis Following an Acute Myocardial Infarction

Amélie Paquin, Charlotte Robitaille, Ons Marsit, Sandra Hadjadj, Philippe Pibarot, Marie-Annick Clavel, Jonathan Beaudoin, Institut Universitaire de Cardiologie et de Pneumologie de Québec, Québec, Canada

473 - Factors Affecting Aortic Stenosis Progression in Elderly Women and Long-Term Follow Up: Effect of Serum Calcium

Rakhee R. Makhija, Sandhya Venugopal, William Lewis, Ezra Amsterdam, University of California, Davis, Sacramento, CA, USA

474 - Aortic Valve Calcium Score and Aortic Valve Gradient

Ramy Mando, Amr E. Abbas, Michael Gallagher, George S. Hanzel, Francis Shannon, Rami Khoury Abdulla, Beaumont Health System, Royal Oak, MI, USA

### Vascular Medicine - Poster Contributions

#### Session #1180

#### Vascular Medicine: Basic 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

449 - Advanced Glycation End Products Impair Kv-Mediated Vasodilation by Activating NF-κB Pathway of Coronary Arteries in Zucker Diabetic Fatty Rats

Qingbo Liu, Bing Hua, Side Gao, Hehe Cui, Hui Chen, Weiping Li, Hongwei Li, Beijing Friendship Hospital, Capital Medical University, Beijing, People's Republic of China

450 - Spontaneous Ruptured Aortic Plaques Are More Frequent: Novel Insights From Angioscopy

Sei Komatsu, Satoru Takahashi, Mitsuhiro Takewa, Tomoki Ohara, Atsushi Hirayama, Chikao Yutani, Kazuhisa Kodama, Osaka Gyomeikan Hospital, Osaka, Japan

451 - Prevalence, Indications, and Outcomes of Stacked Vena Cava Filters

Meghana G. Halkar, Robert Ward, Erica M. Knavel Koepsel, Haraldur Bjarnason, Robert McBane, Damon Houghton, Mayo Clinic, Rochester, MN, USA

452 - Eicosapentaenoic Acid Inhibits Membrane Lipid Oxidation in a Concentration-Dependent Manner at Pharmacologic Doses *In Vitro*

R. Preston Mason, Samuel C. R. Sherratt, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA, Elucida Research LLC, Beverly, MA, USA

453 - Relationship Between Soluble F11 Receptor, Total Nitric Oxide Levels, and Vascular Function in African Americans With Type II Diabetes

Ajibola Monsur Adedayo, Ayobami Eluwole, Fasika Tedla, Arye Kremer, Nicole Mastrogianni, Muhammad Afzal Khan, Carl Rosenberg, Paul Dreizen, John LaRosa, Louis Saliccioli, Mohamed Boutdjir, Mary Ann Banerji, Clinton Brown, Moro Salifu, Jason Lazar, Ahmed Bakillah, SUNY Downstate Medical Center, Brooklyn, NY, USA

454 - Mir-320a Induces Diabetic Nephropathy Via Inhibiting MafB

Chen Chen, Mengying He, Zhongwei Yin, Yanru Zhao, Dao Wen Wang, Tongji Hospital, Wuhan, People's Republic of China

### Vascular Medicine - Poster Contributions

#### Session #1181

#### Vascular Medicine: Non Coronary Arterial Disease 2

Saturday, March 16, 2019, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall F

CME Hours: /CNE Hours:

455 - Clinical Course and Prognostic Factors of Pediatric Takayasu's Arteritis: Comprehensive Analysis of 101 Patients Over 15-Year Span

Luyun Fan, Huimin Zhang, Jun Cai, Fuwai Hospital, CAMS & PUMC, Beijing, People's Republic of China

456 - Determinants of Trunk Muscle Size Decrease in Patients With Acute Aortic Dissection

Keiichi Tsuchida, Kenji Nakano, Norihito Oyanagi, Rie Akagawa, Mitsuo Ishizuka, Takahiro Hakamata, Komei Tanaka, Yukio Hosaka, Kazuyoshi Takahashi, Hiroataka Oda, Niigata City General Hospital, Niigata, Japan

465 - Clinical Indicators and Coronary Angiographic Features of Expansive Artery Remodeling in Patients With Abdominal Aortic Aneurysm

Hirohisa Endo, Tomotaka Dohi, Shizuyuki Dohi, Hideki Wada, Shinichiro Doi, Yoshiteru Kato, Iwao Okai, Hiroshi Iwata, Shinya Okazaki, Kikuo Isoda, Taira Yamamoto, Katsumi Miyauchi, Atsushi Amano, Hiroyuki Daida, Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo, Japan, Department of Cardiovascular Surgery, Juntendo University Graduate School of Medicine, Tokyo, Japan

466 - The Association of Perceived Stress With Health Status Outcomes in Patients With Peripheral Artery Disease

Ali O. Malik, Poghni Peri-Okonny, Jeremy Provance, Kensey Gosch, Merrill Thomas, Clementine Labrosciano, John A. Spertus, Kim Smolderen, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

467 - Susceptible Population For Fluoroquinolone-Associated Aortic Dissection and Aortic Aneurysm: A Population-Based Analysis

Ronan Hsieh, Meng-Tse Gabriel Lee, Lorenzo Porta, Wan-Chien Lee, Sie-Huei Lee, Shy-Shin Chang, Shyr-Chyr Chen, Chien-Chang Lee, Albert Einstein Medical Center, Philadelphia, PA, USA, National Taiwan University Hospital, Taipei, Taiwan, ROC

468 - Clinical Significance of the Presence of Puff-Chandelier Ruptures Detected by Non-Obstructive Aortic Angioscopy: A Retrospective Multicenter Cohort Study

Masao Yamaguchi, Masahiro Hoshino, Tomoki Horie, Haruhito Yuki, Hidenori Hirano, Yoshinori Kanno, Yohei Sumino, Hiroaki Ohya, Masahiro Hada, Yoshihisa Kanaji, Taishi Yonetsu, Tsunekazu Kakuta, Tsuchiura Kyodo General Hospital, Tsuchiura, Japan

475 - Cardiac and Cerebrovascular Manifestations of Eosinophilic Granulomatosis With Polyangiitis

Muhammad Wajih Ullah, Alvise Berti, Garvan Kane, Ulrich Specks, Karina A. Keogh, Mayo Clinic, Rochester, MN, USA

476 - Atrial Fibrillation Worsens In-Hospital Outcomes of Aortic Dissection Patients, Nationwide Study of 2016

Hassan Beydoun, Faris Haddadin, Alba Munoz Estrella, Vivek Modi, Dhruvajyoti Bandyopadhyay, Icahn School of Medicine at Mount Sinai St. Luke's and West, New York, NY, USA

### Special - Gaming

#### Session #6002

#### Engage @ACC.19 Studio: FIT Jeopardy II

Saturday, March 16, 2019, 1:45 p.m. - 3:45 p.m.

Engage@ACC.19

CME Hours: 2 /CNE Hours: 2

Co-Chair: Srinath Adusumalli

Co-Chair: Nkechinyere Nwamaka Ijioma

1:45 p.m.

Group 5: Delaware, New Mexico, Florida, Washington DC

2:15 p.m.

Group 6: North Carolina, New Jersey, Alabama, Texas



2:45 p.m.

Group 7: Kentucky, Massachusetts, Hawaii, Pennsylvania

3:15 p.m.

Group 8: Canada, California, Arizona, Washington

### Acute and Stable Ischemic Heart Disease - Scientific Session #625

#### Practical Evaluation of Stable Ischemic Heart Disease: Past, Present and Future

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 217

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jamieson M. Bourque

Co-Chair: Viviany R. Taqueti

2:00 p.m.

Diagnostic Strategies in Stable Ischemic Heart Disease: Does One Size Fit All?

Jamieson M. Bourque

Charlottesville, VA

2:12 p.m.

FFR-CT: Having Your Cake and Eating it too?

James Min

New York, NY

2:24 p.m.

Advanced Cardiovascular Imaging: Is Cath Always the Next Step After Positive Stress?

Marcelo F. Di Carli

Boston, MA

2:36 p.m.

Is Ischemia Relevant and Will the ISCHEMIA Trial Change the Narrative?

Viviany R. Taqueti

Boston, MA

2:48 p.m.

Diagnosis of SIHD - Case #1

Adrian Loffler

Charlottesville, VA

2:53 p.m.

Diagnosis of SIHD - Case #2

Abel Casso Dominguez

New York, NY

2:58 p.m.

Audience ARS Question

Jamieson Bourque

Charlottesville, VA

2:59 p.m.

Audience ARS Question

Viviany Taqueti

Boston, MA

3:00 p.m.

Audience Question and Answer and Discussion With the Experts

### Acute and Stable Ischemic Heart Disease - Scientific Session #626

#### Advanced Management of Coronary Artery Disease - Thinking Beyond the Routine: Joint Symposium of the Society of Thoracic Surgeons and the American College of Cardiology

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 211

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Pavan Atluri

Co-Chair: Karen Kim

2:00 p.m.

Radial Artery Utilization in the Modern Era, Data and Recommendation

Mario Gaudino

New York, NY

2:10 p.m.

Panel Discussion

2:15 p.m.

Is There an Advantage in Bilateral IMA Utilization?

Arman Kilic

Pittsburgh, PA

2:25 p.m.

Discussion

2:30 p.m.

Hybrid Coronary Revascularization: Current Status and Future Recommendations

Michael E. Halkos

Atlanta, GA

2:40 p.m.

Discussion

2:45 p.m.

How Does PCI Compare to a Saphenous Vain Graft?

Taisei John Kobayashi

Philadelphia, PA

2:55 p.m.

Discussion

3:00 p.m.

Debate: Complex Case Multivessel Coronary Artery Disease - PCI

Annapoorna Subhash Kini

New York, NY

3:08 p.m.

Debate: Complex Case Multivessel Coronary Artery Disease: CABG

Zane Atkins

Seattle, WA

3:16 p.m.

Management of Combined Carotid and Coronary Disease

Grayson H. Wheatley, III

Nashville, TN

3:25 p.m.

Discussion



### Arrhythmias and Clinical EP - Scientific

#### Session #623

#### Device Mini-debates - Making Complex Choices in Uncertain Areas

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 357

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Mitchell N. Faddis

Co-Chair: Kevin Jackson

2:00 p.m.

Case Presentation #1 Patient With Heart Failure and LBBB - Biventricular or His Pacing?

Curtis Steyers

Saint Louis, MO

2:05 p.m.

Case 1 Debate: Patient With Heart Failure and LBBB - Biventricular Pacing Is Best

Valentina Kutyifa

Rochester, NY

2:10 p.m.

Case 1 Debate: Patient With Heart Failure and LBBB - His Pacing Is Best

Aditya Saini

Richmond, VA

2:15 p.m.

Question and Answer

2:19 p.m.

Case Presentation #2 Permanent AF and Bradycardia - Leadless Pacemaker or His Pacemaker for Best Outcome.

Marcellus Francis L. Ramirez

Quezon City, Philippines

2:24 p.m.

Case 2 Debate: Permanent AF and Bradycardia - Leadless Pacemaker for Best Outcome.

Mikhael El-Chami

Atlanta, GA

2:29 p.m.

