



### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #600

#### Life After Coronary Revascularization: Are We Still on the Roller Coaster?

Saturday, March 10, 2018, 8:00 a.m. - 9:30 a.m.

Room 308 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Stacie L. Daugherty

Co-Chair: Todd D. Miller

Panelist: Usman Baber

Panelist: Roger S. Blumenthal

Panelist: James H. O'Keefe, JR

8:00 a.m.

#### Ideal Management of the Diabetic Patient Post-ACS

Craig J. Beavers

Lexington, KY

8:10 a.m.

#### Panel Discussion with Audience Question and Answer

8:15 a.m.

#### Exercise as a Therapeutic Intervention in Patients With Stable Ischemic Heart Disease: An Under-Filled Prescription

Todd M. Brown

Birmingham, AL

8:25 a.m.

#### Panel Discussion with Audience Question and Answer

8:30 a.m.

#### The Optimal Diet for Plaque Stabilization and Reversal

Andrew M. Freeman

Denver, CO

8:40 a.m.

#### Panel Discussion with Audience Question and Answer

8:45 a.m.

#### Sex, Drugs, and Cardiovascular Disease

Claudio Gil S. Araujo

Rio de Janeiro/RJ, Brazil

8:55 a.m.

#### Panel Discussion with Audience Question and Answer

9:00 a.m.

#### How Am I Going to Get Paid? Reimbursement For MI and PCI in the MACRA Era

Thad F. Waites

Hattiesburg, MS

9:10 a.m.

#### Panel Discussion with Audience Question and Answer

9:15 a.m.

#### Putting It All Together: Digital Health Technologies for Risk Factor Modification Among Patients With Coronary Artery Disease

Elizabeth A. Jackson

Ann Arbor, MI

9:25 a.m.

#### Panel Discussion with Audience Question and Answer

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

#### Session #1130

#### Important Issues Related to the Management of Patients With Acute Coronary Syndromes

Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

435 - Seasonal Periodicity in Myocardial Infarction Mortality in the United States

Haider Al Taij, Ali Fadhil, Halah Abdulameer, Sura Alqaisi, Sadeer Al-Kindi, Cleveland Clinic-Fairview Hospital, Cleveland, OH, USA, University Hospital Medical Center, Cleveland, OH, USA

436 - Comparative Efficacy and Safety of Rivaroxaban-Based Dual-Pathway Antithrombotic Therapy Versus Dual Antiplatelet Therapy: A Pooled Analysis of Contemporary Randomized Controlled Trials

Adeel Jamil, Umer Jamil, Michela Faggioni, Jolanta Marszalek, Sara Mehrsefat, Seyedmahdi Pahlavani, Usama Talib, Zahra Karimi, Miroslav Radulovic, Gerald Chi, James J. Peters VA Medical Center, Icahn School of Medicine, Bronx, NY, USA, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA

438 - Variations in Non-ST-Elevation Myocardial Infarction Care Across Three Levels of Hospitals in China: Analysis From the China Acute Myocardial Infarction Registry

Qinghao Zhao, Haiyan Xu, YueJin Yang, Fuwai Hospital, Chinese Academy of Medical Sciences, Beijing, People's Republic of China

439 - Worse One-Year Heart Failure Outcomes After Non-ST-Segment Elevation Myocardial Infarction Than ST-Segment Elevation Myocardial Infarction and Treatment Implications in a Nationwide Study of 36,333 Unselected Patients Hospitalized For Acute Myocardial Infarction

Mark Y. Y. Chan, Huili Zheng, Derek Hausenloy, Terrance Chua, Huay-Cheem Tan, David Foo, Chee-Wan Lee, Khim-Leng Tong, Ling-Li Foo, A. Mark Richards, National University Heart Centre, Singapore, Singapore

440 - Cardiac Thrombosis in Acute Anterior Myocardial Infarction: Evaluation of Hospital Mortality, Thromboembolism and Bleeding

Natee Sirinvaravong, Pradhum Ram, Mahek Shah, Shantanu Patil, Brijesh Patel, Shilpkumar Arora, Nilay Patel, Lohit Garg, Sahil Agrawal, Larry Jacobs, Vincent Figueiredo, Einstein Medical Center, Philadelphia, PA, USA

441 - Assessment of Right Ventricular Function in Patients With Acute Myocardial Infarction

Mahesh Aher, Sandeep Bansal, Hermohander Isser, Rajat Jain, Praloy Chakraborty, Preeti Gupta, Mahendra Kumar, Ankit Jain, VMMC & Safdarjung Hospital, New Delhi, India

442 - Use of Novel P2Y12 Inhibitors in ST-Elevation Myocardial Infarction in the United States: From the National Cardiovascular Data Registry's Research 2 Practice (R2P) Initiative

Kamil Faridi, Kirk Garratt, Kevin Kennedy, Robert Yeh, Beth Israel Deaconess Medical Center, Boston, MA, USA

443 - Late PCI in STEMI: A Complex Interaction Between Delay and Age

Raffaele Bugiardini, Edina Cenko, Jinsung Yoon, Beatrice Ricci, Davor Milicic, Sasko Kedev, Zorana Vasiljevic, Olivia Manfrini, Mihaela van der Schaar, Lina Badimon, University of Bologna, Bologna, Italy

444 - Non-Invasive Versus Invasive Management in Patients With Prior Coronary Artery Bypass Surgery With a Non-ST Segment Elevation Acute Coronary Syndrome: Comparisons Between the Randomized Controlled Pilot Trial and Registry

Matthew Y. Lee, Mark Petrie, Paul Rocchiccioli, Joanne Simpson, Colette Jackson, Ammani Brown, David Corcoran, Kenneth Mangion, Pio Cialdella,



Novalia Sidik, Margaret McEntegart, Aadil Shaukat, Alan Rae, Stuart Hood, Eileen Peat, Iain Findlay, Clare Murphy, Alistair Cormack, Nikolay Bukov, Kanarath Balachandran, Ian Ford, Olivia Wu, Alex McConnachie, Sarah Barry, Colin Berry, University of Glasgow, Glasgow, United Kingdom

**445 - SCINET: Software Electrocardiogram Interpretation and Electronic Transmission to Prevent Treatment Delay in ST-Elevation Myocardial Infarction**

Justin M. Cloutier, Christopher Hayes, David W. Allen, University of Manitoba, Winnipeg, Canada

**446 - Pretreatment With P2Y2 Inhibitors in NON-ST Segment Elevation Acute Coronary Syndrome**

Santiago Ordóñez, Victoria Galizia Brito, Juan P. Costabel, Marcelo S. Trivi, Instituto Cardiovascular de Buenos Aires, Buenos Aires, Argentina

**447 - Independent Predictors of Lipid-Lowering Therapy Intensification Among Patients Hospitalized For an Acute Coronary Syndrome: Insights From the a.m.I-OPTIMA Study**

Thao Huynh, Martine Montigny, Michel Nguyen, Mark Eisenberg, Claude Lauzon, Samer Mansour, Stéphane Rinfret, Marc Afilalo, Simon Kouz, Jean-Pierre Dery, Philippe L'Allier, Erick Schampaert, Jean Claude Tardif, McGill University Center, Montreal, Canada

**448 - Adult Bone Marrow Cell Therapy in Patients With Acute Myocardial Infarction: A Meta-Analysis of Randomized Controlled Trials Using Cardiac Magnetic Resonance Imaging**

Anweshan Samanta, Muhammad Afzal, Amy Cantilena, Shubha Deep Roy, Siva Sagar Taduru, Buddhadeb Dawn, University of Missouri - Kansas City, Kansas City, MO, USA, University of Kansas Medical Center, Kansas City, KS, USA

**449 - National Trends in Revascularization and Outcomes of ST-Segment Elevation Myocardial Infarction in Adults Aged 60 Years or Over, 2005-2014**

Bing Yue, Mariam Khandaker, Xin Wei, Shuyang Fang, Chayakrit Krittawong, Ashish Correa, Abel Casso Dominguez, Matthew Tomey, Mount Sinai St. Luke's Hospital, New York, NY, USA, Mount Sinai West Hospital, New York, NY, USA

**450 - Novel Prothrombotic and Genetic Risk Factors in Acute Myocardial Infarction: Implications For Mid- and Long-Term Secondary Prevention**

Barbara Carbonell, Sara Vazquez, Joaquim Bobi, Victoria Martin-Yuste, Ana Paula Dantas, Maribel Diaz-Ricart, Dolors Tassies, Ander Regueiro, Xavier Freixa, Salvatore Brugaletta, Monica Masotti, Manel Sabate, Juan Carlos Reverter, Gines Escolar, Mercè Roqué, Department of Cardiology, Hospital Clínic de Barcelona, Barcelona, Spain, Department of Hematology, Hospital Clínic de Barcelona, Barcelona, Spain

**451 - Impact of Hospital Procedure Volumes on Outcomes of PCI For ST-Segment Elevation Myocardial Infarction in the United States**

Annie Dong, Ali Malik, Gayle Allenback, Jimmy Diep, Chowdhury Ahsan, University of Nevada, Las Vegas, Las Vegas, NV, USA

**452 - Impact of High Sensitivity C Reactive Protein Level on Clinical Outcomes of Acute Coronary Syndrome Patients With Dyslipidemia Undergoing Contemporary Lipid Lowering Therapy**

Erisa Watanabe, Risa Ogawa, Junichi Yamaguchi, Haruki Sekiguchi, Masataka Ogiso, Hiroyuki Arashi, Hiroshi Ogawa, Nobuhisa Hagiwara, Tokyo Women's Medical University, Tokyo, Japan

**453 - Papillary Muscle Rupture in Patients With Acute Myocardial Infarction: An Analysis From National Inpatient Sample Database**

Blaskar Bhardwaj, Varun Kumar, Nileshkumar Patel, Kul Aggarwal, Arun Kumar, Sudarshan Balla, Martin Alpert, University of Missouri Columbia

School of Medicine, Columbia, MO, USA, University of Miami Miller School of Medicine, Miami, FL, USA

**454 - Effect of Early Intravenous Metoprolol Administration on Ischemia Severity During Ongoing Myocardial Infarction: Insights From an Electrocardiography Analysis**