Case 2 Debate: Permanent AF and Bradycardia - His Pacemaker for Best Outcome

Huang Weijian

China

2:34 p.m.

Question and Answer

2:38 p.m.

Case Presentation #3 CHB After TAVR in Patient With EF < 35% - Minimal or Maximal Device Therapy?

Swapna Sharma

Lebanon, NH

2:43 p.m.

Case 3 Debate: CHB After TAVR in Patient With EF < 35% - Minimal Device Therapy for Best Outcome

Emily Zeitler

Lebanon, NH

2:48 p.m.

Case 3 Debate: CHB After TAVR in Patient With EF < 35% - Maximal Device Therapy for Best Outcome

Gaurav Upadhyay

Chicago, IL

2:53 p.m.

Question and Answer

2:57 p.m.

Case #4 Patient With RV Lead and TR: Is Extraction Worthwhile?

Ugur Kucuk

Rochester, MN

3:01 p.m.

Case 4 Debate: Patient With RV Lead and TR: The Extractionist's View

Peter J. Zimetbaum

Boston, MA

3:06 p.m.

Case 4 Debate: Patient With RV Lead and TR: The Surgeon's View

Marc R. Moon

Saint Louis, MO

Question and Answer

3:11 p.m.

Case #5 Patient With AF and CAD Undergoing PCI: Should LAAO Be Performed?

Gordon Ho

San Diego, CA

3:16 p.m.

Case #5 Patient With AF and CAD Undergoing PCI: LAAO Should Be Performed

Jonathan Hsu

San Diego, CA

3:21 p.m.

Case #5 Patient With AF and CAD Undergoing PCI: OAC Is Preferable to LAAO

Brian F. Gage

Saint Louis, MO

3:26 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #624

#### ACC/AHA/HRS and ESC Guidelines on Syncope: Case-based Studies

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 355

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Suzanne Feigofsky

Co-Chair: Win-Kuang Shen

Panelist: Jane Chen

Panelist: Andrew D. Krahn

2:00 p.m.

Syncope and Conduction Disease - Which Test for Whom?

Robert S. Sheldon

Calgary, Canada

2:12 p.m.

Question and Answer



2:18 p.m.  
Neurocardiogenic Syncope and Pauses - Who Needs a Pacemaker?  
Kimberly A. Selzman  
Salt Lake City, UT

2:30 p.m.  
Question and Answer

2:36 p.m.  
Harbingers of Doom? Who Needs a Syncope Unit?  
Zachary D. Goldberger  
Middleton, WI

2:48 p.m.  
Question and Answer

2:54 p.m.  
Grey Area Syncope - The Toughest Cases  
Sandhu Roopinder  
Canada

3:06 p.m.  
Question and Answer

3:12 p.m.  
Varying Interpretations - Making Sense of Syncope Recommendations  
Brian Olshansky  
Iowa City, IA

3:24 p.m.  
Panel Discussion With Question and Answer

**Congenital Heart Disease - Scientific**  
**Session #627**  
**Imaging Innovation Hub for Congenital Heart Disease**  
**Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.**  
**Room 338**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Andrew J. Powell  
Co-Chair: Shubhika Srivastava

2:00 p.m.  
Artificial Intelligence in Diagnostic Imaging: Will I Still Have a Job?  
Partho P. Sengupta  
Morgantown, WV

2:12 p.m.  
Discussion

2:16 p.m.  
Audience ARS Question  
Shubhika Srivastava  
New York, NY

2:17 p.m.  
3D Heart Models: Hot Toy or Sharp Tool?  
Matthew Bramlet  
Indianapolis, IN

2:29 p.m.  
Discussion

2:33 p.m.  
Audience ARS Question  
Shubhika Srivastava  
New York, NY

2:34 p.m.  
Ultrafast Ultrasound: A New Window on Blood Flow and Myocardial Mechanics  
Jens-Uwe Voigt  
Leuven, Belgium

2:46 p.m.  
Discussion

2:50 p.m.  
Audience ARS Question  
Shubhika Srivastava  
New York, NY

2:51 p.m.  
Coronary Fractional Flow Reserve Using CT Angiography: Utility in Pediatric/Congenital Disease  
Brian B. Ghoshhajra  
Boston, MA

3:03 p.m.  
Discussion

3:07 p.m.  
Audience ARS Question  
Shubhika Srivastava  
New York, NY

3:08 p.m.  
MRI-guided Catheterization: See What You've Been Missing  
Kanishka Ratnayaka  
San Diego, CA

3:20 p.m.  
Discussion

3:29 p.m.  
Audience ARS Question  
Shubhika Srivastava  
New York, NY

**Heart Failure and Cardiomyopathies - Scientific**  
**Session #628**  
**Clinical Pearls in Managing HFpEF**  
**Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.**  
**Room La Nouvelle B**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Margaret M. Redfield  
Co-Chair: Amil Shah

2:00 p.m.  
Does My Patient Have HFpEF: Is There an Algorithm?  
Margaret M. Redfield  
Rochester, MN

2:12 p.m.  
Biomarkers in HFpEF: Do They Have a Role?  
Jennifer Ho  
Boston, MA

2:24 p.m.  
Exercise Hemodynamics: When to Test and What Do the Numbers Mean?  
Barry Borlaug  
Rochester, MN





2:36 p.m.

The Role of the Right Ventricle and Pulmonary Hypertension in HFpEF

Eldrin F. Lewis  
Needham, MA

2:51 p.m.

Is it HFpEF, Recovered or Mid-Range LVEF: Are They Different or the Same?

Amil Shah  
Boston, MA

3:03 p.m.

Challenging Cases in My Everyday Practice

Yogesh N V Reddy  
Rochester, MN

3:15 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session #629

**Cardio-Oncology Case Challenges: Discussion with the Experts**

**Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.**

**Room La Nouvelle C**

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

Co-Chair: Bonnie Ky

Co-Chair: Joshua Mitchell

Panelist: Jean-Bernard Durand

Panelist: Susan Dent

Panelist: Chris Domenico

Panelist: Anecita Fadol

Panelist: Fernando Florenzano

2:00 p.m.

Case Presentation: Challenging Cases in Cardio-Oncology

Richard Cheng  
Bellevue, WA

2:07 p.m.

Panel Discussion with Question and Answer

2:22 p.m.

Case Presentation: Challenging Cases in Cardio-Oncology

Deborah W. Sundlof  
Hellertown, PA

2:30 p.m.

Panel Discussion with Question and Answer

2:42 p.m.

Case Presentation: Challenging Cases in Cardio-Oncology

Charles B. Porter  
Kansas City, MO

2:49 p.m.

Panel Discussion with Question and Answer

2:56 p.m.

Case Presentation: Challenging Cases in Cardio-Oncology

Rupal O'Quinn  
Philadelphia, PA

3:02 p.m.

Panel Discussion with Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session #630

**Acute Heart Failure: What Do We Know? Where Can We go?**

**Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.**

**Room 257**

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

Co-Chair: Robert John Mentz

Co-Chair: Garrick Stewart

2:00 p.m.

Acute Heart Failure: Disparities in Care

Alanna A. Morris  
Atlanta, GA

2:10 p.m.

Question and Answer

2:12 p.m.

Acute Heart Failure Exacerbations: Key Drugs to Avoid

Robert Page  
Aurora, CO

2:22 p.m.

Question and Answer

2:24 p.m.

Best Markers to Follow in Acute Heart Failure

Marco Metra  
Brescia, Italy

2:34 p.m.

Question and Answer

2:36 p.m.

Drug Therapies in Acute Heart Failure: The Old and New, What Works and What Doesn't?

John R. Teerlink  
San Francisco, CA

2:46 p.m.

Question and Answer

2:48 p.m.

Acute Heart Failure: Best Practices From Indonesia

Mohd firdaus Hadi  
Indonesia

2:58 p.m.

Question and Answer

3:00 p.m.

Acute Heart Failure Research: What Does the Future Hold?

Wayne C. Levy  
Shoreline, WA

3:10 p.m.

Question and Answer

3:12 p.m.

Case Presentation

Garrick Stewart  
Boston, MA

3:17 p.m.

Panel Discussion



### Interventional Cardiology - Live Cases

#### Session #201

#### Interventional Live Case Session II: Peripheral Transmission from Piedmont Heart Institute

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

ACC.19 Main Tent (Great Hall)

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Subhash Banerjee

Co-Chair and Digital Moderator: Nelson L. Bernardo

Panelist: Ehrin J. Armstrong

Panelist: William Schuyler Jones

Panelist: Kenneth Rosenfield

Panelist: Mehdi H. Shishehbor

Panelist: Rajesh V. Swaminathan

Panelist: Christopher J. White

Interventional Cardiology - Scientific

### Interventional Cardiology - Scientific

#### Session #633

#### Mitral Valve Interventions: Transcatheter Mitral Valve Repair

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 208

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Anita W. Asgar

Co-Chair: Saibal Kar

Panelist: David J. Cohen

Panelist: Tarek Helmy

Panelist: Michael J. Rinaldi

Panelist: Mary Zellinger

2:00 p.m.

Part I: Heart Failure and Functional Mitral Regurgitation

2:00 p.m.

Which Patients With FMR and Heart Failure Benefit From Therapy

William T. Abraham

Columbus, OH

2:20 p.m.

Case Presentation and Discussion

Anita W. Asgar

Outremont, Canada

2:30 p.m.

Part II: Transcatheter Mitral Annuloplasty

2:30 p.m.

Trial Update for Transcatheter Mitral Annuloplasty in Secondary MR

Samir R. Kapadia

Cleveland, OH

2:37 p.m.

Debate: Transcatheter Mitral Leaflet Repair Is the Repair Technique of Choice

Saibal Kar

Los Angeles, CA

2:44 p.m.

Debate: Transcatheter Mitral Annuloplasty Is the Repair Technique of Choice

Ralph Stephan von Bardeleben

Mainz, Germany

2:51 p.m.

Audience Question and Answer

3:00 p.m.

Part III: Combined Mitral and Tricuspid Valve Disease

3:00 p.m.

Which Patients Need Combined Valve Treatment

Gilbert Hin-Lung Tang

New York, NY

3:10 p.m.

Debate: Mitral and Tricuspid Valve Clipping: Who and When?

Neil Fam

Toronto, Canada

3:20 p.m.

Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #634

#### 30 Years of TCT: Progress and Controversies in Interventional Cardiology, a Joint Symposium by the Cardiovascular Research Foundation and the American College of Cardiology

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 206

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Martin B. Leon

Co-Chair: Gregg W. Stone

2:00 p.m.

Part I: PCI Controversies

Panelist: Ajay J. Kirtane

Panelist: Roxana Mehran

Panelist: Jeffrey W. Moses

2:00 p.m.

Personal Position Statement: "All Patients With Cardiogenic Shock Should Receive Advanced Mechanical Circulatory Support"

William W. O'Neill

Detroit, MI

2:08 p.m.

Roundtable Discussion With Audience Question and Answer

2:18 p.m.

Personal Position Statement: "Patients With Stable Ischemic Heart Disease Are Best Managed Conservatively Until Truly Refractory Symptoms Develop"

David Joel Maron

Stanford, CA

2:26 p.m.

Roundtable Discussion With Audience Question and Answer

2:36 p.m.

Part II: Structural Heart Disease Controversies

Panelist: Susheel K. Kodali

Panelist: Michael J. Mack

Panelist: Fabian Nietlispach

2:36 p.m.

Personal Position Statement: "TAVR for Low Risk Patients is the New Standard of Care"

Martin B. Leon

New York, NY

2:44 p.m.

Roundtable Discussion With Audience Question and Answer



2:54 p.m.

Personal Position Statement: "Transcatheter MV Repair for Secondary Mitral Regurgitation is the New Standard of Care"

Gregg W. Stone  
New York, NY

3:02 p.m.

Roundtable Discussion With Audience Question and Answer

3:12 p.m.

Personal Position Statement: "LAA Closure Should be Offered as First-line Therapy for Non-valvular Atrial Fibrillation"

David J. Hildick-Smith  
Ringmer, United Kingdom

3:20 p.m.

Roundtable Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #635

**Stay Away From the Light: Emotional Experiences in the Cath Lab**  
Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 203

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Emmanouil S. Brilakis  
Co-Chair: Eric Alexander Secemsky  
Panelist: Khaldoon Alaswad  
Panelist: Douglas E. Drachman  
Panelist: Mamas A. Mamas

2:00 p.m.

Coronary Complication 1: Iatrogenic Dissection Gone Bad

James T. DeVries  
Hanover, NH

2:10 p.m.

Coronary Complication 2: Perforation and How I Dealt With It

Manish A. Parikh  
New York, NY

2:20 p.m.

Panel Discussion With Audience Question and Answer

2:30 p.m.

Femoral Access Complication 1: Femoral Artery Perforation Requiring a

Covered Stent  
Elliott Groves  
Chicago, IL

2:40 p.m.

Femoral Access Complication 2:

Michael Young  
Lebanon, NH

2:50 p.m.

Panel Discussion With Audience Question and Answer

3:00 p.m.

Radial Access Complication 1: Radial Artery Perforation

Dmitri V. Baklanov  
Kansas City, MO

3:10 p.m.

Radial Access Complication 2: I Can't Remove My Gear

William L. Lombardi  
Univ Of Washington, WA

3:20 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Core Curriculum

#### Session #803

**Core Curriculum: Interventional Cardiology: To Stent or Not to Stent**  
Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 343

CME Hours: 1.5 /CNE Hours: 1.5

Chair: Eugene Yang

2:00 p.m.

CTO or Bust!  
Farouc A. Jaffer  
Boston, MA

2:20 p.m.

Multivessel PCI or Die  
Joseph Atiah Akamah  
Cantonments-Accra, Ghana

2:40 p.m.

Just Say No to PCI  
William E. Boden  
Boston, MA

3:00 p.m.

Panel Discussion Moderator  
Eugene Yang  
Bellevue, WA

3:00 p.m.

Panel Discussion with Question and Answer

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

#### Session #631

**Cardiac CT for Diagnosing and Guiding Treatment in Structural Heart Diseases**

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 254

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Victoria Delgado

Co-Chair: Aloha Meave  
Panelist: Stephan Achenbach  
Panelist: Philippe Pibarot  
Panelist: Victoria Delgado  
Panelist: Hasan Jilaihawi  
Panelist: Stephen Henry Little  
Panelist: Todd C. Villines

2:00 p.m.

CT for TAVR Planning in 2019: What Have We Learned?

Stephan Achenbach  
91054 Erlangen, Germany

2:12 p.m.

Calcium Scoring of the Aortic Valve to Better Assess Severity in Low-Flow Aortic Stenosis  
Philippe Pibarot  
Quebec, Canada

2:24 p.m.

Post-TAVR CT: Just as Important as Pre-TAVR Imaging?

Hasan Jilaihawi  
New York, NY



2:36 p.m.

Does CT Play as Central a Role for TMVR as it Does for TAVR: The NeoLVOT and "Skirt" Neo-LVOT Concept  
Victoria Delgado  
Leiden, Netherlands

2:48 p.m.

3D Printing: Nice to Have or Necessity?  
Stephen Henry Little  
Houston, TX

3:00 p.m.

The Evolving Role of Cardiac CT in Endocarditis: What Do the Guidelines Say?  
Todd C. Villines  
Rockville, MD

3:12 p.m.

Panel Discussion

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

#### Session #632

#### Cutting Edge Echo --You Can Use it Too: Joint Symposium of the American Society of Echocardiography and the American College of Cardiology

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 244

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Vera H. Rigolin

Co-Chair: Madhav Swaminathan

2:00 p.m.

Artificial Intelligence Is Already Present in Your Echo Machine  
Neil J. Weissman  
Washington, DC

2:15 p.m.

Automated 3D Assessment of Valvular Heart Disease  
Zainab Samad  
Durham, NC

2:30 p.m.

Strain: Is This the New EF?  
Juan Carlos Plana  
Houston, TX

2:45 p.m.

Niche Applications for Echo Contrast  
Sharon L. Mulvagh  
Halifax, Canada

3:00 p.m.

Innovation in Point of Care Ultrasound  
Samreen Raza  
Dallas, TX

3:15 p.m.

Question and Answer

### Prevention - Scientific

#### Session #636

#### Just Tell Me the Fa(c)ts About the New Cholesterol Guideline!

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 228

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Glenn N. Levine

Co-Chair: Neil J. Stone

2:00 p.m.

What's New and What's Not  
Neil J. Stone  
Winnetka, IL

2:08 p.m.

Primary Prevention: ASCVD Risk assessment and Treatment  
Donald M. Lloyd-Jones  
Chicago, IL

2:14 p.m.

Risk Enhancers in Primary ASCVD Prevention  
Roger S. Blumenthal  
Baltimore, MD

2:20 p.m.

Secondary Prevention: When is a Statin Not Enough?  
Salim Virani  
Houston, TX

2:26 p.m.

Management of Patients With High LDL-C  
Carl E. Orringer  
Miami, FL

2:32 p.m.

Diabetes and Lipid Lowering Therapy  
Laurence S. Sperling  
Atlanta, GA

2:38 p.m.

Women and Older Adults  
Lynne Braun  
Chicago, IL

2:44 p.m.

Ethnic Considerations  
Joseph Yeboah  
Winston Salem, NC

2:50 p.m.

Putting It all Together  
Kim Birtcher  
Houston, TX

2:55 p.m.

How Can ACC.org Help You Implement Cholesterol Guidelines in Your Practice  
Tyler J. Gluckman  
Portland, OR

3:30 p.m.

Audience Discussion and Question and Answer

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

#### Session #637

#### State of the Art in Venous Thromboembolism Care

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 352

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Geoffrey Barnes

Co-Chair: Yevgeniy Brailovsky



2:00 p.m.

Thrombolysis in Acute PE: Current Evidence and Emerging Trial

Stavros V. Konstantinides

Mainz, Germany

2:18 p.m.

Question and Answer

2:20 p.m.

Pre-Debate ARS

2:22 p.m.

Debate: VTE Care Is Ready for Quality Measurement

Christopher Kabrhel

Boston, MA

2:32 p.m.

Debate: VTE Care Is Ready for Quality Measurement

Susan Smyth

Lexington, KY

2:42 p.m.

Post-Debate ARS

2:45 p.m.

Anticoagulation Therapy for Cancer-Associated VTE

Anastasia Armbruster

Saint Louis, MO

2:58 p.m.

Question and Answer

3:00 p.m.

A Population-Health Approach to Anticoagulation Management for VTE:

Lessons Learned From the VA

Arthur L. Allen

Bountiful, UT

3:08 p.m.

Question and Answer

3:10 p.m.

A Patient's Experience With the Post-PE Syndrome

Patient Presenter

Washington, DC

3:15 p.m.

Diagnosis and Management of the Post-PE Syndrome & CTED

Belinda Rivera-Lebron

Pittsburgh, PA

3:28 p.m.

Question and Answer

### Special - Intensive

#### Session #51

#### Clinician Wellness Intensive II

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 225

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Dipti Itchhaporia

Co-Chair: James L. Januzzi

2:00 p.m.

Solutions/Best Practices for Survival:

Anand Chockalingam

Columbia, MO

2:00 p.m.

Moderator: Solutions/Best Practices for Survival

Eileen M. Handberg

2:21 p.m.

Panel Discussion with Audience Q&A: Solutions/Best Practices for Survival

Panelist: Anthony N. DeMaria

2:30 p.m.

Practical Skills for Much-needed Support: My Favorite Personal Apps

TBD TBD

Washington, DC

2:40 p.m.

Practical Skills for Much-needed Support: Why did the Chicken Rot in my Fridge and Other Tales of Resiliency

Lorrel E. Brown

Louisville, KY

2:50 p.m.

Practical Skills for Much-needed Support: Resources from the ACC

Timothy W. Attebery

Washington, DC

3:00 p.m.

Mind and Body Therapy: (Small) Changes That will (Greatly) Improve Your Life

Jacob Mirsky

Boston, MA

3:27 p.m.

Wellness Intensive: Closing Statements

Dipti Itchhaporia

Newport Beach, CA

3:27 p.m.

Wellness Intensive: Closing Statements

James L. Januzzi

Wellesley, MA

### Special - Special

#### Session #638

#### Controversies in Anticoagulation After Cardiac Surgery

Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.

Room 243

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Michael Firstenberg

Co-Chair: Vinod H. Thourani

2:00 p.m.

Case Presentation #1: TBD

Constantine Mavroudis

Philadelphia, PA

2:05 p.m.

Anticoagulation Post-Valve Is a Necessity (Pro)

Stephanie Fuller

Philadelphia, PA

2:17 p.m.

Case Presentation #2: TBD

Sarah Eapen

Akron, OH



2:22 p.m.

Anticoagulation Post-Valve Is a Necessity (Con)

Michael Firstenberg  
Aurora, CO

2:34 p.m.

Patients After Surgical Ablation Still Require Anticoagulation (Pro)

Karthik Ramaswamy  
Saint Louis, MO

2:46 p.m.

Patients After Surgical Ablation Still Require Anticoagulation (Con)

Harold G. Roberts, JR  
Morgantown, WV

2:58 p.m.

Role of Anticoagulation After Surgical Left Atrial Appendage Closure

Alexander Iribarne  
Lebanon, NH

3:10 p.m.

Panel Discussion and Question & Answer

### Special - Hands-on Skills Learning

#### Session #1505

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

**Saturday, March 16, 2019, 2:00 p.m. - 4:30 p.m.**

**Personalized Skills Center: Lounge & Learn, Hall B**

**CME Hours: /CNE Hours:**

Faculty: Prashant D. Bhave

Faculty: Margaret T. Bowers

Faculty: James C. Coons

Faculty: Laura Davidson

Faculty: Sohah Iqbal

Faculty: Jason Linefsky

Faculty: Matthew W. Martinez

Faculty: Raja Kannan Mutharasan

Faculty: Jerold L. Saef

Faculty: Daniel R. Schimmel

Faculty: Keri M. Shafer

Faculty: Michael T. Spooner

Faculty: Ada C. Stefanescu Schmidt

Faculty: Michele Toussaint

### Valvular Heart Disease - Scientific

#### Session #639

**Imaging and Physiologic Testing and Its Implication in Valvular Heart Disease**

**Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.**

**Room 220**

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

Co-Chair: Linda D. Gillam

Co-Chair: John Gorcsan, III

Panelist: Marie-Annick Clavel

Panelist: Kian Keong Poh

Panelist: Nishtha Sodhi

2:00 p.m.