Raquel Diaz-Munoz, Rodrigo Fernandez-Jimenez, Maria Jose Valle-Caballero, Borja Ruiz-Mateos, Gonzalo Pizarro, Leticia Fernandez-Friera, Jose Antonio Iglesias-Vazquez, Patricia Fernan, Valentin Fuster, Juan C. Garcia-Rubira, Borja Ibanez, Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Madrid, Spain, Icahn School of Medicine at Mount Sinai, New York, NY, USA

**455 - Predicting the Need For Skilled Nursing Facilities After Acute Myocardial Infarction**

Jason Wasfy, Kevin Kennedy, Frederick A. Masoudi, Suzanne Arnold, Vinay Kini, Tim Ferris, Pamela Peterson, Jeptha Curtis, Amit Amin, Steven Bradley, Michael Ho, John Spertus, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA, Saint Luke's Mid America Heart Institute/UMKC, Kansas City, MO, USA

**456 - High Sensitive Troponin T as Predictor of Acute Coronary Occlusions in Patients With Non-ST Segment Elevation Acute Coronary Syndrome**

Santiago Ordóñez, Rocio C. Baro, Victoria Galizia Brito, Ivan E. Chilik, Josefina B. Parodi, Marcelo S. Trivi, Juan P. Costabel, Instituto Cardiovascular de Buenos Aires, Buenos Aires, Argentina

**457 - Long-Term Survival After Myocardial Infarction in a Six-Year Follow-Up Cohort, Eole**

Nicholas Moore, Cecile Droz-Perroneau, Patrick Blin, Caroline Dureau-Pournin, Daniel Thomas, Nicolas Danchin, Jacques Tricoire, Francois Paillard, Serge Hercberg, Marie-Agnes Bernard, Jacques Benichou, Bordeaux PharmacoEpi, Bordeaux, France

**458 - National Trends in Length of Stay and Discharge Disposition in Bundled Payment For CABG and a.m.I/PCI Patients: A National Inpatient Sample Analysis**

Ryan Orgel, Paula Strassle, Charles Gaber, Adam Moskowitz, Thomas Caranasos, John Vavalle, Joseph Rossi, University of North Carolina, Chapel Hill, NC, USA

**459 - Antithrombotic Management Patterns and Long-Term Outcomes of Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention in Asia: An EPICOR Asia (long-term follow-up of antithrombotic management patterns in Acute Coronary Syndrome patients in Asia) Analysis**

Shuning Zhang, Wei Wang, Jitendra Sawhney, Rungroj Krittayaphong, Hyo-Soo Kim, Vo Thanh Nhan, Stephen Lee, Tiong Kiam Ong, Chee Tang Chin, Stuart Pocock, Yong Huo, Juying Qian, Jun Bo Ge, AstraZeneca, Shanghai, People's Republic of China

**460 - Correlation of Anteroseptal ST-Elevations With Myocardial Infarction Territories Through Cardiovascular Magnetic Resonance Imaging**

Joseph Allencheril, Yama Fakhri, Henrik Engblom, Einar Heiberg, Marcus Carlsson, Jean-Luc Dubois-Rande, Sigrun Halvorsen, Trygve Hall, Alf Inge Larsen, Svend Eggert Jensen, Hakan Arheden, Dan Atar, Peter Clemmensen, Maria Ripa, Yochai Birnbaum, Baylor College of Medicine, Houston, TX, USA

**461 - Higher Macrophage Migration Inhibitory Factor Levels Identify Reperfusion Inefficiency in Patients With Acute Myocardial Infarction**

Xiangning Deng, Xinyu Wang, Youyi Zhang, Anthony Dart, Xiaojun Du, Wei Gao, Department of Cardiology, Institute of Vascular Medicine, Peking University Third Hospital, Beijing, People's Republic of China, Baker Heart and Diabetes Institute, Melbourne, Australia



462 - Association Between Continued Beta-Blocker Use and All-Cause Mortality in Long-Term Post MI Survivors: A Report From the Crusade Registry

Jay Shavadia, DaJuanicia Holmes, Laine Thomas, Eric D. Peterson, Matthew Roe, Tracy Wang, Duke Clinical Research Institute, Durham, NC, USA

463 - An Invasive Strategy Is Associated With Improved Survival in Medicare Patients With Non-ST Elevation Myocardial Infarction

Joshua Mitchell, Eric Novak, Nicole Fergestrom, David Brown, Washington University in St. Louis, St. Louis, MO, USA

464 - Complete Revascularization Versus Culprit Vessel Intervention-Only in Patients With ST-Elevation Myocardial Infarction and Multi Vessel Coronary Disease: Stratified Analyses in High-Risk Groups From a Prospective Korea Acute Myocardial Infarction-National Institutes of Health Registry

Sung Gyun Ahn, Dae Ryong Kang, Hye Sim Kim, Tae-Hwa Go, Min Heui Yu, Sangwook Park, Jung-Woo Son, Jun-Won Lee, Min-Soo Ahn, Young Jin Youn, Jang-Young Kim, Byung-Su Yoo, Seung-Hwan Lee, Junghan Yoon, KAMIR-NIH Investigators, Division of Cardiology, Yonsei University Wonju College of Medicine, Wonju, South Korea, Center of Biomedical Data Science, Yonsei University Wonju College of Medicine, Wonju, South Korea

465 - Trends, Management Patterns and Predictors of Leaving Against Medical Advice Among Patients With Documented Non-Compliance Admitted For Acute Myocardial Infarction

Gbolahan Ogundbayo, Naoki Misumida, Karam Ayoub, Le Dung Ha, Meera Marji, Samy Elayi, Ahmed Abdel-Latif, Adrian Messerli, Khaled Ziada, University of Kentucky, Lexington, KY, USA

466 - Incidence, Characteristics, Trends and Clinical Outcomes in Patients With Atrial Fibrillation Complicated by Non ST Elevation Myocardial Infarction

Gbolahan Ogundbayo, Le Dung Ha, Ayman Elbadawi, Odunayo Olorunfemi, Deola Saheed, Yousef Darrat, Maya Guglin, Adrian Messerli, Ahmed Abdel-Latif, Susan Smyth, Claude Elayi, University of Kentucky, Lexington, KY, USA, Rochester General Hospital, Rochester, NY, USA

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

#### Session #1131

#### New Insights Into Antiplatelet Therapy

Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

467 - Pharmacodynamics of Prasugrel and Ticagrelor in Patients With Acute Coronary Syndrome and the Effect of Switching to Clopidogrel For Economic and Other Reasons: Platelet Reactivity Sub-Study of the Multicenter Randomized Prague-18 Trial

Roman Miklik, Jiri Knot, Robin Kralik, Martin Kamenik, Jiri Jarkovsky, Iuri Marinov, Zuzana Motovska, Faculty of Medicine, Masaryk University and Internal Cardiology Department, Faculty Hospital, Brno, Czech Republic, Third Faculty of Medicine, Charles University and University Hospital Kralovske Vinohrady, Prague, Czech Republic

468 - Difference in Medication Adherence Between Patients Filling 30- Versus 90-Day Prescription Supply After Acute Myocardial Infarction

Jennifer Rymer, Eileen Fonseca, Durgesh Bhandary, Naeem Khan, Tracy Wang, Duke University Medical Center, Durham, NC, USA

469 - Validation of the Predicting Bleeding Complications in Patients Undergoing Stent Implantation and Subsequent Dual Antiplatelet Therapy (PRECISE-DAPT) Score in the Elderly Population

David Marti, Damaris Carballera Puentes, Jose Morales Gallardo, David Brau Queralt, Ricardo Concepcion Suarez, Andrea Rueda Linares, Carlos Jiménez

Chillón, Edurne Lopez, Jorge Palazuelos, Salvador Álvarez, Central Defense Hospital, Madrid, Spain

470 - The COMPASS Criteria Applied to a Real Life Population From the Fast-MI 2005 and 2010 Registries

Francois Schiele, Etienne Puymirat, Marion Chatot, Karl Isaaz, Bruno Farah, Brahim Harbaoui, Philoktimon Plastaras, Gregory Ducrocq, Jean Ferrières, Tabassome Simon, Nicolas Meneveau, Nicolas Danchin, University Hospital Jean Minjoz, Besancon, France, Hôpital Européen Georges Pompidou, Paris, France

471 - A Systematic Review and Meta-Analysis of Dual Antiplatelet Therapy Versus Antiplatelet Monotherapy After Coronary Artery Bypass Graft Surgery

Leonardo Knijnik, Rhanderson Cardoso, Manuel Rivera, Gilson Costa Fernandes Filho, Amanda Fernandes, John McEvoy, Seamus Whelton, Tyler Gluckman, Roger Blumenthal, Jackson Memorial Hospital and University of Miami, Miami, FL, USA, Johns Hopkins Hospital, Baltimore, MD, USA

472 - The Effect of Cessation of 2nd Generation P2Y12 Inhibitor Therapy on Platelet Reactivity in Patients After Acute Myocardial Infarction

Guy Witberg, Jalal Bathish, Alejandro Solodky, Tamir Bental, Ran Kornowski, Eli Lev, Rabin Medical Center, Petah Tikva, Israel, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

473 - Early Discontinuation of P2Y12 Antagonists and Adverse Clinical Outcomes Post Percutaneous Coronary Intervention

Daniel Harris, Arron Lacey, Ashley Akbari, Mike B. Gravenor, Julian Halcox, Swansea University, Swansea, United Kingdom

474 - Cangrelor as an Antiplatelet Bridging Strategy in Patients With Coronary Artery Disease Undergoing Cardiac and Non-Cardiac Surgery

Victor Kairouz, Pujan Patel, Francesco Franchi, Nagaraju Deepa, Siva Suryadevara, Daniel Soffer, John Parris, Martin Zenni, Theodore Bass, Dominick Angiolillo, Fabiana Rollini, University of Florida, Jacksonville, FL, USA

475 - Vorapaxar Pharmacodynamics: Effects on Thrombogenicity, Endothelial Function, and Interactions With Clopidogrel and Aspirin

Paul A. Gurbel, Kevin Bliden, Rachel Bell, Hamid Taheri, Behnam Tehrani, Tenzin Dechen, Katherine Armstrong, Udaya Tantry, Inova Heart and Vascular Institute, Falls Church, VA, USA