Case Presentation: Low Flow Low Gradient AS

Nishtha Sodhi  
Saint Louis, MO

2:05 p.m.

Stress Testing in Aortic Stenosis: Who, When and Where?

Linda D. Gillam  
Morristown, NJ

2:17 p.m.

Does Contractile Reserve Matter in the Era of TAVR?

Kian Keong Poh  
Singapore 119228, Singapore

2:29 p.m.

Diagnosis and Treatment of Paradoxical Low Flow Low Gradient Aortic Stenosis

Marie-Annick Clavel  
Quebec, Canada

2:46 p.m.

Audience ARS Question

Linda Gillam  
Morristown, NJ

2:47 p.m.

Discussion

2:57 p.m.

Stress Testing the Regurgitant Valve Lesions

John Gorcsan, III  
Saint Louis, MO

3:09 p.m.

The Role of CT and MRI to Predict LV Recovery in Patients With Mitral Regurgitation

Jonathon Leipsic  
Vancouver, Canada

3:21 p.m.

Audience ARS Question

John Gorcsan  
Saint Louis, MO

3:22 p.m.

Discussion

### Vascular Medicine - Scientific

#### Session #640

**Bringing up Baby: Vascular Diseases During Pregnancy**

**Saturday, March 16, 2019, 2:00 p.m. - 3:30 p.m.**

**Room 238**

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

Co-Chair: Soo Hyun Kim

Co-Chair: Malissa Jane Wood

2:00 p.m.

Case #1: A 32 Year Old Woman in Third Trimester With Type B Aortic Dissection

Sara Negrotto  
Nashville, TN

2:03 p.m.

Audience ARS Question

Soo Hyun Kim  
Brentwood, TN



2:04 p.m.

Panel Discussion: Case #1

Panelist: Case #1: Luke Brewster  
Panelist: Case #1: Christina Fanola  
Panelist: Case #1: Eric M. Isselbacher  
Panelist: Case #1: Amy Kontorovich

2:16 p.m.

Case #2: A 26 Year Old Woman With St. Jude's Mechanical Valve Is Pregnant and Short of Breath  
Amy Pollak  
Jacksonville, FL

2:19 p.m.

Audience ARS Question  
Soo Hyun Kim  
Brentwood, TN

2:20 p.m.

Panel Discussion: Case #2

Panelist: Case #2: Lindsay Arnold  
Panelist: Case #2: Ricardo Benenstein  
Panelist: Case #2: Marie D. Gerhard-Herman  
Panelist: Case #2: Athena Poppas

2:32 p.m.

Case #3: A 30 Year Old Woman With Factor V Leiden and DVT on OCP Contemplating Pregnancy  
Maya Serhal  
Boston, MA

2:35 p.m.

Audience ARS Question  
Soo Hyun Kim  
Brentwood, TN

2:36 p.m.

Panel Discussion: Case #3

Panelist: Case #3: Jeffrey S. Berger  
Panelist: Case #3: Natalie Evans  
Panelist: Case #3: John Fanikos  
Panelist: Case #3: Gene Kwan

2:48 p.m.

Spontaneous Coronary Artery Dissection in Pregnancy  
Soo Hyun Kim  
Brentwood, TN

2:58 p.m.

Pregnancy in Women With Aortic Aneurysmal Disease  
Anne R. Albers  
Columbus, OH

3:08 p.m.

Pre-eclampsia: a Vascular Disease Across the Lifespan  
Mark A. Hlatky  
Stanford, CA

3:18 p.m.

Question and Answers

### Special - Special Session #403

#### FIT Forum: Mix and Mingle

Saturday, March 16, 2019, 3:30 p.m. - 4:30 p.m.  
CME Hours: 0 /CNE Hours: 0

Co-Chair: Sena Kilic  
Co-Chair: Hena Patel

3:30 p.m.

Basic Science  
Douglas L. Mann  
Saint Louis, MO

3:30 p.m.

Basic Science  
Jane A. Leopold  
Boston, MA

3:30 p.m.

Basic Science  
Roberto Bolli  
Louisville, KY

3:30 p.m.

Clinical Research  
Valentin Fuster  
New York, NY

3:30 p.m.

Clinical Research  
Robert A. Harrington  
Stanford, CA

3:30 p.m.

Clinical Research  
Alexandra J. Lansky  
New Haven, CT

3:30 p.m.

Interventional Cardiology  
Morton J. Kern  
Long Beach, CA

3:30 p.m.

Interventional Cardiology  
Deepak L. Bhatt  
Newton, MA

3:30 p.m.

Interventional Cardiology  
Eric M. Horlick  
Toronto, Canada

3:30 p.m.

Interventional Cardiology: Structural  
Adam B. Greenbaum  
Atlanta, GA

3:30 p.m.

Interventional Cardiology: Structural  
Howard C. Herrmann  
Philadelphia, PA

3:30 p.m.

Interventional Cardiology: Structural  
Martin B. Leon  
New York, NY



3:30 p.m.  
CT Surgery  
Michael J. Mack  
Plano, TX

3:30 p.m.  
CT Surgery  
Alistair Phillips  
Cleveland, OH

3:30 p.m.  
CT Surgery  
Vinod H. Thourani  
Washington, DC

3:30 p.m.  
PVD: Interventional & Imaging  
Douglas E. Drachman  
Boston, MA

3:30 p.m.  
PVD: Interventional & Imaging  
Joshua A. Beckman  
Nashville, TN

3:30 p.m.  
PVD: Interventional & Imaging  
Sahil A. Parikh  
New York, NY

3:30 p.m.  
Education  
Jeffrey T. Kuvin  
Lebanon, NH

3:30 p.m.  
Education  
Rick A. Nishimura  
Rochester, MN

3:30 p.m.  
Education  
Patrick T. O'Gara  
Boston, MA

3:30 p.m.  
Congenital Pediatric & Adult  
Curtis J. Daniels  
Columbus, OH

3:30 p.m.  
Congenital Pediatric & Adult  
Karen K. Stout  
Seattle, WA

3:30 p.m.  
Congenital Pediatric & Adult  
Jane W. Newburger  
Boston, MA

3:30 p.m.  
Heart Failure  
Lynne Warner Stevenson  
Nashville, TN

3:30 p.m.  
Heart Failure  
Clyde W. Yancy  
Chicago, IL

3:30 p.m.  
Heart Failure  
Bertram Pitt  
Ann Arbor, MI

3:30 p.m.  
Electrophysiology  
Anne B. Curtis  
Buffalo, NY

3:30 p.m.  
Electrophysiology  
N. A. Mark Estes, III  
Pittsburgh, PA

3:30 p.m.  
Imaging  
Pamela S. Douglas  
Durham, NC

3:30 p.m.  
Imaging  
Kim Allan Williams  
Chicago, IL

3:30 p.m.  
Imaging  
Athena Poppas  
Providence, RI

3:30 p.m.  
Women's Cardiology  
Malissa Jane Wood  
Boston, MA

3:30 p.m.  
Women's Cardiology  
Sharonne N. Hayes  
Rochester, MN

3:30 p.m.  
Women's Cardiology  
C. Noel Bairey Merz  
Los Angeles, CA

Women's Cardiology  
Catherine M. Kells  
Halifax, Canada

3:30 p.m.  
Outcomes Research  
Thomas M. Maddox  
Saint Louis, MO

3:30 p.m.  
Outcomes Research  
John C. Messenger  
Aurora, CO





3:30 p.m.  
Sports Cardiology  
Michael Scott Emery  
Indianapolis, IN

3:30 p.m.  
Sports Cardiology  
Richard J. Kovacs  
Indianapolis, IN

3:30 p.m.  
Sports Cardiology  
Aaron L. Baggish  
Boston, MA

3:30 p.m.  
Cardio-Oncology  
Ana Barac  
Washington, DC

3:30 p.m.  
Cardio-Oncology  
Joseph R. Carver  
Philadelphia, PA

3:30 p.m.  
Cardio-Oncology  
Javid Moslehi  
Nashville, TN

### Special - Scientific Session #804

**Cases From the Guidelines for Clinicians**  
**Saturday, March 16, 2019, 3:30 p.m. - 6:00 p.m.**  
**Room R03**  
**CME Hours: 2.5 /CNE Hours: 2.5**

Co-Chair: John P. Erwin, III  
Co-Chair: Jane A. Linderbaum

3:30 p.m.  
Congenital Heart Disease Cases  
William Miranda  
Rochester, MN

3:30 p.m.  
Top 10 Cardiac Medication Blunders  
Rhonda M. Cooper-DeHoff  
Gainesville, FL

3:30 p.m.  
Cases in General Cardiology  
Eileen M. Handberg  
Gainesville, FL

3:30 p.m.  
Structural Heart Disease Cases  
Jane A. Linderbaum  
Rochester, MN

3:30 p.m.  
ACS Clinical Cases  
John P. Erwin, III  
Temple, TX

### Special - Hands-on Skills Learning

**Session #1510**  
**Stress-free Simulation Learning Environments: Your Pre/Post Briefings are the Key**  
**Saturday, March 16, 2019, 3:30 p.m. - 4:30 p.m.**  
**Personalized Skills Center: Lounge & Learn, Hall B**  
**CME Hours: /CNE Hours:**

Co-Chair: Keri M. Shafer  
Co-Chair: Michael T. Spooner  
Panelist: Margaret T. Bowers  
Panelist: Catherine Allan

### Special - Heart-to-Heart Stage

**Session #6502**  
**Diversity and Inclusion in Cardiology: Where are We headed?**  
**Saturday, March 16, 2019, 3:30 p.m. - 4:00 p.m.**  
**Heart to Heart Stage: Lounge & Learn**  
**CME Hours: 0.5 /CNE Hours: 0.5**

Co-Chair: Hena Patel  
Co-Chair: Kim Allan Williams

3:30 p.m.  
Underrepresented Minorities in Cardiology  
Clyde W. Yancy  
Chicago, IL

3:32 p.m.  
Question and Answer

3:35 p.m.  
The X Factor in Cardiology  
Claire S. Duvernoy  
Ann Arbor, MI

3:37 p.m.  
Question and Answer

3:40 p.m.  
The International Experience  
Catherine M. Kells  
Halifax, Canada

3:42 p.m.  
Question and Answer

3:45 p.m.  
Panel Discussion

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

**Session #1009**  
**The Best Health Services Research Abstracts in CAD**  
**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**  
**Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Debabrata Mukherjee  
ACC Poster Moderator: Wan Azman Wan Ahmad

3:45 p.m.  
Influenza Vaccination and Prevalence of Myocardial Infarction: An Analysis of the 2014 U.S. National Inpatient Sample  
Mariam Khandaker, Zuhair Khandker, Bing Yue, Fazila-Tun-Nesa Malik, Icahn School of Medicine at Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA



3:55 p.m.

Question and Answer

4:00 p.m.

Go Red For Women: Are We There Yet?