476 - Post-Discharge Bleeding and Subsequent Major Cardiovascular Events in Chinese Patients With Acute Coronary Syndrome Who Underwent Percutaneous Coronary Intervention: A National Wide Multicentre Prospective Study

Yundai Chen, Tong Yin, Shuyang Zhang, Hongbing Yan, Juying Qian, Jiyan Chen, Xi Su, Zhimin Du, Lefeng Wang, Qin Qin, Chuanyu Gao, Yang Zheng, Chinese PLA General Hospital, Beijing, People's Republic of China

477 - Chronic Inflammatory Disease and Long-Term Clinical Outcomes After Percutaneous Coronary Intervention in Very Young Adults

Shunsuke Kubo, Suguru Otsuru, Seiji Habara, Takeshi Tada, Hiroyuki Tanaka, Yasushi Fuku, Tsuyoshi Goto, Kazushige Kadota, Kurashiki Central Hospital, Kurashiki, Japan

478 - The Relationship Between Timing of Prasugrel Pretreatment and In-Stent Thrombus Immediately After Percutaneous Coronary Intervention For Acute Coronary Syndrome: An Optical Coherence Tomography Study

Yosuke Katayama, Takashi Kubo, Yasushi Ino, Yoshiaki Matsuo, Hironori Kitabata, Akira Taruya, Kunihiro Shimamura, Yasutsugu Shiono, Atsushi Tanaka, Takeshi Hozumi, Takashi Akasaka, Wakayama Medical University, Wakayama City, Japan



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

#### Session #1132

#### Exosomes Overcoming Myocardial Injury

Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

479 - Pleiotropic Effects of the Exosomes From iPSC-Derivatives in Restoring Injured Myocardium

Evgeniya Vaskova, Yuko Tada, Daniel von Bornstaedt, Y. Woo, Phillip Yang, Stanford University, Stanford, CA, USA

480 - Bone Marrow Derived Mesenchymal Stem Cell-Derived Exosomes

Promote the Proliferation of Cardiac Stem Cell Through Exosomal MiR-150 by Targeting SRCIN1

Wenwen Deng, Ling Li, Bei Shi, The First Affiliated Hospital of Zunyi Medical College, Zunyi, People's Republic of China

481 - Exosomes Produced by Human Amniotic Mesenchymal Stem Cell-Derived Induced Pluripotent Stem Cells Modulate Immune Response in Murine Myocardial Injury Model

Albert Jang, Hye Sun Seo, Daniel Bornstaedt, Ji Hye Jung, Evgeniya Vaskova, Phillip Yang, Stanford University School of Medicine, Stanford, CA, USA

482 - Atorvastatin Improves the Therapeutic Efficacy of Mesenchymal Stem Cells Derived Exosomes in Acute Myocardial Infarction by Promoting Endothelial Cell Function

Peisen Huang, YueJin Yang, Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, People's Republic of China

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

#### Session #1141M

#### Limiting Reperfusion Injury and Infarct Size: New Heroes For an Old Villain

Saturday, March 10, 2018, 10:00 a.m. - 12:00 p.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Nehal N. Mehta

ACC Poster Moderator: John M. Carty

10:00 a.m.

E06, a Natural Antibody Targeted to Oxidized Phospholipids, Attenuates Cardiac Ischemia Reperfusion Injury in Mice

Calvin Yeang, Xuchu Que, Masahiko Hoshijima, Yusu Gu, William Bradford, Nancy Dalton, Phuong Miu, Joseph Witztum, Kirk Peterson, Sotirios Tsimikas, UCSD, San Diego, CA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Cardiomyocyte- and Not Endothelial-Specific  $\beta$ 3-Adrenergic Receptor Stimulation Protects the Heart Against Ischemia/Reperfusion Injury

Andrés Pun, Monica Gomez, David Sanz-Rosa, Belen Prados, Jose Luis de la Pompa, Borja Ibanez, Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Madrid, Spain

10:25 a.m.

Question and Answer

10:30 a.m.

Pharmacological Inhibition of Adenylyl Cyclase Type 5: A Novel Therapeutic Modality to Reduce Infarct Size Even When Delivered After Coronary Artery Reperfusion

Jie Zhang, Daniel Levy, Thomas Richardson, Christopher Meenan, Seonghun Yoon, Dorothy E. Vatner, Stephen F. Vatner, Rutgers University-New Jersey Medical School, Newark, NJ, USA, Vasade Biosciences, Inc., Barnegat Light, NJ, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Recombinant Human Neuregulin-1 Reduces the Expression of NOX4 by Activating ERK1/2 to Alleviate Myocardial Ischemia Reperfusion Injury

Fuhua Wang, Xuejing Liu, Haiyi Yu, Xiaomin Huang, Wei Huang, Guisong Wang, Department of Cardiology, Peking University Third Hospital, Key Laboratory of Cardiovascular, Peking, People's Republic of China

10:55 a.m.

Question and Answer

11:00 a.m.

HDL3C Is the Most Effective HDL Phenotype in the Attenuation of Myocardial Ischemia and Reperfusion Injury

Vitor Wilson De Moura Virginio, Isabella B. Oliveira, Michele Santana, Joaquim Oliveira, Orlando Petrucci, Andrei C. Sposito, University of Campinas (UNICAMP), Campinas-SP, Brazil

11:10 a.m.

Question and Answer

11:15 a.m.

Metabolomic Analysis of Human Plasma During Myocardial Reperfusion Injury: A Non-Targeted Approach

Arun Surendran, Michel Aliani, Amir Ravandi, Albrechtsen Research Centre, St. Boniface Hospital, Winnipeg, Canada, University of Manitoba, Winnipeg, Canada

11:25 a.m.

Question and Answer

11:30 a.m.

Exosomes From Induced Pluripotent Stem Cell-Derived Cardiomyocytes Salvage the Injured Myocardium by Modulation of Autophagy

Michelle Santoso, Hiromi Sano, Yuko Tada, Raymond Sierra, Andrew Goldstone, Daniel von Bornstaedt, Cornelius Gati, Y. Woo, Phillip Yang, Stanford University, Stanford, CA, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Exosomal Mir-106a-363 Cluster From the Hypoxic Human iPSC-Derived Cardiomyocytes Restore the Ischemic Myocardium

Ji Hye Jung, Yuko Tada, Daniel Bornstaedt, Christine Wahlquist, Mark Mercola, Y. Woo, Phillip Yang, Stanford Cardiovascular Institute, Stanford, CA, USA

11:55 a.m.

Question and Answer



### Acute and Stable Ischemic Heart Disease - Hands-on Skills Learning Session #1503

#### Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform

Saturday, March 10, 2018, 10:15 a.m. - 11:15 a.m.

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

CME Hours: 1 /CNE Hours: 1

10:15 a.m.

Faculty: Clinical Judgement Challenge Station

Matthew W. Martinez

Allentown, PA

Faisal Bakaeen  
Cleveland, OH

12:15 p.m.

Cleveland Clinic Clinical/Imaging Cardiologist

Venu Menon

Cleveland, OH

12:15 p.m.

Cleveland Clinic Fellow

Grant W. Reed

Broadview Heights, OH

12:15 p.m.

UPMC Interventionalist

Suresh Mulukutla

Wexford, PA

12:15 p.m.

UPMC Cardiothoracic Surgeon

Danny Chu

Pittsburgh, PA

12:15 p.m.

UPMC Imaging Cardiologist

Timothy C. Wong

Wexford, PA

12:15 p.m.

UPMC CV Team Member

Lisa Henry

Pittsburgh, PA

12:15 p.m.

UTHSCA CV Team Member

Catherine D. Shah

Boerne, TX

### Acute and Stable Ischemic Heart Disease - Scientific Session #608

#### Managing Angina: Main Street, or Adventureland?

Saturday, March 10, 2018, 12:15 p.m. - 1:45 p.m.

Room 206 A

CME Hours: 1.5 /CNE Hours: 1.5

12:15 p.m.

Co-Chair: Jamieson M. Bourque

Co-Chair: Erik Magnus Ohman

12:15 p.m.

Advances in Pharmacotherapy of Angina

Carl J. Pepine

Gainesville, FL

12:25 p.m.

Audience Question and Answer

12:29 p.m.

Exercising Your Way to Angina Reduction

Carl J. Lavie

New Orleans, LA

12:39 p.m.

Audience Question and Answer

12:43 p.m.

Role of CTO Revascularization in Refractory Angina

### Acute and Stable Ischemic Heart Disease - Gaming

#### Session #6001

#### Engage @ACC.18 Studio: Heart Teams in Action Complex Coronary Revascularization Decision-Making

Saturday, March 10, 2018, 12:15 p.m. - 1:15 p.m.

Engage@ ACC.18 Studio, Hall A/B

CME Hours: 1 /CNE Hours: 1

Co-Chair: Frederick L. Grover

Co-Chair: Akshay K. Khandelwal

12:15 p.m.

Introduction to Format by Co-Chairs

Case Presenter

Sahil Khera

Boston, MA

12:15 p.m.

UPMC Interventionalist

Suresh Mulukutla

Wexford, PA

12:15 p.m.

UPMC Cardiothoracic Surgeon

Danny Chu

Pittsburgh, PA

12:15 p.m.

UPMC Imaging Cardiologist

Timothy C. Wong

Wexford, PA

12:15 p.m.

UPMC CV Team Member

Lisa Henry

Pittsburgh, PA

12:15 p.m.

UTHSCA CV Team Member

Catherine D. Shah

Boerne, TX

12:15 p.m.

Heart Teams Panel Discussion

Case Presenter

Mir Babar Basir

Detroit, MI

12:15 p.m.

Heart Teams Panel Discussion

Case Presenter

Andrea Carpenter

San Antonio, TX

12:15 p.m.

UTHSCSA Surgeon

Rushit R. Kanakia

San Antonio, TX

12:15 p.m.

UTHSCSA Interventionalist

Anand Prasad

San Antonio, TX

12:15 p.m.

UTHSCSA Imaging Cardiologist

Rushit R. Kanakia

San Antonio, TX

12:15 p.m.

Cleveland Clinic Interventionalist

Samir R. Kapadia

Cleveland, OH

12:15 p.m.

Cleveland Clinic Surgeon



Carlo Di Mario  
Florence, Italy

12:53 p.m.  
Audience Question and Answer

12:57 p.m.  
Surgical Solutions for Refractory Angina  
Joseph F. Sabik  
Cleveland, OH

1:07 p.m.  
Audience Question and Answer

1:11 p.m.  
Novel Methods to Treat Refractory Angina: Tried, Tested, and Experimental  
Marc E. Jolicoeur  
Montreal, Canada

1:22 p.m.  
Audience Question and Answer

1:26 p.m.  
What Is Refractory Angina, and How Can I Appropriately Manage It?  
David Maron  
Stanford, CA

1:36 p.m.  
Audience Question and Answer

**Acute and Stable Ischemic Heart Disease - Core Curriculum**  
**Session #802**  
**ACS Update: What Would You Do?**  
**Saturday, March 10, 2018, 12:15 p.m. - 1:45 p.m.**  
**Room 207 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Chair: Jordan Glanzman Safirstein

12:15 p.m.  
Multivessel Disease & MI: How and When to Intervene  
Anthony Gershlick  
Leicester, United Kingdom

12:35 p.m.  
SCAD Angiographic Findings and Optimal Treatment  
Rajiv Gulati  
Rochester, MN

12:55 p.m.  
Antiplatelet Therapy Post-PCI: Guideline Review of DAPT  
Eric R. Bates  
Ann Arbor, MI

1:16 p.m.  
Panel Discussion Moderator  
Jordan Glanzman Safirstein  
Mountain Lakes, NJ

1:16 p.m.  
Panel Discussion with Question and Answer

**Acute and Stable Ischemic Heart Disease - Poster Contributions**  
**Session #1171**

**Managing Patients With Stable Ischemic Heart Disease: A Multitude of Things to Consider**

**Saturday, March 10, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

435 - Predictors of LDL-Cholesterol and Systolic Blood Pressure (SBP) Goal Attainment at One Year: Interim Data From the ISCHEMIA Trial  
Jonathan D. Newman, Karen Alexander, Sean O'Brien, Xiangqiong Gu, Sajeet Govindan, Roxy Senior, Paulo Rezende, Nagaraja Moorthy, Marcin Demkow, Jose Lopez-Sendon, Olga Bockeria, Gilbert Gosselin, Neeraj Pandit, Peter Stone, William Boden, John Spertus, Gregg Stone, Judith Hochman, David Maron, New York University, School of Medicine, New York, NY, USA

436 - Dose Escalation and the Safety of Celecoxib, Ibuprofen, and Naproxen: Analysis of the PRECISION Trial  
Grant W. Reed, Mingyuan Shao, Kathy Wolski, Mouin Abdallah, Lisa Wisniewski, Neville Yeomans, Thomas F. Luscher, Jeffrey Borer, David Y. Graham, Elaine Husni, Daniel Solomon, Peter Libby, Venu Menon, A. Lincoff, Steven Nissen, Cleveland Clinic, Cleveland, OH, USA

437 - A Comparative Analysis of Clinical Prediction Models Versus a Clinician's Assessment For the Prediction of Obstructive Coronary Artery Disease in Patients With Chest Pain

Jean Ho, Alexander Ivanov, Pavan Patel, Natalia Crenesse-Cozien, Saadat Khan, Krishnanjali Jonnalagadda, Michelle Sayad, Sorin J. Brener, Terrence Sacchi, John Heitner, New York-Presbyterian Brooklyn Methodist Hospital, Brooklyn, NY, USA

438 - Impact of the Mediterranean Diet on Patients With a First Acute Myocardial Infarction

Paola Scarano, Marco Magnoni, Nicole Cristell, Martina Berteotti, Guglielmo Gallone, Paolo Camici, Attilio Maseri, Domenico Cianflone, IRCCS Ospedale San Raffaele Università Vita-Salute Milano, Milan, Italy, Fondazione "Per il Tuo Cuore" Heart Care Foundation ONLUS, Rome, Italy

439 - Organization of Thrombus Contributes to Rapid Progression of Coronary Artery Disease: A Serial Coronary Angiograms and Optical Coherence Tomography Study

Kenichi Fujii, Satoru Otsuji, Shin Takiuchi, Wataru Yamamoto, Kasumi Ishibuchi, Hiroto Tamaru, Katsuyuki Hasegawa, Rui Ishii, Sho Nakabayashi, Motoaki Ibuki, Shinya Nagayama, Yorihiko Higashino, Higashi Takarazuka Satoh Hospital, Takarazuka, Japan

440 - Influence of an Electronic Medical Record Based Bleeding Risk Calculator on Bleeding Events, Readmissions and Cost Following Percutaneous Coronary Intervention

Joseph Ebinger, Steven Tabak, Yaron Elad, Katherine Gurvitz, Shivani Patel, Christopher Simon, Timothy D. Henry, Cedars-Sinai Medical Center, Los Angeles, CA, USA

441 - Undetermined Cause of Death: A Pooled Analysis of 9,307 Deaths Across 9 Cardiovascular Trials

Alexander C. Fanaroff, Robert Clare, Karen Pieper, Kenneth Mahaffey, Chiara Melloni, Jennifer Green, John Alexander, William Jones, Robert Harrison, Rajendra Mehta, Thomas Povsic, Humberto Moreira, Sana Al-Khatib, Matthew Roe, David Kong, Robin Mathews, Pierluigi Tricoci, Rury Holman, Lars Wallentin, Claes Held, Karen Alexander, Renato Lopes, Duke Clinical Research Institute, Durham, NC, USA

442 - Association Between Optimism and Outcomes in Patients With Chronic Angina



Alexander C. Fanaroff, Kristi Prather, Daniel Wojdyla, Ori Ben-Yehuda, Giora Weisz, Gregg Stone, Bruce Koch, Erik Ohman, Karen Alexander, Duke Clinical Research Institute, Durham, NC, USA

443 - High Bilateral Carotid Temperatures Predict Increased Two-Year Cardiovascular Event Rate

Georgios Benetos, Konstantinos Toutouzas, Georgios Oikonomou, Iosif Koutagiar, Fotini Mitropoulou, Nikolaos Barampoutis, Periklis Davlouros, Andreas Synetos, Elias Siories, Dimitris Tousoulis, First Department of Cardiology, Athens, Greece

444 - Sentinel Events Prior to Sudden Cardiac Death Among Clinically Stable Acute Coronary Syndrome Patients: Insights From the IMPROVE-IT Trial  
Christopher Fordyce, Matthew Roe, Abhinav Sharma, Courtney Page, Jennifer White, Yuliya Lohnygina, Michael Blazing, University of British Columbia, Vancouver, Canada, Duke Clinical Research Institute, Durham, NC, USA

445 - Thrombin-Induced Clot Strength and Platelet Reactivity For Prediction of Major Cardiovascular Events Following Percutaneous Coronary Intervention

Jong-Hwa Ahn, Jae Seok Bae, Jeong Yoon Jang, Min Gyu Kang, Kyehwan Kim, Hyun Woong Park, Jin-Sin Koh, Yongwhi Park, Seok-Jae Hwang, Choong Hwan Kwak, Jin-Yong Hwang, Young-Hoon Jeong, Gyeongsang National University Changwon Hospital, Changwon, South Korea

446 - Association Between New York State Hospital Post-Percutaneous Coronary Intervention Mortality and Readmissions and CMS Hospital Star Ratings

Sameed Ahmed Khatana, Peter Groeneveld, Jay S. Giri, Perelman School of Medicine, Philadelphia, PA, USA, The Leonard Davis Institute of Health Economics, University of Pennsylvania, Philadelphia, PA, USA

447 - Feasibility and Validity of Measuring Patient-Reported Health Status at Time of PCI: Results From a Single-Center Quality Improvement Initiative  
Usman Baber, Serdar Farhan, Nitin Barman, Joseph Sweeny, Jason Kovacic, George Dangas, Roxana Mehran, Annapoorna Subhash Kini, Samin K. Sharma, Mount Sinai, New York, NY, USA

448 - The Impact of Ranolazine Versus Placebo on Health Related Quality of Life in Patients With Chronic Stable Angina and Type 2 Diabetes

Craig I. Coleman, Elaine Nguyen, Erin R. Weeda, Christine Kohn, University of Connecticut, Storrs, CT, USA

449 - Temporal and Geographic Correlation Between Coronary Artery Disease Prevalence and Search Engine Queries

Conor Senecal, Robert Jay Widmer, Amir Lerman, Mayo Clinic, Rochester, MN, USA

450 - Impact of Adenosine A2a Receptor Polymorphism Rs5751876 on Platelet Reactivity in Ticagrelor Treated Patients

Monica Verdoia, Matteo Nardin, Lucia Barbieri, Roberta Rolla, Gennaro Galasso, Paolo Marino, Giorgio Bellomo, Giuseppe De Luca, AOU Maggiore della Carità, Università del Piemonte Orientale, Novara, Italy

451 - The Coronary Sinus Reducer Improves Angina, Ischemia and Physical Activity in Patients With Severe Angina Pectoris: A Single Center Experience  
Maayan Konigstein, Samuel Bazan, Miri Revivo, Shmuel Banai, Tel Aviv Medical Center, Tel Aviv, Israel

452 - Prognostic Value of Anatomical and Clinical SYNTAX Score in Veterans With Left Main or Three-Vessel Coronary Artery Disease

Naoki Misumida, Ahmed E. Ahmed, Mariah Pagath, Rachel Goodwin, Elliot Goodwin, Mohammad Mathboub, Ameer Musa, Ahmed Abdel-Latif, Khaled Ziada, Lexington VA Medical Center, Lexington, KY, USA, University of Kentucky Medical, KY, USA

453 - Low Diastolic Blood Pressure Is Associated With Greater Odds of Angina in Patients With Chronic Coronary Artery Disease

Poghni Peri-Okonny, Krishna Patel, Philip Jones, Kensey Gosch, Suzanne Arnold, John Spertus, Saint Luke's Mid America Heart Institute and University of Missouri, Kansas City, Kansas City, MO, USA