Tasleem Katchi, Ahmad Al Turk, Asaad Nakhle, Ahmad Jabbar, Charisse Ward, Tulane School of Medicine, New Orleans, LA, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Temporal Burden and Outcomes of Percutaneous Coronary Intervention With Atrial Fibrillation in the United States

Yusuke Morita, Toka Hamaguchi, Tetsuya Haruna, Yoshisumi Haruna, Eisaku Nakane, Yuhei Yamaji, Hideyuki Hayashi, Michiya Hanyu, Moriaki Inoko, Tazuke Kofukai Foundation, Medical Research Institute, Kitano Hospital, Osaka, Japan

4:25 p.m.

Question and Answer

### **Arrhythmias and Clinical EP - Moderated Poster Contributions Session #1010**

#### **Improving the Care of Arrhythmia Patients**

**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**

**Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Federico Gentile

ACC Poster Moderator: Sarah Sandberg

3:45 p.m.

Cost-Effectiveness of Implantable Cardiac Monitor For the Detection of Arrhythmia in Unexplained Syncope Patients in the United States

Brad Sutton, Sarah Bermingham, Alex Diamantopoulos, Kate Lindborg, Mirko De Melis, Sarah Rosemas, Stylianos Tsintzos, Ying Xia, Matthew Reynolds, Symmetron Limited, London, United Kingdom, University of Louisville, Louisville, KY, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Left Atrial Appendage Closure in Patients With Contraindications to Oral Anticoagulation Therapy: A Systematic Review and Pooled Meta-Analysis

Tawseef Dar, Fnu Sibghat Tul Llah, Bharath Yarlagadda, Shady Abohashem, Tarun Dahlia, Mohamad Tantary, Dhanunjaya Lakkireddy, Tariq Bhat, Massachusetts General Hospital, Boston, MA, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Obesity Paradoxically Improves Survival in Cardiac Resynchronization Therapy (CRT) Patients Independent of Effect on Left Ventricular Remodeling and CRT Response

Divyang Patel, Kevin Trulock, Saleem Toro, Nishant Shah, Anirudh Kumar, Adam Grimaldi, Laurie Ann Moennich, Haitham Ahmed, Wai Hong Tang, Eiran Gorodeski, Mark Niebauer, Bruce Wilkoff, Niraj Varma, John Rickard, Cleveland Clinic, Cleveland, OH, USA

4:25 p.m.

Question and Answer

### **Heart Failure and Cardiomyopathies - Moderated Poster Contributions**

#### **Session #1011**

#### **Heart Failure and Cardiomyopathies: Advancing Translational and Clinical Science in HFpEF**

**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**

**Heart Failure and Cardiomyopathies Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Shashank S. Desai

ACC Poster Moderator: Amanda Vest

3:45 p.m.

The Effect of Heart Rate Reduction in Patients With Heart Failure and Preserved Ejection Fraction

Talal Alzahrani, Ariel Faiwizewski, Allen Solomon, Ali Ahmed, Gurusher Panjra, The George Washington University, Washington, DC, USA, Veterans Affairs Medical Center, Washington, DC, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Soluble Neprilysin in Patients With Heart Failure With Preserved Ejection Fraction

Melissa Lyle, Seethalakshmi Iyer, Margaret Redfield, Yogesh Reddy, G. Michael Felker, Thomas Cappola, Adrian Hernandez, Steven McNulty, Christopher Scott, John Burnett, Naveen Pereira, Mayo Clinic, Rochester, MN, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Correlates of Lung Congestion During Exercise in Heart Failure With Preserved Ejection Fraction

Yogesh N. V. Reddy, Masaru Obokata, Katlyn Koepp Borlaug, Alexander Egbe, Brandon Wiley, Barry Borlaug, Mayo Clinic, Rochester, MN, USA

4:25 p.m.

Question and Answer

### **Interventional Cardiology - Moderated Poster Contributions Session #1012**

#### **CHiPs Ahoy! Atherectomy and Me**

**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**

**Interventional Cardiology Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Anand Prasad

ACC Poster Moderator: Afzalur Rahman

3:45 p.m.

Comparison of Orbital Atherectomy Versus Rotational Atherectomy For the Treatment of Calcified Coronary Artery Disease: 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

3:55 p.m.

Question and Answer



4:00 p.m.

Excimer Laser For Stent Under-Expansion and Coronary Atherectomy: A Single-Center Procedural Experience

Timothy Joseph, Ardaas Kanwar, Malcolm Bell, Mandeep Singh, Rajiv Gulati, Mayo Clinic, Rochester, MN, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Long-Term Clinical Outcomes of Orbital Atherectomy Preceded by OCT-Guided Stent Implantation

Masaru Ishida, Gary Mintz, Yuqi Fan, Alec Goldberg, Evan Shlofmitz, Mitsuaki Matsumura, Allen Jeremias, Ziad Ali, Ajay Kirtane, Jeffrey Moses, Richard Shlofmitz, Akiko Maehara, Cardiovascular Research Foundation, New York, NY, USA, St. Francis Hospital, Roslyn, NY, USA

4:25 p.m.

Question and Answer

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

**Session #1013**

**Cardiac CT: Emerging Concepts and Controversies**

**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**

**Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Renee Bullock-Palmer

3:45 p.m.

Improved Diagnosis of Vessel-Specific Ischemia by Stepwise Consideration of Stenosis Severity, Non-Calcified Plaque Volume, and Coronary Lumen Volume: Results From the Prospective, Multicenter, International CREDENCE Trial

Alexander van Rosendaal, Inge van den Hoogen, Jung Hyun Choi, So Yeon Choi, Joon-Hyung Doh, Ae-Young Her, Bon-Kwon Koo, Chang-Wook Nam, Sangshoon Shin, Jason Cole, Alessia Gimelli, Muhammad Khan, Faisal Nabi, Ryo Nakazato, U. Joseph Schoepf, Hyuk-Jae Chang, Philippe Genereux, Paul Knaapen, Gianluca Pontone, Wijnand Stuijzfand, 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

3:55 p.m.

Question and Answer

4:00 p.m.

Coronary Computed Tomography Angiography Following HEART Score in Patients Suspected of Acute Coronary Syndrome in the Emergency Department

Murat Arslan, Pleunie P. M. Rood, Jeroen Schaap, Eric Boersma, Koen Nieman, Ricardo P. J. Budde, Eric A. Dubois, Admir Dedic, Erasmus Medical Center, Rotterdam, The Netherlands

4:10 p.m.

Question and Answer

4:15 p.m.

Gender Differences in Coronary Computed Tomography Angiography Derived Fractional Flow Reserve: Lessons From ADVANCE

Tim Andrew Fairbairn, Lynne Koweek, Jeroen J. Bax, Hitoshi Matsuo, Bjarne Norgaard, Koen Nieman, Neils P. R. Sand, Kristian A. Ovrehus, Gianluca Pontone, Gilbert Raff, Mark Rabbat, Tetsuya Amano, Tomohiro Kawasaki, Takashi Akasaka, Hironori Kitabata, Kavitha Chinnaiyan, Jeroen Sonck, Michael Poon, Bernard De Bruyne, Campbell Rogers, Manesh Patel, Daniel Berman, Jonathon Leipsic, Liverpool Heart and Chest Hospital, Liverpool, United Kingdom, Liverpool Centre for Cardiovascular Science, Liverpool

4:25 p.m.

Question and Answer

**Non-Certified Industry Events - Learning Destinations**

**Session #4003**

**Reversal of Novel Oral Anticoagulants in Patients Experiencing Life Threatening Bleeds: Review of Clinical Evidence and Practice Recommendations for Patient Management**

**Saturday, March 16, 2019, 3:45 p.m. - 4:45 p.m.**

**Expo Hall 1967-Indust. Experts1**

**CME Hours: /CNE Hours:**

3:45 p.m.

Tbd

**Non-Certified Industry Events - Learning Destinations**

**Session #4011**

**Boehringer Ingelheim Pharmaceuticals, Inc./Lilly USA**

**Saturday, March 16, 2019, 3:45 p.m. - 4:45 p.m.**

**Expo Hall 2467-Indust. Experts2**

**CME Hours: /CNE Hours:**

3:45 p.m.

Boehringer Ingelheim Pharmaceuticals, Inc./Lilly USA

**Non-Certified Industry Events - Learning Destinations**

**Session #4205**

**Biosense Webster, Inc.**

**Saturday, March 16, 2019, 3:45 p.m. - 4:15 p.m.**

**Expo Hall 2519-Innovation Stage**

**CME Hours: /CNE Hours:**

3:45 p.m.

Biosense Webster, Inc.

**Prevention - Moderated Poster Contributions**

**Session #1014**

**Cardiorespiratory Fitness and Cardiac Rehabilitation: Novel Insights and Updates**

**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**

**Prevention Moderated Poster Theater, Poster Hall, Hall F**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Karen E. Aspry

ACC Poster Moderator: Carl J. Lavie

3:45 p.m.

Exercise Capacity With Home Based and Center Based Cardiac Rehabilitation Within 1 Year Follow Up: Systematic Review and Meta-Analysis

Karan Sud, Akhil Parashar, Dhruvajyoti Bandyopadhyay, Allison Selby, Carlos Gongora, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's-West, New York, NY, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Comparing the Effect of Cardiac Rehabilitation Programs on Body Composition and Cardiac Biomarkers in Patients With Coronary Artery Disease

Alex Mirman, Nolan Nardoni, Alessandra Chen, Tamara Horwich, UCLA Health, Los Angeles, CA, USA

4:10 p.m.

Question and Answer



4:15 p.m.

Cardiorespiratory Fitness Improves the Accuracy of Atherosclerotic Cardiovascular Disease Pooled Cohort Risk Model  
Alexander Fardman, Gabriel D. Banschick, Razi Rabia, Shlomo Segev, Robert Klempfner, Ehud Grossman, Elad Maor, Chaim Sheba Medical Center, Ramat-Gan, Israel

4:25 p.m.

Question and Answer

### **Pulmonary Hypertension and Venous Thrombo-embolic Disease - Moderated Poster Contributions** **Session #1015**

**New Concepts in Risk Assessment and Exercise in PAH**  
**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**  
**Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

3:45 p.m.

ACC Poster Moderator: Victor Moles

3:45 p.m.

Right Ventricular Contractile Reserve Characterized by Treadmill Exercise Cardiac Magnetic Resonance Imaging in Pulmonary Arterial Hypertension  
Jordan Christopher Ray, Charles Burger, Peter Pollak, Patricia Mergo, Alhusain Rashid, Brian Shapiro, Mayo Clinic, Jacksonville, FL, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Physical Activity and Health-Related Quality of Life in Patients With Pulmonary Hypertension  
Thomas Cascino, Vallerie McLaughlin, Caroline Richardson, Nilofar Behbahani-Nejad, Victor Moles, Scott Visovatti, Elizabeth Jackson, University of Michigan, Ann Arbor, MI, USA

4:10 p.m.

Question and Answer

4:15 p.m.