454 - Calculated Plasma Volume Status Predicts Early and Late Outcomes After Coronary Artery Bypass Grafting

Annette Maznyczka, Mohamad Barakat, Bassey Ussen, Huda Abu-Own, Fadi Jouhra, Olaf Wendler, Shyamsunder Kolvekar, Darlington Okonko, King's College Hospital & King's College London, London, United Kingdom, Royal Free Hospital & University College London, United Kingdom

455 - High-Risk Plaque in Non-Obstructive Coronary Artery Disease Confers Risk Similar to Obstructive Disease Without High-Risk Features: The ICONIC Study

Richard Anthony Ferraro, Fay Lin, Jessica Peña, Daniele Andreini, Filippo Cademartiri, Kavitha Chinnaiyan, Benjamin Chow, Ricardo Cury, Gudrun Feuchtner, Martin Hadamitzky, Yong-Jin Kim, Jonathon Leipsic, Hugo Marques, Gianluca Pontone, Gilbert Raff, Todd Villines, Peter Stone, Habib Samady, Renu Virmani, Jagat Narula, Jeroen J. Bax, James K. Min, Hyuk-Jae Chang, Weill Cornell Medical College, New York, NY, USA

456 - Determinants of High-Sensitivity Cardiac Troponin I Concentrations in Patients With Suspected Stable Angina

Philip D. Adamson, James Henderson, Amanda Hunter, Michelle Williams, Alastair J. Moss, Anoop Shah, David A. McAllister, Marc R. Dweck, Nicholas Mills, David Newby, University of Edinburgh, Edinburgh, United Kingdom

457 - Early Diastolic Strain Rate by Two-Dimensional Speckle Tracking Echocardiography Is a Predictor of Coronary Artery Disease and Cardiovascular Events in Stable Angina Pectoris

Rikke Andersen, Soren Hoffmann, Christoffer Hagemann, Philip Brainin, Thomas Fritz-Hansen, Flemming Javier Olsen, Jan Jensen, Tor Biering-Sørensen, Department of Cardiology, Gentofte Hospital, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark

458 - Cardiac Troponin T Concentrations Measured With a High-Sensitivity Assay and Reversible Myocardial Ischemia in Patients With Suspected Stable Angina: A DOPPLER-CIP Substudy

Peder Myhre, Helge Rosjo, Sebastian Sarvari, Jan D'hooge, Jan Engvall, Rosa Sicari, Jose Zamorano, Thor Edvardsen, Torbjorn Omland, Akershus University Hospital, Lørenskog, Norway

459 - The Effects of Adding the CETP Inhibitor Anacetrapib to Statin on Urgent and Routine Revascularization: Results From the HPS 3/TIMI 55-REVEAL Trial

Stephen D. Wiviott, on behalf of the HPS 3/TIMI 55 - REVEAL Collaborative Group, Brigham and Women's Hospital, Boston, MA, USA, University of Oxford, Oxford, United Kingdom

460 - Achilles Tendon Xanthoma Is Associated With Severity of Coronary Artery Disease

Takuya Hashimoto, Yoshiyasu Minami, Ryota Kakizaki, Teruyoshi Nemoto, Kazuhiro Fujiyoshi, Kohki Ishida, Tomoyoshi Yanagisawa, Kentaro Meguro, Takao Shimohama, Taiki Tojo, Minako Yamaoka-Tojo, Junya Ako, Kitasato University School of Medicine, Sagamihara, Japan

461 - Arterial Stiffness and Vascular Calcification Predicts Adverse Cardiovascular Events in Subjects With Coronary Artery Disease After Percutaneous Coronary Intervention

Evangelos Oikonomou, Gerasimos Siasos, Georgios Georgopoulos, Emmanouil Vavuranakis, Georgia Vogiatzi, Konstantinos Maniatis, Alexios Antonopoulos, Sotirios Tsalamandris, Vasiliki Tsigkou, George-Angelo Papamikroulis, Athina Goliopoulou, Dimitris Tousoulis, First Cardiology Clinic,



'Hippokration' Hospital, National and Kapodistrian University of Athens, Athens, Greece

462 - Gamma-Glutamyl Transferase and Oxidized Low-Density Lipoprotein in Premature Coronary Artery Disease in Chinese

Yuli Huang, Yu Wu, You Yang, Wensheng Li, Jianhua Lu, Yunzhao Hu, Shunde Hospital, Southern Medical University, Foshan, People's Republic of China

463 - The Impact of Platelet-Fibrin Clot Strength and Inflammation on Incidence of Peripheral Artery Disease and Clinical Outcomes in Patients With Significant Coronary Artery Disease

Jae Seok Bae, Jong-Hwa Ahn, Jeong Yoon Jang, Min Gyu Kang, Kyehwan Kim, Hyun Woong Park, Jin-Sin Koh, Yongwhi Park, Choong Hwan Kwak, Jin-Yong Hwang, Young-Hoon Jeong, Cardiovascular Center, Gyeongsang National University Changwon Hospital, Changwon, South Korea, Department of Internal Medicine, Gyeongsang National University Hospital, Jinju, South Korea

464 - Association of Perioperative Antiplatelet Therapy and Outcomes in Patients With Drug-Eluting Stent Placement Undergoing Noncardiac Surgery

Min Ji Kim, Sung-Jin Hong, Jung-Sun Kim, Eun Hwa Kim, Jinae Lee, Chul-Min Ahn, Byeong-Keuk Kim, Young-Guk Ko, Donghoon Choi, Myeong-Ki Hong, Yangsoo Jang, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, South Korea

465 - Prior Coronary Artery Bypass Grafting and Incident Cardiovascular Events in the Setting of Contemporary Medical Therapy: Insights From ACCELERATE

Adam J. Nelson, Stephen Nicholls, A. Lincoff, Venu Menon, Jeffrey Riesmeyer, Giacomo Ruotolo, Kathy Wolski, Ellen McErlean, Steven Nissen, Cleveland Clinic, Cleveland, OH, USA, South Australian Health and Medical Research Institute, Adelaide, Australia

466 - Association Between Genetic Variants in PCSK9/ APOB/ LDLR and Premature Myocardial Infarction in Han Chinese

Tian Pu, Haiyi Yu, Ming Xu, Wei Gao, Guisong Wang, Department of Cardiology, Institute of Vascular Medicine, Peking University Third Hospital, Beijing, People's Republic of China

467 - Relationship Between Statin Use and Trimethylamine N-Oxide in Cardiovascular Risk Assessment

Daniel Y. Li, Zeneng Wang, Xinmin S. Li, Stanley L. Hazen, W. H. Wilson Tang, Cleveland Clinic Foundation, Cleveland, OH, USA

468 - Causes and Impact of Premature Interruption of Dual Antiplatelet Therapy in Patients With Active Cancer

Marissa Anne Lombardo, Polydoros Kampaktsis, Attila Feher, Simon Mantha, Usman Baber, Richard Steingart, Dipti Gupta, New York Presbyterian Weill Cornell, New York, NY, USA

469 - Comparing the Likelihood Ratios of the Duke Chest Pain Score and HEART Score in Predicting Inducible Ischemia by Nuclear Stress Test

Brian Allen, Eddie Abney, John Moran, Nabeel Saghir, George Rodgers, University of Texas at Austin Dell Medical School, Austin, TX, USA

470 - Predictors For Neoatherosclerosis in Sirolimus-Eluting Stents Over 10 Years After Implantation

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

471 - The Impact of Temporal Desaturation During Coronary Angiogram For Prediction of Subclinical Sleep Disorder Breathing

Masahide Tokue, Nobutaka Ikeda, Raisuke Iijima, Hidehiko Hara, Masato Nakamura, Toho University Ohashi Medical Center, Tokyo, Japan

472 - Assessing Cardiovascular Risk in Patients Undergoing Kidney Transplantation: Is There Gender Bias in Pre Transplantation Testing?

Monique Robinson, Haytham Mously, Saurav Uppal, Mohammed Wazzan, Sadeer Al-Kindi, Guilherme Oliveira, University Hospitals Cleveland Medical Center, Cleveland, OH, USA

473 - Cholesterol Crystal Is Associated With 12-Month Cardiovascular Events: An Optical Coherence Tomography Study

Kazuhiro Fujiyoshi, Yoshiyasu Minami, Kohki Ishida, Yusuke Muramatsu, Toshimitsu Sato, Ryota Kakizaki, Teruyoshi Nemoto, Takuya Hashimoto, Kentaro Meguro, Takao Shimohama, Taiki Tojo, Junya Ako, Department of Cardiovascular Medicine, Kitasato University School of Medicine, Sagamihara, Japan

474 - The Impact of Continuous Optimal Medical Therapy in ACS Patients

Seiichi Hiramori, Masaomi Hayashi, Yuhei Yamaji, Yasuaki Takeji, Shinichi Shirai, Kenji Ando, Kokura Memorial Hospital, Kitakyushu, Japan

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1172

#### Science of Prognosis in ASIH

**Saturday, March 10, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

475 - Identifying Genetic Causes of Spontaneous Coronary Artery Dissection by Whole Genome Sequencing in Related Individuals

James Fahey, Mirana Ramialison, Anthony White, Monash Cardiovascular Research Centre, Clayton, Australia, Australian Regenerative Medicine Institute, Clayton, Australia

476 - Getting to the HEART of the Matter

Jaime Holbert, Bret Rogers, Mark S. Rasnake, University of Tennessee Medical Center, Knoxville, TN, USA

477 - Prognostic Value of High Sensitive Troponin in Stable Coronary Artery Disease

Rocio Carda, Oscar Lorenzo, Ana Maria Pello, Álvaro Aceña, Carlos Gutierrez Landaluce, Carmen Cristobal, Nieves Tarín, Ana Huelmos, Jesús Fuentes-Antras, María Martín Mariscal, Ignacio Hernandez Gonzalez, Ana Huelmos, Lorenzo Lopez Bescos, José Tunon, Fundación Jiménez Díaz, Madrid, Spain

478 - Serum Cystatin C-Adiponectin Complex Levels Predict the Prognosis of Male Patients With Coronary Artery Disease

Tetsuro Matsuoka, Hiroyasu Yamamoto, Akane Matsuomoto, Natsumi Matsu, Yukika Mizukami, Kenji Fukuda, Yasunaka Makino, Shinji Kihara, Hyogo Prefectural Nishinomiya Hospital, Nishinomiya, Hyogo, Japan, Osaka University Graduate School of Medicine, Suita, Osaka, Japan

479 - Implication of Troponin I Release in Trauma Patients With Hip Fractures

Antonio Pereira, Harneet Bhatti, Supreeya Swarup, Jody Digiocomo, Roman Zeltser, Amgad Makaryus, Zucker School of Medicine Hofstra/Northwell, Hempstead, NY, USA, Nassau University Medical Center, East Meadow, NY

480 - Incidence and Cost of Major Cardiovascular Events Among Patients With Chronic Coronary Artery Disease or Peripheral Artery Disease Identified in a Large United States Healthcare Database

Ariel Berger, Tarun Bhagnani, Brian Murphy, Beth Nordstrom, Qi Zhao, Windsor Ting, Nicholas Leeper, Jeffrey Berger, Evidera, Waltham, MA, USA, Janssen Pharmaceutical Companies, Titusville, NJ, USA

481 - Characterizing the Microbiome in Patients With and Without Coronary Artery Disease



Robert Anton Ulrich Baumgartner, Adam Fitch, Barbara Methe, Kelvin Li, Brian Firek, Sandeep Patel, Alison Morris, Michael Morowitz, Catalin Toma, UPMC, Pittsburgh, PA, USA

482 - Cardiac Troponin I and Subclinical Cardiovascular Disease

Esther Joo, Sirous Darabian, Yasna Nozari, Rostam Vahoumeni, Nasim Sheidaee, Niquelle Brown Wade, Matthew Budoff, Los Angeles Biomedical Research Institute, Torrance, CA, USA

### Acute and Stable Ischemic Heart Disease - Scientific Session #623

#### Coronary Care Unit Clinical Conundrums: Alice in Wonderland

Saturday, March 10, 2018, 2:00 p.m. - 3:30 p.m.

Room 206 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Erin Ann Bohula

Co-Chair: Venu Menon

Panelist: Barbara McLean

Panelist: Sean Van Diepen

2:00 p.m.

Case Presenter

Cardiogenic Shock Refractory to Medical Therapy

Hena Patel

Chicago, IL

2:04 p.m.

Pinocchio: Medical Therapy and Temporary Mechanical Support Options

Sean Van Diepen

Edmonton, Canada

2:14 p.m.

Up: Management of Mechanical Support Devices in the CCU

Barbara McLean

Atlanta, GA

2:24 p.m.

Panel Discussion/ARS

2:33 p.m.

Case Presenter: Out-of-Hospital Cardiac Arrest in the CCU

Ajar Kochar

Durham, NC

2:37 p.m.

Frozen: Targeted Temperature Management-- When, Who and How

Syed Tanveer Rab

Duluth, GA

2:47 p.m.

Sleeping Beauty: Neuroprognostication After Cardiac Arrest

Joseph Parrillo

Hackensack, NJ

2:57 p.m.

Panel Discussion/ARS

3:06 p.m.

Case Presentation: Infective Endocarditis in the CCU

Aldo Schenone

Beachwood, OH

3:10 p.m.

A Bug's Life: Management of Acute Infective Endocarditis

Paul Cremer

Shaker Heights, OH

3:20 p.m.

Panel Discussion/ARS

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

#### Session #1181M

**Evolocumab: A Golden Knight For Atherosclerosis Regression?**

Saturday, March 10, 2018, 3:45 p.m. - 4:30 p.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Marc Steven Sabatine

ACC Poster Moderator: Barbara S. Wiggins

3:45 p.m.

Levels of Non-High-Density Lipoprotein Cholesterol Do Not Negatively Impact the Ability of the PCSK9 Inhibitor, Evolocumab, to Promote Regression of Coronary Atherosclerosis

Adam J. Nelson, Rishi Puri, Christie Ballantyne, Leslie Cho, Danielle Brennan, Helina Kassahun, Ransi Somaratne, Scott Wasserman, Steven Nissen, Stephen Nicholls, South Australian Health and Medical Research Institute, Adelaide, Australia, Cleveland Clinic, Cleveland, OH, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Elevated CRP Levels Do Not Adversely Modulate the Ability of Evolocumab to Regress Coronary Atherosclerosis: Insights From GLAGOV

Adam J. Nelson, Rishi Puri, Christie Ballantyne, Leslie Cho, Danielle Brennan, Helina Kassahun, Ransi Somaratne, Scott Wasserman, Steven Nissen, Stephen Nicholls, South Australian Health and Medical Research Institute, Adelaide, Australia, Cleveland Clinic, Cleveland, OH, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Greater Likelihood of Regression of Coronary Atherosclerosis With the PCSK9 Inhibitor, Evolocumab, in Patients With Higher Lp(a) Levels

Daniel Scherer, Rishi Puri, Christie Ballantyne, Leslie Cho, Danielle Brennan, Helina Kassahun, Ransi Somaratne, Scott Wasserman, Steven Nissen, Stephen Nicholls, Cleveland Clinic, Cleveland, OH, USA, South Australian Health and Medical Research Institute, Adelaide, Australia

4:25 p.m.

Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific Session #638

#### Logistical and Clinical Challenges in MI Systems of Care: Islands of Adventure

Saturday, March 10, 2018, 4:45 p.m. - 6:00 p.m.

Room 206 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Timothy D. Henry

Co-Chair: Dharam J. Kumbhani

Panelist: Daniel E. Forman

Panelist: Mauricio G. Cohen

Panelist: Denise K. Busman

4:45 p.m.

MI and Shock Presentation at a Primary PCI Center Without Surgical Backup

Elizabeth A. Hardin

Dallas, TX



4:50 p.m.  
Panel Discussion: Role of Shock Centers in MI Systems of Care

5:04 p.m.  
Management of Post-VF Arrest at a Non-Tertiary Care Center  
Janak Kansagra  
Detroit, MI

5:09 p.m.  
Panel Discussion: Role of Cardiac Arrest Centers in MI Systems of Care

5:23 p.m.  
STEMI Presentation at a Non-PCI Capable Facility  
Addi Suleiman  
Towaco, NJ

5:28 p.m.  
Panel Discussion: Optimal Transfer Strategies in MI Systems of Care

5:42 p.m.  
Very Elderly Patient Presenting With STEMI  
Neha Paul  
Valhalla, NY

5:47 p.m.  
Panel Discussion: How the Very Elderly and Frail Patients Are Best Managed by MI Systems of Care

**Acute and Stable Ischemic Heart Disease - Scientific Session #650**  
**Myocardial Ischemia and Non Obstructive Coronary Artery Disease (MINOCA)**

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

**Room 206 A**

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

Co-Chair: Margo B. Minnissian  
Co-Chair: Jacqueline E. Tamis-Holland  
Panelist: Puja K. Mehta  
Panelist: Harmony R. Reynolds

8:00 a.m.  
The Syndromes of MINOCA and TINOCA: One Diagnosis Does Not Fit All!  
John F. Beltrame  
Adelaide, Australia

8:15 a.m.  
Panel Discussion With ARS

8:27 a.m.  
Mechanisms of Infarction: Atherosclerotic vs Non-Atherosclerotic  
C. Noel Bairey Merz  
Los Angeles, CA

8:41 a.m.  
Panel Discussion With ARS

8:53 a.m.  
FIT Case Presentation Real World Dilemma's in MINOCA  
Christine Pacheco  
Los Angeles, CA

9:01 a.m.  
Real World Dilemmas: Diagnosis in a Smaller Hospital Setting.  
Jamieson M. Bourque  
Charlottesville, VA

9:11 a.m.  
FIT Case Presentation in Medical Management  
May Bakir  
New York, NY

9:19 a.m.  
Real World in Dilemmas in Medical Management  
Eileen M. Handberg  
Gainesville, FL

**Acute and Stable Ischemic Heart Disease - Scientific Session #651**  
**The Mad Hatter's Approach to Refractory Angina Management: Debates on Out-of-the Box Therapies**  
**Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.**  
**Room 205 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Marc E. Jolicoeur  
Co-Chair: Adam Skolnick

8:00 a.m.  
Introduction to Format by Co-Chairs

8:02 a.m.  
Audience ARS Question: Debate Pre- Poll #1  
Adam Skolnick

8:04 a.m.  
PRO: Coronary Sinus Occlusion Reduces Angina Frequency  
Marc E. Jolicoeur  
Montreal, Canada

8:13 a.m.  
CON: Coronary Sinus Occlusion Is Not Ready for Prime Time  
Alice K. Jacobs  
Boston, MA

8:22 a.m.  
Audience ARS Question: Debate #1 Post-Poll  
Adam Skolnick  
New York, NY

8:24 a.m.  
Audience ARS Question: Debate #2 Pre-Poll  
Adam Skolnick  
New York, NY

8:26 a.m.  
PRO: EECP Reduces Refractory Angina  
Rohit R. Arora  
North Chicago, IL

8:35 a.m.  
CON: EECP Does Not Significantly Reduce Angina  
Sripal Bangalore  
New York, NY

8:44 a.m.  
Audience ARS Question: Debate #2 Post-Poll  
Adam Skolnick  
New York, NY

8:46 a.m.  
Audience ARS Question: Debate #3 Pre-Poll  
Adam Skolnick  
New York, NY



8:48 a.m.

Pro: Transmyocardial Laser Myocardial Revascularization Reduces Angina  
Adam Skolnick  
New York, NY

8:57 a.m.

CON: Transmyocardial Laser Myocardial Revascularization Is Not Useful for Angina Reduction  
Frederick Feit  
New York, NY

9:06 a.m.

Audience ARS Question: Debate #3 Post-Poll  
Adam Skolnick  
New York, NY

Audience ARS Question: Debate #4 Pre-Poll

Adam Skolnick  
New York, NY

9:08 a.m.

Pro: Sham Control Trials Are Necessary to Assess the Effectiveness of PCI for Angina Relief  
William E. Boden  
Boston, MA

9:17 a.m.