A Pragmatic Approach to Risk Assessment in Pulmonary Arterial Hypertension Using the ESC/ERS Guidelines  
Alessandra Manes, Fabio Dardi, Massimiliano Palazzini, Enrico Gotti, Andrea Rinaldi, Elisa Zuffa, Gerardo Vito Lo Russo, Daniele Guarino, Alessandro De Lorenzis, Filippo Pasca, Ilenia Magnani, Mariangela Rotunno, Nazzareno Galiè, Department of Experimental, Diagnostic and Specialty Medicine (DIMES), Cardiology, Bologna, Italy

4:25 p.m.

Question and Answer

### **Special - Moderated Poster Contributions** **Session #1017**

**Tenacious Teams in Cardiology: Making Differences Daily**  
**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**  
**Spotlight on Special Categories Moderated Poster Theater, Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Craig J. Beavers

ACC Poster Moderator: Jennifer Day

3:45 p.m.

Pregnancy-Associated Cardiomyopathy: A Team-Based Approach For a Complex, High Risk Delivery  
Kismet Rasmussen, Intermountain Heart Institute, Salt Lake City, UT, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Clinical and Financial Impact of Clinical Pharmacy Specialist-Led Heart Failure Transitions of Care Program in a Large Veteran's Affairs Healthcare System  
Emily J. A. Young, Michelle Pike, Wade Tugman, Brent Salvig, Jennifer Bean, VA Tennessee Valley Healthcare System, Nashville, TN, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Collaborative Prescribing of Four-Factor Prothrombin Complex Concentrate For Emergent Anticoagulation Reversal  
Kenneth K. Tran, Evan D. Telford, Andrew L. Hendrickson, Andrew Franck, North Florida/South Georgia Veterans Health System, Gainesville, FL, USA

4:25 p.m.

Question and Answer

### **Valvular Heart Disease - Moderated Poster Contributions** **Session #1016**

**Novel Tools For the Management of Mitral Regurgitation**  
**Saturday, March 16, 2019, 3:45 p.m. - 4:30 p.m.**  
**Valvular Heart Disease and Vascular Medicine Moderated Poster Theater, Poster Hall, Hall F**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Steven J. Lavine

ACC Poster Moderator: Nishath Quader

3:45 p.m.

Quantitation of Mitral Valve Strain in Normals and in Patients With Mitral Valve Prolapse  
Kinan Carlos El Tallawi, Peng Zhang, Robert Azencott, Jiwen He, Elizabeth Herrera, Mohammed Chamsi-Pasha, Jessen Jacob, Gerald M. Lawrie, William Zoghbi, Houston Methodist Hospital, Houston, TX, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Incidence, Characteristics, and Clinical Implications of Left Atrial Calcification on Cardiac Computed Tomography in Patients Underwent Mitral Valve Surgery  
Jah Yeon Choi, Chi Young Shim, Young-Ju Seo, Young Jin Kim, Kang-Un Choi, Geu-Ru Hong, Jong-Won Ha, Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea

4:10 p.m.

Question and Answer

4:15 p.m.

Regurgitant Volume and Left Ventricular End-Diastolic Volume Ratio: A New Prognostic Indices in Patients With Secondary Mitral Regurgitation?  
Farnaz Namazi, Pieter van der Bijl, Vasileios Kamperidis, Suzanne van Wijngaarden, Nina Ajmone Marsan, Alec Vahanian, Victoria Delgado, Jeroen J. Bax, Leiden University Medical Center, Leiden, The Netherlands

4:25 p.m.

Question and Answer



### Prevention - Heart-to-Heart Stage

#### Session #6503

##### E-cigs: Role and Risks

**Saturday, March 16, 2019, 4:15 p.m. - 4:45 p.m.**

**Heart to Heart Stage: Lounge & Learn**

**CME Hours: 0.5 /CNE Hours: 0.5**

Moderator: Pamela Bowe Morris

Panelist: Eric Stecker

Panelist: Barbara S. Wiggins

### Special - Gaming

#### Session #6003

**Engage @ACC.19 Studio: Cardiology Contest**

**Saturday, March 16, 2019, 4:15 p.m. - 5:15 p.m.**

**Engage@ACC.19**

**CME Hours: 1 /CNE Hours: 1**

Chair: Sunil V. Mankad

Master Clinician Team

4:15 p.m.

Cardiology Contest

Michael H. Crawford

San Francisco, CA

4:15 p.m.

Cardiology Contestant

Michael D. Ezekowitz

Villanova, PA

4:15 p.m.

Cardiology Contest

Morton J. Kern

Long Beach, CA

4:15 p.m.

Cardiology Contest

Kim Allan Williams, SR

Chicago, IL

Program Directors Team

4:15 p.m.

Cardiology Contestant

Julia H. Indik

Tucson, AZ

4:15 p.m.

Cardiology Contestant

Amit Khera

Coppell, TX

4:15 p.m.

Cardiology Contestant

Donna M. Polk

Boston, MA

4:15 p.m.

Cardiology Contestant

Gaby Weissman

Washington, DC

Early Career Team

4:15 p.m.

Cardiology Contestant

Hansie Marie Mathelier

Philadelphia, PA

4:15 p.m.

Cardiology Contestant

Tamara Atkinson

Portland, OR

4:15 p.m.

Cardiology Contestant

Suraj Kapa

Rochester, MN

4:15 p.m.

Cardiology Contestant

M. Chadi Alraies

Detroit, MI

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #642

**Genetic Testing: New Frontiers in Cardiovascular Care**

**Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.**

**Room 217**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Ruth Mcpherson

Co-Chair: Robert Roberts

Panelist: RUTH Mcpherson

Panelist: Kiran Musunuru

Panelist: Robert Roberts

4:45 p.m.

Which Genetic Tests are Useful for Risk Stratification of CAD?

Robert Roberts

Phoenix, AZ

4:55 p.m.

Question and Answer

5:05 p.m.

My Approach to Patients With Strong Family History of Premature CAD

Ruth Mcpherson

Ottawa, Canada

5:15 p.m.

Question and Answer

5:25 p.m.

Can We Edit the Genome in Patients at Risk of CAD?

Kiran Musunuru

Philadelphia, PA

5:35 p.m.

Question and Answer

5:45 p.m.

One Brave Idea: Changing the Way We Practice Medicine

Ali J. Marian

Houston, TX

5:55 p.m.

Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #643

**Evaluation of Low Risk Chest Pain in the Emergency Department**

**Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.**

**Room 211**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Dawn Scantlebury

Co-Chair: Eric J. Velazquez



4:45 p.m.

High Sensitivity Troponin in Low Risk Chest Pain: The Cardiologist's Friend or Foe?

Jennifer Rymer  
Durham, NC

5:00 p.m.

Functional Imaging Evaluation for Low Risk Chest Pain

Steve Leung  
Lexington, KY

5:15 p.m.

Anatomic Imaging Evaluation for Low Risk Chest Pain: The Better Approach?

Michael Mikolaj  
Chattanooga, TN

5:30 p.m.

Non-ACS Causes of Chest Pain: Not all Chest Pain is ACS

Charles L. Campbell  
Chattanooga, TN

5:45 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #641

#### Management of Arrhythmias in Cardiac Sarcoidosis: Bench to Bedside

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 357

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Thomas D. Callahan

Co-Chair: Kristen K. Patton

4:45 p.m.

Pathogenesis of Sarcoidosis - What's Known? - Translational Talk

Mina K. Chung  
Shaker Heights, OH

4:55 p.m.

Audience Question and Answer

5:00 p.m.

Case Presentation - 50 Year Old Male With a Negative MRI, Positive PET, No Extra Cardiac Sarcoid

Jason Appelbaum  
Baltimore, MD

Question and Answer

5:03 p.m.

Diagnostic Challenges in Cardiac Sarcoid - Imaging and Pathology

Timm-Michael L. Dickfeld  
Baltimore, MD

5:11 p.m.

Case Presentation - 65 Year Old Female With Cardiac Sarcoid Refractory to Steroids - What Next?

Logan Vincent  
Seattle, WA

5:14 p.m.

Question and Answer

5:19 p.m.

Beyond Corticosteroids - Immunosuppression, Antibiotics, What's Next?

Richard Cheng  
Bellevue, WA

5:27 p.m.

Case Presentation - 45 Year Old Patient With LVEF 60% and Cardiac Sarcoid; When Is It Time for a Device?

Edwin Zishiri  
Saline, MI

5:30 p.m.

Device Therapy for Cardiac Sarcoid: Who, When and What?

Lynda E. Rosenfeld  
Hamden, CT

5:38 p.m.

Question and Answer

5:43 p.m.

Case Presentation: 56 Year Old Male With ICD Shocks From Pleiomorphic VT

Syed Quadri  
Arlington, VA

5:46 p.m.

Management of Arrhythmias - Ablation in Cardiac Sarcoid

Thomas D. Callahan  
Cleveland, OH

5:54 p.m.

Question and Answer

### Congenital Heart Disease - Scientific

#### Session #644

#### Hot Takes on Acquired Pediatric Heart Disease

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 338

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Carolyn A. Altman

Co-Chair: Juan Villafane

4:45 p.m.

Management of Kawasaki Disease Unresponsive to IVIG

Kevin Friedman  
Boston, MA

4:57 p.m.

Audience Discussion

5:00 p.m.

Current and Future Therapy for Myocarditis

Kimberly Y. Lin  
Philadelphia, PA

5:12 p.m.

Audience Discussion

5:15 p.m.

Risk and Management of Endocarditis in Transcatheter Pulmonary Valves

Brian H. Morray  
Seattle, WA

5:27 p.m.

Audience Discussion



5:30 p.m.

Debate: Patients With a Bicuspid Aortic Valve Should Receive Endocarditis Prophylaxis (Pro)  
Ann Bolger  
Sebastopol, CA

5:40 p.m.

Debate: Patients With a Bicuspid Aortic Valve Should Receive Endocarditis Prophylaxis (Con)  
Peter B. Lockhart  
Charlotte, NC

5:50 p.m.

Rebuttal: Patients With a bicuspid aortic Valve Should Receive Endocarditis Prophylaxis (Pro)  
Ann Bolger  
Sebastopol, CA

5:52 p.m.

Rebuttal: Patients With a Bicuspid Aortic Valve Should Receive Endocarditis Prophylaxis (Con)  
Peter B. Lockhart  
Charlotte, NC

5:54 p.m.

Audience Discussion

#### Heart Failure and Cardiomyopathies - Scientific Session #645

**Exercise Training in Heart Failure: Our Call to Action**  
Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.  
Room La Nouvelle C  
CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Gregory D. Lewis  
Co-Chair: Christopher M. O'Connor

4:45 p.m.

Exercise Capacity and Fatigue: Valid Surrogates in Heart Failure Trials?  
John R. Teerlink  
San Francisco, CA

4:57 p.m.

Mechanisms of Exercise Intolerance in the Heart Failure Patient: Why is My Patient So Tired?  
Mark J. Haykowsky  
Arlington, TX

5:09 p.m.

HF ACTION: What Have We Learned?  
Ileana L. Pina  
Cleveland Heights, OH

5:21 p.m.

Exercise in the Elderly Heart Failure Patient: REHAB-HF and Evidence for Intervention  
Ambarish Pandey  
Dallas, TX

5:33 p.m.

Barriers to Cardiac Rehabilitation: How Do We Overcome Issues With Adherence and Cost?  
Pam Taub  
La Jolla, CA

5:45 p.m.