Con: Sham Control Trials Are Necessary to Assess the Effectiveness of PCI for Angina Relief  
Sorin J. Brener  
Brooklyn, NY

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

#### Session #1213

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

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

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

435 - Coronary and Peripheral Vasomotor Responses to Mental Stress

Muhammad Hammadah, Ibharr Al Mheid, Jeong Hwan Kim, Kobina Wilmot, Frank Corrigan, Ayman Samman Tahhan, Wesley O'Neal, Heval Mohamed Kelli, Ronnie Ramadan, Mouwafak Mouwafak Moureiden, Pratik Sandesara, Girum Mekonnen, Ayman Alkhoder, Belal Kaseer, Fahad Choudhary, Mohamed Khayata, Yasir Bouchi, Amit Shah, Laura Ward, David Sheps, Habib Samady, Kreton Mavromatis, Viola Vaccarino, Arshed Quyyumi, Emory, Atlanta, GA, USA

437 - Subclinical Left Ventricular Dysfunction in Women With Angina in the Absence of Obstructive Coronary Artery Disease: A Comprehensive Invasive and Echocardiographic Study

Sara Bouajila, Vedant Pargaonkar, Yukari Kobayashi, Yuhei Kobayashi, Francois Haddad, Jennifer Tremmel, Division of Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA, USA

438 - Peripheral Endothelial Function Predicts 1-Year Adverse Clinical Outcome in Patients With Chest Pain Hospitalized in the Emergency Department

Michael Shechter, Shlomi Matetzky, Megha Prasad, Nira Koren-Morag, Amir Lerman, Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel, Mayo Clinic, Rochester, MN, USA

439 - The Course of Patients With Chest Pain and No Evidence of Heart Disease: A 20 Year Follow-Up Study

Abel E. Moreyra, Waseem Shami, Stavros Zinonos, Nora M. Cosgrove, Alex Gold, John B. Kostis, Javier Cabrera, Mihir Trivedi, William J. Kostis, for the MIDAS Study Group, Cardiovascular Institute, New Brunswick, NJ, USA, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

440 - Left Ventricular Wall Motion Findings in Myocardial Infarction With Nonobstructive Coronary Artery Disease (MINOCA)

Anais Hausvater, Nathaniel Smilowitz, Dalisa Espinosa, Ellen Hada, Harmony Reynolds, NYU School of Medicine, New York, NY, USA

441 - Myocardial Bridging Is Associated With Coronary Endothelial Dysfunction in Patients With Chest Pain and Non-Obstructive Coronary Artery Disease

Jaskanwal Sara, Michel Corban, Lilach Lerman, Amir Lerman, Mayo Clinic, Rochester, MN, USA

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

443 - Usefulness and Safety of Acetylcholine Provocation Test in Patients With No Culprit Lesions in Emergency Coronary Angiography

Kazuya Tateishi, Hideki Kitahara, Yuichi Saitoh, Tadayuki Kadhiria, Takashi Nakayama, Yoshihide Fujimoto, Yoshio Kobayashi, Chiba University Hospital, Chiba, Japan

444 - Coronary Flow Reserve in Patients With Prior Spontaneous Coronary Artery Dissection and Recurrent Angina

Tara Sedlak, Andrew Starovoytov, Karin Humphries, Jacqueline W. L. Saw, Vancouver General Hospital, Vancouver, Canada

445 - The Role of Beta Blocker Therapy For Ischemic Heart Disease

Prevention in Undiagnosed Obstructive Sleep Apnea and Hypertension Peter Farjo, Kinjan Patel, Rohan Shah, Varun Badami, Sean Regner, Robert Stansbury, Stanley Schmidt, West Virginia University, Morgantown, WV, USA

446 - Coronary Artery Disease and the Impact of Rheumatoid Arthritis on the Severity, Type of Presentation and Prevalence

Hassan Alkhawam, Elsayed Abo-Salem, Fadi Ghrair, Rahil Rafeedheen, Tarek Helmy, Saint Louis University School of Medicine, St. Louis, MO, USA, Icahn School of Medicine at Mount Sinai (Elmhurst), Elmhurst, NY, USA

447 - Predictors of In-Stent Yellow Plaques After 2<sup>nd</sup>-Generation Drug-Eluting Stent: The MICASA Study

Kazuoki Dai, Hiroshi Matsuoka, Hideo Kawakami, Tetsuya Sato, Kouki Watanabe, Yasuharu Nakama, Masaharu Ishihara, Hiroshima City Hiroshima Citizens Hospital, Hiroshima, Japan, Hyogo College of Cardiology, Nishinomiya, Japan

448 - Same Day Discharge Following Inpatient Percutaneous Coronary Intervention: A Population Based Analysis

Ahmed N. Mahmoud, Ahmad Masri, University of Florida, Gainesville, FL, USA, University of Pittsbrugh, Pittsbrugh, PA, USA

449 - Outcomes of Post-Operative Atrial Fibrillation After Coronary Artery Bypass Graft Surgery: A Meta-Analysis

Toufik Mahfood Haddad, Jai Parekh, Aravdeep Jhand, Amjad Kabach, Muhammad Soubhi Azzouz, Michael White, Venkata Alla, Michael Del Core, Creighton University School of Medicine, Omaha, NE, USA

450 - Impact of Chronic Hepatitis C on Patients With Myocardial Infarction Undergoing Percutaneous Coronary Intervention: A 5-Year Nationwide Analysis



Basera Sabharwal, Di Pan, Mario Rodriguez, Mariam Khandaker, Xin Wei, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA

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

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

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

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

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

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

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

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

459 - Internet Search Habits Reflect Prevalence of and Mortality From Heart Disease

Morgan Kellogg, Sampi Vasaiwala, Maine Medical Center, Portland, ME, USA

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

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

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

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

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

**Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1214**  
**Assessing Benefit With Novel and Established Medical Interventions**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

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

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

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



Kansas City, Kansas City, MO, USA, University of Kansas Medical Center, Kansas City, KS, USA

470 - Impact of the Presence of Cardiovascular Disease on CV Benefit of Antidiabetic Agents

Jassim M. S. Al Suwaidi, Rajvir Singh, Ralph DeFronzo, Mohammed Ali, Amin Jayyousi, Nidal Asaad, Muhammad Abdul-Ghani, Hamad Medical Corporation, Doha, Qatar, UTHSCSA, San Antonio, TX, USA

471 - The Safety and Tolerability of Multiple Dose Administration of CSL112, an Intravenous Formulation of Plasma-Derived ApoA-I, Among Subjects With Moderate Renal Impairment After Acute Myocardial Infarction

C. Michael Gibson, Megan Yee, Yazan Daaboul, Serge Korjian, Ali Poyan Mehr, Mathieu Kerneis, Pierluigi Tricoci, John Alexander, John Kastelein, Roxana Mehran, Christoph Bode, Basil Lewis, Ravindra Mehta, Danielle Duffy, John Feaster, Majdi Halabi, Dominick Angiolillo, Daniel Duerschmied, Ton Oude Ophius, Bela Merkely, Beth Israel Deaconess Medical Center, PERFUSE Study Group, Boston, MA, USA

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

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

474 - Long-Term Safety and Efficacy of Lomitapide in Patients With Homozygous Familial Hypercholesterolemia: Three-Year Data From the Lomitapide Observational Worldwide Evaluation Registry (LOWER)

James Underberg, Christopher Cannon, Dominique Larrey, Lukas Makris, Agnieszka Jurecka, Dirk Blom, Aegerion Pharmaceuticals, Cambridge, MA, USA

475 - Results From the Microvascular Assessment of Ranolazine in Non-Obstructive Atherosclerosis (MARINA): A Double-Blinded Randomized Controlled Trial

Arnav Kumar, Rani Rabah, Olivia Hung, Parham Eshtehardi, Hossein Hosseini, Nabil Sabbak, Zakaria Almuwaqqat, Chang Liu, Puja Mehta, Bill Gogas, Habib Samady, Section of Interventional Cardiology, Division of Cardiology, Emory University School of Medicine, Atlanta, GA, USA

476 - Efficacy and Safety of Pre-Procedural Prasugrel in Asians Undergoing Percutaneous Coronary Intervention For Acute Coronary Syndrome: A Report From a Japanese Multicenter Registry

Satoshi Shoji, Mitsuaki Sawano, Yasuyuki Shiraishi, Nobuhiro Ikemura, Ikuko Ueda, Yohei Numasawa, Shigetaka Noma, Masahiro Suzuki, Kentaro Hayashida, Shinsuke Yuasa, Keiichi Fukuda, Shun Kohsaka, Department of Cardiology, Keio University School of Medicine, Tokyo, Japan

477 - Oxygen Therapy For Acute Myocardial Infarction: An Updated Meta-Analysis

Abel Casso Dominguez, Yasmin Herrera, Georges El Hayek, Alejandro Lemor, Bing Yue, Pedro Moreno, Mount Sinai St. Luke's, New York, NY, USA

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

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

#### Lost in Translation? Part 1

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

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

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

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

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

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

481 - Sympathetic Renal Denervation After Acute Myocardial Infarction Blunts Adrenergic Activation and Increased Myocardial Salvage in Pigs

Luigi Emilio Pastormerlo, Vincenzo Castiglione, Burchielli Silvia, Chrisantos Grigoratos, Giovanni Donato Aquaro, Assuero Giorgetti, Paolo Marzullo, Eleonora Benelli, Fabio Bernini, Maria Franzini, Angela Pucci, Silvia Masotti, Veronica Musetti, Claudio Passino, Michele Emdin, Fondazione Toscana Gabriele Monasterio, Pisa, Italy, Scuola Superiore Sant'Anna, Pisa, Italy

482 - CLOCK Overexpression in Peripheral Blood Mononuclear Cells by Targeting PAI-1 in ST-Segment Elevation Myocardial Infarction

Qixia Jiang, Hua Liu, Shengyun Wang, Feng Wu, Chun Liang, Department of Cardiology, Shanghai Changzheng Hospital, Naval Medical University, Shanghai, People's Republic of China

### Acute and Stable Ischemic Heart Disease - Moderated Poster Contributions Session #1224M

#### Endothelial and Microcirculatory Function: New Advances

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: David L. Brown

ACC Poster Moderator: Alexandra J. Lansky

9:45 a.m.