Case Presentation  
Tina Shah  
Houston, TX

5:50 p.m.

Panel Discussion

#### Heart Failure and Cardiomyopathies - Scientific Session #646

**The Intersection of Heart Failure and Diabetes**  
Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.  
Room La Nouvelle B  
CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: David Aguilar  
Co-Chair: Vivian Fonseca  
Panelist: Anita Deswal  
Panelist: Michael M. Givertz  
Panelist: Jo Rodgers

4:45 p.m.

The Intersection of HF and Diabetes: Epidemiology and Outcomes  
Anita Deswal  
Houston, TX

4:57 p.m.

Comorbid Conditions in Heart Failure: Diabetes and All That Comes With it  
Mikhail Kosiborod  
Leawood, KS

5:09 p.m.

Evidence for Older Glucose Lowering Therapies in Heart Failure: Is Old Gold?  
Michael M. Givertz  
Boston, MA

5:21 p.m.

Evidence for Newer Glucose Lowering Therapies in Heart Failure: In With the New?  
William Baker  
CT

5:33 p.m.

Pharmacology 101 for the cardiologist: Treating diabetes With heart failure  
Jo Rodgers  
Chapel Hill, NC

5:45 p.m.

Case Presentations: Expanding Role of the Cardiologist in Treating Heart Failure With Diabetes  
Amanda Vest  
Boston, MA

5:50 p.m.

Case Discussion With Audience Question and Answer

#### Heart Failure and Cardiomyopathies - Scientific Session #647

**Frailty in Heart Failure Care: It Isn't Just About Age**  
Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.  
Room 257  
CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Linda Lee Hart  
Co-Chair: Nanette Kass Wenger



4:45 p.m.  
Multidisciplinary Approach to the Geriatric Heart Failure Patient: A New Paradigm  
Karen P. Alexander  
Durham, NC

4:55 p.m.  
Metrics to Assess Frailty: Toolkits and Other Essentials  
Scott L. Hummel  
Ann Arbor, MI

5:04 p.m.  
Polypharmacy in the Elderly Patient  
Magali P. Disdier Moulder  
Spring Valley, MN

5:13 p.m.  
Cognitive Impairment in Heart Failure  
Eiran Z. Gorodeski  
Cleveland, OH

5:22 p.m.  
Is My Heart Failure Patient too Frail for TAVR?  
Robert H. Li  
Philadelphia, PA

5:31 p.m.  
Frailty in LVAD and Heart Transplant: Preoperative Evaluation and Postoperative Outcomes  
Celeste T. Williams  
West Bloomfield, MI

5:40 p.m.  
Question and Answer

### **Interventional Cardiology - Live Cases Session #202**

**Interventional Live Case Session III: Coronary Transmission from Beth Israel Deaconess Medical Center  
Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.  
ACC.19 Main Tent (Great Hall)  
CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Jean-Francois Tanguay  
Panelist: Alexandre Abizaid  
Panelist: Ziad Ali  
Panelist: Timothy D. Henry  
Panelist: Dimitrios I. Karmpaliotis  
Panelist: Alexandra J. Lansky  
Panelist: Adhir Ramesh Shroff

### **Interventional Cardiology - Scientific Session #650**

**Transcatheter Valve Repair/Replacement: Expanding Indications  
Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.  
Room 208  
CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Mayra E. Guerrero  
Co-Chair: Paul Sorajja  
Panelist: Amy E. Simone  
Panelist: Danny Dvir  
Panelist: Isaac George  
Panelist: David W. M. Muller

4:45 p.m.  
Early Outcomes of TMVR: Clinical Trial Updates  
David W. M. Muller  
Darlinghurst, Australia

4:51 p.m.  
Panel Discussion With Audience Question and Answer

4:56 p.m.  
Who are the Best Candidates for TMVR?  
Paul Sorajja  
Minneapolis, MN

5:02 p.m.  
Panel Discussion With Audience Question and Answer

5:07 p.m.  
Transcatheter MVIV and MVIR: Lessons Learned From VIVIV Registry  
Danny Dvir  
Vancouver, Canada

5:13 p.m.  
Panel Discussion With Audience Question and Answer

5:18 p.m.  
So You Think You Can Puncture? Transseptal Step by Step  
Robert Pyo  
Stony Brook, NY

5:24 p.m.  
Panel Discussion With Audience Question and Answer

5:29 p.m.  
What Does the Patient With Functional Tricuspid Regurgitation Look Like?  
Yan Topilsky  
Tel Aviv, Israel

5:35 p.m.  
Panel Discussion With Audience Question and Answer

5:40 p.m.  
Debate: Surgical Tricuspid Annuloplasty for All!  
Steven F. Bolling  
Ann Arbor, MI

5:45 p.m.  
Debate: Surgical Tricuspid Intervention- Not for Everyone!  
Azeem Latib  
Milan, Italy

5:50 p.m.  
Panel Discussion With Audience Question and Answer

### **Interventional Cardiology - Scientific Session #651**

**Stop it Early or Stop it Late: The Debate Over Antithrombotic Therapy After PCI  
Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.  
Room 206  
CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: David Alan Cox  
Co-Chair: Michelle L. O'Donoghue  
Panelist: Davide Capodanno  
Panelist: Gilles Montalescot  
Panelist: Mary P. Schoenbaum  
Panelist: Mohamed Seleem





4:45 p.m.

Dual-Antiplatelet Therapy After PCI

4:45 p.m.

Stop It Early: Less Bleeding Wins the Game

Marco Valgimigli

Ferrara, Italy

4:55 p.m.

Stop It Late: The Benefit for Secondary Prevention is Clear

Marc P. Bonaca

Aurora, CO

5:05 p.m.

Panel Discussion With Audience Question and Answer

5:17 p.m.

Who Should I Treat With Long-Term DAPT?

6:00 p.m.

Use a Risk Score for Personalized Decision-Making

Stephen D. Wiviott

Boston, MA

5:27 p.m.

The Risk Score Soup is Too Complicated

Frederick G.P. Welt

Salt Lake City, UT

5:37 p.m.

DAPT Decisions in the Real World: Do ACC & ESC Guidelines Apply

Ahmed Magdy

Cairo 11431, Egypt

5:57 p.m.

Panel Discussion With Audience Question and Answer

### Interventional Cardiology - Scientific

#### Session #652

#### Best Practices for Large Bore Arterial Access

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 203

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: James T. DeVries

Co-Chair: Paul D. Mahoney

Panelist: Eric Harrington

Panelist: Anas Badawe Babiker

Panelist: Jason R. Foerst

Panelist: Asad Z. Pathan

4:45 p.m.

Optimizing Femoral Access Technique With the Use of Adjunctive Imaging

James T. DeVries

Hanover, NH

4:55 p.m.

When and How to Perform Axillary Access

Rajiv Tayal

Montclair, NJ

5:05 p.m.

Panel Discussion With Audience Question and Answer

5:15 p.m.

Antegrade Limb Perfusion Techniques

Amir Kaki

Birmingham, MI

5:25 p.m.

State of the Art: Large Bore Closure Devices

Sandeep Nathan

Chicago, IL

5:35 p.m.

Large Bore Closure Techniques: Dry Closure, Use of Remote Access

Ruby Satpathy

Jacksonville, FL

5:45 p.m.

Bail Out and Protection Techniques

Tamim Nazif

Scarsdale, NY

5:55 p.m.

Panel Discussion With Audience Question and Answer

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

#### Session #648

#### Advances in Nuclear Cardiology

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 254

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Mouaz H. Al-Mallah

Co-Chair: Vasken Dilsizian

Panelist: Timothy M. Bateman

Panelist: Ron Blankstein

Panelist: Vasken Dilsizian

Panelist: Edward Miller

4:45 p.m.

Cardiac SPECT and PET in Ischemic Heart Disease: What Is New?

Edward Miller

New Haven, CT

4:57 p.m.

The Diagnostic and Prognostic Role of Coronary Flow Reserve.

Timothy M. Bateman

Kansas City, MO

5:09 p.m.

Cardiac PET in Cardiomyopathies: Sarcoidosis, Amyloidosis

Ron Blankstein

Boston, MA

5:21 p.m.

Cardiac PET in Device Infections and Endocarditis

Vasken Dilsizian

Baltimore, MD

5:33 p.m.

Novel Tracers and Imaging Targets in Nuclear Cardiology

Mouaz H. Al-Mallah

Houston, TX

5:45 p.m.

Panel Discussion



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

##### Session #649

#### Applying the Echo Guidelines to Clinical Practice: How the Experts Do It - A Case-based Journey

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 244

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Smadar Kort

Co-Chair: Roberto M. Lang

4:45 p.m.

How to Assess Diastolic Function in 2019

Sherif F. Nagueh

Houston, TX

4:57 p.m.

Question and Answer

5:00 p.m.

Challenging Scenarios in Aortic Stenosis

R. Parker Ward

Chicago, IL

5:12 p.m.

Question and Answer

5:15 p.m.

Challenging Scenarios in Mitral Regurgitation

Judy W. Hung

Boston, MA

5:27 p.m.

Question and Answer

5:32 p.m.

Case Presentation: Application of Ultrasound-Enhancing Agents

Michelle Bierig

Tulsa, OK

5:37 p.m.

Optimal Use of Ultrasound-Enhancing Agents (aka Echo Contrast)

Sharon L. Mulvagh

Halifax, Canada

5:49 p.m.

Question and Answer

Challenging Scenarios in Aortic Stenosis

Helmut Baumgartner

48149 Muenster, Germany

#### Prevention - Scientific

##### Session #653

#### So You Know Your Lipids! Let's do Some Questions and Discuss Some Cases

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 228

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Vera Bittner

Co-Chair: Vijay Nambi

Panelist: Anne C. Goldberg

Panelist: Christie M. Ballantyne

Panelist: Michael D. Shapiro

4:45 p.m.

My LDL-C is Low but My Cardiology Provider Wants Me to Take a Statin

Pratik Sandesara

Atlanta, GA

4:57 p.m.

My Triglycerides are High and I Want to Become Pregnant

Anum Saeed

Pittsburgh, PA

5:09 p.m.

I Had 3 Heart Attacks Last Year - Can You Help me?

Stephen Clarkson

Birmingham, AL

5:21 p.m.

My Lp(a) is high? Am I a heart attack Waiting to Happen?

Leah John

Charleston, SC

5:33 p.m.

Audience ARS

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

##### Session #654

#### Hot Topics in Pulmonary Vascular Disease

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 352

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Kristen Pogue

Co-Chair: Thenappan Thenappan

4:45 p.m.

What PH Patients Should Receive Genetic Counseling and Testing?

Wendy Chung

New York, NY

4:55 p.m.

Question and Answer

5:00 p.m.

Do All PAH Patients Really Need Up Front Combination Therapy?

Megan Clarke

Chapel Hill, NC

5:10 p.m.

Question and Answer

5:15 p.m.

What's the Most Practical Approach to PAH Risk Stratification for the Clinician?

Richard Channick

Boston, MA

5:25 p.m.

Question and Answer

5:30 p.m.

How Do I Manage PH in the Setting of Left Heart Disease?

Ryan Tedford

Mount Pleasant, SC

5:40 p.m.

Question and Answer



5:45 p.m.

What's the Treatment for CTEPH - Surgery, BPA, Medications or All of the Above?

Scott Visovatti  
Ann Arbor, MI

5:55 p.m.

Question and Answer

### Special - Scientific

#### Session #501

#### Heart Failure Advocacy and International Perspectives

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 225

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Andrew D. Krahn

Co-Chair: Daniel Jose Pineiro

Co-Chair: Pedro Iturralde Torres

4:58 p.m.

Patient Led Advocacy to Support Health System Transformation and Improved Heart Failure Care

Jillianne Reay Code  
Vancouver, Canada

5:08 p.m.

Health Systems: Best Practices

Marco Antonio Alcocer Gamba  
Queretaro, Mexico

5:18 p.m.

Moving Towards a Patient-Centered Approach to Quality Outcomes Measurement and Reporting

Heather Joan Ross  
Toronto, Canada

5:28 p.m.

CAN-TOGETHER: Developing Health Equity and Access to Quality Heart Failure Care in Canada

Sean Amirali Virani  
Vancouver, Canada

5:38 p.m.

An Evolving Model for Cardiovascular Care

Paul N. Casale  
New York, NY

5:48 p.m.

Panel Discussion with Audience Q&A

### Special - Special

#### Session #655

#### The Nuts & Bolts of Starting a Niche CV Program at Your Institution:

#### Lipid Clinic, Valve Clinic/Structural Heart Disease Program, Adult

#### Congenital Heart Disease Program and Atrial Fibrillation Clinic

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 243

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Claire S. Duvernoy

Co-Chair: Annabelle S. Volgman

4:45 p.m.

Welcome & Introductions

Annabelle S. Volgman  
Chicago, IL

4:48 p.m.

How to Build a Successful Lipid Clinic

Michael H. Davidson  
Chicago, IL

5:00 p.m.

How to Build a Successful Valve/Structural Heart Disease Program

Clifford J. Kavinsky  
Chicago, IL

5:12 p.m.

How to Build a Successful Adult Congenital Heart Disease Program

Timothy B. Cotts  
Ann Arbor, MI

5:24 p.m.

How to Build a Successful Atrial Fibrillation Clinic

Parikshit Sharma  
Chicago, IL

5:36 p.m.

Question and Answer

### Special - Special

#### Session #656

#### A Career in Academic Cardiology: Key Points to Success

Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.

Room 238

CME Hours: 0 /CNE Hours: 0

Co-Chair: Scott Lilly

Co-Chair: Ada Stefanescu Schmidt

4:45 p.m.

The Clinician Educator Pathway—The ABC's of a Career in Medical Education

Julie Damp  
Nashville, TN

4:55 p.m.

Panel Discussion

5:00 p.m.

The Clinician Administrator Pathway; Looking out for Your Patients While

Also Looking out for Your Hospital

James C. Blankenship  
Danville, PA

5:10 p.m.

Question and Answer

5:15 p.m.

The Clinician Researcher Track: From "Bench to Bedside"

Daichi Shimbo  
New York, NY

5:25 p.m.

Question and Answer

5:30 p.m.

The ACC: How to Get the Most Out of Your "Academic Home"

C. Michael Valentine  
Lynchburg, VA

5:40 p.m.

Question and Answer



5:45 p.m.

Summing It All Up: Balancing Your Life and Your Career

Jacqueline E. Tamis-Holland

New York, NY

5:55 p.m.

Question and Answer

### Valvular Heart Disease - Scientific

#### Session #657

**A Dysfunctional Heart: The Role of Myocardial Dysfunction in the Evaluation and Management of Aortic and Mitral Valve Disease - A Case-based Approach**

**Saturday, March 16, 2019, 4:45 p.m. - 6:00 p.m.**

**Room 220**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Daniel P. Judge

Co-Chair: Philippe Pibarot

Panelist: Jason Neil Katz

Panelist: Philippe Pibarot

4:45 p.m.

The Dark Side of the Heart: RV Dysfunction in Aortic and Mitral Valve

Disease: Recognition and Management Strategies

Marie-Annick Clavel

Quebec, Canada

4:54 p.m.

LV Dysfunction in Aortic Valve Disease Predicting Outcomes and Therapeutic Options

Joao L. Cavalcante

Edina, MN

5:03 p.m.

Are You Infiltrated or Just fat? Should we Screen for Infiltrative Disease Prior to Aortic Valve Replacement?.

Mathew S. Maurer

New York, NY

5:12 p.m.

Beyond the Gradient: PLG Aortic Stenosis a Product of Diastolic Dysfunction: Assessment and Management.

Philippe Pibarot

Quebec, Canada

5:21 p.m.

A Dysfunctional Heart. The Role of Myocardial Dysfunction in Evaluation and Management of Aortic and Mitral Valve Disease: A Case-Based Approach.

5:30 p.m.

The Mighty Neighbor: The Role of the Left Ventricle in Shaping Mitral Valve Disease.

Patric Biaggi

Zurich, Switzerland

5:39 p.m.

I Need Support: Use of Vasodilator and Mechanical Support in the Management of Heart Failure and Valvular Disease, Can We Apply the Same Guidelines.

G. Michael Felker

Durham, NC

5:48 p.m.

Panel Discussion

### Special - Oral Contributions

#### Session #914

**Young Investigator Awards: Basic and Translational Science**

**Saturday, March 16, 2019, 5:00 p.m. - 6:30 p.m.**

**Lounge & Learn Pavilion**

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

Chair: Leslee J. Shaw

Co-Chair: Adam DeVore

Co-Chair: Adrian F. Hernandez

5:00 p.m.

Mechanistic Insight Into the Role of the von Willebrand Factor-Angiopoietin-Axis in Pulmonary Arteriovenous Malformations in Children With a Glenn Circulation

Carlo R. Bartoli, Samson Hennessy-Strahs, Abigail Waldron, Kevin K.

Whitehead, J. William Gaynor, Andrew Glatz, Children's Hospital of

Philadelphia, Philadelphia, PA, USA, Hospital of the University of

Pennsylvania, Philadelphia, PA, USA

5:15 p.m.

A Switch in Platelet Surface Receptor Signaling at the Time of Myocardial Infarction Occurs in Humans and Mice: Implications For Anti-Platelet Therapy in Men and Women

Scott J. Cameron, Hamza Sadhra, Beom Soo Kim, David Auerbach, Frederick

Ling, Amy Mohan, Sara Ture, David Rich, craig morrell, University of

Rochester, Rochester, NY, USA

5:30 p.m.

CRRL269 as an Innovative Particulate Guanylyl Cyclase Receptor (GC-A)

Peptide Activator For Acute Kidney Injury Treatment

Yang Chen, Gail Harty, Ye Zheng, Shinobu Sugihara, Seethalakshmi Iyer, Jeson

Sangaralingham, Tomoko Ichiki, John C. Burnett Jr., Mayo Clinic, Rochester,

MN, USA

5:45 p.m.

Disruption of Myocardial Metabolism in Multiple Generations of Mice Induced by Maternal Nutrient Overload

Jeremie Ferey, Abhinav Diwan, Kelle H. Moley, Washington University in St.

Louis, School of Medicine, St. Louis, MO, USA

6:00 p.m.

Endothelial Fibroblast Growth Factors Protect Against Group 3 Hypoxia

Induced Pulmonary Hypertension

Kel Vin Woo, Philip Levy, Carla Weinheimer, Attila Kovacs, Gautam Singh,

David Ornitz, Washington University, St Louis, MO, USA

6:15 p.m.

Sirt7

Satoru Yamamura, Yasuhiro Izumiya, Satoshi Araki, Toshifumi Ishida,

Masahiro Yamamoto, Taishi Nakamura, Yuichiro Arima, Kenichi Tsujita,

Graduate School of Medical Sciences, Kumamoto University, Kumamoto,

Japan

### Special - Oral Contributions

#### Session #915

**Young Investigator Awards: Clinical Investigations**

**Saturday, March 16, 2019, 5:00 p.m. - 6:30 p.m.**

**Lounge & Learn Pavilion**

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

Chair: Leslie T. Cooper

Co-Chair: Robert J. Gropler

Co-Chair: Robert John Mentz



5:00 p.m.

Myocardial Infarction, Myocardial Injury, and Subsequent Clinical Events: A Population Wide Study Using the 4<sup>th</sup> Universal Definition of Myocardial Infarction

Anthony Chuang, Sam Lehman, Matthew Horsfall, David Hancock, Dylan Jones, Ehsan Khan, Ryan Bekeris, Lukah Dykes, Derek Chew, Flinders Medical Centre, Adelaide, Australia, Flinders University, Adelaide, Australia

5:15 p.m.

Mental Stress-Induced Change in Plasma Stromal Derived Factor-1 Predicts Adverse Cardiovascular Outcomes in Heart Failure

Jeong Hwan Kim, Muhammad Hammadah, Ibhar Al Mheid, Kobina Wilmot, Ronnie Ramadan, Chang Liu, Yi-An Ko, Samaah Sullivan, Bruno Lima, Pratik Pimple, Ayman Alkhoder, Malik Obideen, Naser Abdelhadi, Afif Martini, Mohamad M. Gafeer, Rami Abdalbaki, Tiffany Dong, Amit Shah, Laura Ward, Doug Bremner, Brad D. Pearce, David Sheps, Paolo Raggi, Viola Vaccarino, Arshed A. Quyyumi, Emory University School of Medicine, Atlanta, GA, USA

5:30 p.m.

High Sensitivity Cardiac Troponin I Elevation With Exercise Predicts Major Cardiovascular Disease Events in Coronary Artery Disease Patients

Bruno B. Lima, Muhammad Hammadah, Jeong Hwan Kim, Yi-An Ko, Samaah Sullivan, kasra moazzami, an young, Ayman Alkhoder, Malik Obideen, Naser Abdelhadi, Belal Kaseer, Mohamad Mazen Gafeer, Amit Shah, Laura Ward, Doug Bremner, Paolo Raggi, Viola Vaccarino, Arshed A. Quyyumi, Emory University, Atlanta, GA, USA

5:45 p.m.

Early Success Using Transcatheter Mitral Valve Replacement For the Treatment of Degenerated Mitral Bioprosthesis

Giorgio Medranda, Kunal Brahmhatt, Richard Schwartz, Stephen Green, NYU Winthrop Hospital, Mineola, NY, USA

6:00 p.m.

B-Type Natriuretic Peptide During Treatment With Sacubitril/Valsartan: The PARADIGM-HF Trial

Muthiah Vaduganathan, Peder Myhre, Brian Claggett, Milton Packer, Akshay S. Desai, Jean L. Rouleau, Michael R. Zile, Karl Swedberg, Martin Lefkowitz, Victor Shi, John J. V. McMurray, Scott D. Solomon, Brigham and Women's Hospital Heart and Vascular Center, Boston, MA, USA

6:15 p.m.

Clinical Outcomes of Secondary Tricuspid Regurgitation Quantified Using Cardiovascular Magnetic Resonance

Yang Zhan, Dany Debs, Mohammad Khan, Duc Nguyen, Edward Graviss, Dipan J. Shah, Methodist Debakey Heart and Vascular Center, Houston, TX, USA