Saline Induced Pd/Pa Ratio Can Predict Functional Significance of Coronary Stenosis Assessed by Fractional Flow Reserve

Satoshi Hashimoto, Yoshiharu Fujimori, Kyoei Yamazaki, Kazuto Kurihara, Kenichiro Ebisuda, Yuya Terasawa, Tomoko Baba, Tadamasa Wakabayashi, Taku Imai, Suwa Central Hospital, Chino, Japan

9:55 a.m.

Question and Answer

10:00 a.m.

Myocardial Infarction With Non-Obstructive Coronary Arteries (MINOCA) According to Definitions of 2016 ESC Position Paper: Clinical Profile and Prognosis



Barbara Izquierdo Coronel, Javier Lopez Pais, David Galan Gil, Maria Jesus Espinosa Pascual, Paula Awamleh, Carlos Gustavo Martínez Peredo, Alfonso Fraile Sanz, Javier Ceballo, Joaquin Alonso Martin, Hospital Universitario de Getafe, Madrid, Spain

10:10 a.m.

Question and Answer

10:15 a.m.

Glucagon-Like Peptide-1 (GLP-1) Has No Effect on Peripheral Vasodilatation But Augments Coronary Microcirculatory Flow in Humans

Stephen P. Hoole, Sophie Clarke, Joel Giblett, Muhammad Aetesam-ur-Rahman, Tian Zhao, Nick West, Joseph Cheriyan, Papworth Hospital, Cambridge, United Kingdom, Cambridge University Hospital, Cambridge, United Kingdom

10:25 a.m.

Question and Answer

### Acute and Stable Ischemic Heart Disease - Hands-on Skills Learning Session #1523

**Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform**

**Sunday, March 11, 2018, 10:45 a.m. - 11:45 a.m.**

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

**CME Hours: /CNE Hours:**

10:45 a.m.

Faculty: Clinical Judgement Challenge Station

Laura Davidson

Chicago, IL

### Acute and Stable Ischemic Heart Disease - Scientific Session #663

**Evaluation of Low Risk Chest Pain in the Emergency Department/Chest Pain Center**

**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**

**Room 206 A**

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

Co-Chair: James K. McCord

Co-Chair: Michael Ross

Panelist: Ezra A. Amsterdam

Panelist: Allan Jaffe

Panelist: Michael C. Kontos

Panelist: Simon A. Mahler

Panelist: Rita F. Redberg

10:45 a.m.

Evaluating Chest Pain Using High-Sensitivity Troponin in the ED: Shotgun or Scalpel?

Allan Jaffe

Rochester, MN

10:55 a.m.

Panel Discussion with Audience Question and Answer

11:00 a.m.

Check the Scoreboard! HEART, TIMI, EDACS, Sanchis and Other Chest Pain Scores

Simon A. Mahler

Winston Salem, NC

11:10 a.m.

Panel Discussion with Audience Question and Answer

11:15 a.m.

Treadmill ECG In Evaluation of Low Risk Chest Pain: Past Its Prime, or Primed for Tomorrow?

Ezra A. Amsterdam

Sacramento, CA

11:25 a.m.

Panel Discussion with Audience Question and Answer

11:30 a.m.

CT or Not CT: Imaging in Low-Risk Chest Pain Patients

Rita F. Redberg

San Francisco, CA

11:40 a.m.

Panel Discussion with Audience Question and Answer

11:45 a.m.

Reducing Variations in Management: System-Level Approaches, Quality Measurement, and Accreditation

Michael C. Kontos

Glen Allen, VA

11:55 a.m.

Panel Discussion with Audience Question and Answer

12:00 p.m.

Triage THIS! Rapid-Fire Low-Risk Chest Pain Case Presentations With Panel and Audience Discussion

Tiberio M. Frisoli

Detroit, MI

### Acute and Stable Ischemic Heart Disease - Scientific Session #664

**Controversies in ACS Guidelines**

**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**

**Room 205 A**

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

Co-Chair: Glenn N. Levine

Co-Chair: Stephan Windecker

Panelist: Kevin R. Bainey

Panelist: Deepak L. Bhatt

Panelist: Anthony Gershlick

Panelist: Pinak Bipin Shah

10:45 a.m.

Trans-Atlantic Differences in ACS Guidelines

Kevin R. Bainey

Edmonton, Canada

10:53 a.m.

Panel Discussion With Question and Answer

11:03 a.m.

Radial vs. Femoral Accesss for ACS Patients

Pinak Bipin Shah

Boston, MA

11:12 a.m.

Panel Discussion With Question and Answer

11:22 a.m.

Role of Cangrelor in ACS PCI

Deepak L. Bhatt

Newton, MA

11:30 a.m.



### Panel Discussion With Question and Answer

11:40 a.m.

Management of Non Culprit Artery in STEMI

Anthony Gershlick

Leicester, United Kingdom

11:48 a.m.

Panel Discussion With Question and Answer

11:58 a.m.

DAPT Duration for ACS Patients

Robert W. Yeh

Boston, MA

12:06 p.m.

Panel Discussion With Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific Session #679

#### The Athlete With Ischemic Heart Disease: What Do I Do Now?

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 206 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Michael Scott Emery

Co-Chair: Jonathan H. Kim

Panelist: Matthew W. Martinez

Panelist: Silvana Molossi

Panelist: Paul Thompson

Panelist: Meagan Murphy Wasfy

12:30 p.m.

Incidentally Discovered Anomalous Coronary Arteries in an Athlete

Allison R. Zielinski

Chicago, IL

12:35 p.m.

Panel Discussion with Audience Question and Answer

12:45 p.m.

Cardiac Arrest in a Young Female Athlete

Kelly Wingerter

Ringgold, GA

12:50 p.m.

Panel Discussion with Audience Question and Answer

1:00 p.m.

Endurance Athlete With Chest Pain and an Abnormal ECG

Tamanna Singh

Boston, MA

1:05 p.m.

Panel Discussion with Audience Question and Answer

1:15 p.m.

Cardiac Arrest in a Runner With a History of CABG

Jonathan H. Kim

Atlanta, GA

1:20 p.m.

Panel Discussion with Audience Question and Answer

1:30 p.m.

Patient Engagement and Shared Decision Making: What to Do When the Data Isn't Class IA

Aaron L. Baggish

Boston, MA

1:40 p.m.

Panel Discussion with Audience Question and Answer

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

#### Session #1233M

##### STEMI Care: Rigs, Risks and... Rigged?

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Sahil Khera

ACC Poster Moderator: Grant W. Reed

12:30 p.m.

Utilizations of Emergency Medical Services by Patients With ST-Segments Elevation Acute Myocardial Infarction in China: Findings From China

Myocardial Infarction (CAMI) Registry

Jingang Yang, Haiyan Xu, Wei Li, Xiaojin Gao, YueJin Yang, on behalf of China Acute Myocardial Infarction Registry, Fuwai Hospital, CAMS & PUMC, Beijing, People's Republic of China

12:40 p.m.

Question and Answer

12:45 p.m.

Temporal Outcomes in STEMI: Heart Failure and Mortality

Michael Raco, Kevin Bainey, Anamaria Savu, Cynthia Westerhout, Justin Ezekowitz, Robert Welsh, Finlay McAlister, Padma Kaul, University of Alberta, Edmonton, Canada

12:55 p.m.

Question and Answer

1:00 p.m.

A Clinically Useful Model to Predict 90-Day Readmission Risk After Hospitalization For Acute Myocardial Infarction

Vinay Kini, Pamela Peterson, John Spertus, Kevin Kennedy, Jason Wasfy, Suzanne Arnold, Steven Bradley, Michael Ho, Jeptha Curtis, Amit Amin, Frederick A. Masoudi, University of Colorado Anschutz Medical Campus, Aurora, CO, USA, St. Luke's Mid America Heart Institute, Kansas City, MO, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Contemporary Incidence of Recurrent Cardiovascular Events 1 to 3 Years After Myocardial Infarction: Longitudinal US Analysis From NCDR Registries Linked With All-Payer Claims Database

John Spertus, Durgesh Bhandary, Eileen Fonseca, Narinder Bhalla, Massimiliano Alfonzo Manzi, Greta Hoetzer, Amit Amin, Naeem Khan, AstraZeneca, Wilmington, DE, USA, Saint Luke's Mid America Heart Institute, Kansas City, MO, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Do-Not-Resuscitate Status and Risk-Standardized Mortality For Acute Myocardial Infarction: Implications For Public Reporting and Reimbursement



**Jeffrey Bruckel, Brahmajee Nallamothu, Frederick Ling, Erik Howell, Charles Lowenstein, Sabu Thomas, Steven Bradley, Anuj Mehta, Allan Walkey, University of Rochester Medical Center, Rochester, NY, USA**

1:40 p.m.  
Question and Answer

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

#### Session #1262

#### Special Populations: The Good, the Bad, the Old, the Young and the Sweet Ones (and Others Too!)

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

435 - Risk of Myocardial Infarction and Composite Vascular Events in Patients With Herpes Zoster: 2007-2014 United States Claims Data Analysis  
**Brandon Patterson, Debora A. Rausch, Debra E. Irwin, Michael Liang, Songkai Yan, Barbara Yawn, GSK, Philadelphia, PA, USA, Truven Health Analytics, an IBM Company, Durham, NC, USA**

436 - Prevalence of Substance Abuse Among Young Adults With Myocardial Infarction  
**Avinainder Singh, Bradley Collins, David Biery, Arman Qamar, Amber Fatima, Ankur Gupta, Ersilia Defilippis, Mattheus Ramsis, Daniel Pipilas, Khurram Nasir, Marcelo Di Carli, Deepak Bhatt, Ron Blankstein, Brigham and Women's Hospital, Boston, MA, USA**

437 - Long-Term Outcomes After Out-of-Hospital Cardiac Arrest in Young Patients With Myocardial Infarction  
**Ersilia M. Defilippis, Avinainder Singh, Bradley Collins, Ankur Gupta, Arman Qamar, Amber Fatima, Khurram Nasir, Marcelo Di Carli, Deepak Bhatt, Ron Blankstein, Brigham and Women's Hospital, Boston, MA, USA**

438 - Association of Chronic Kidney Disease With Use of Revascularization and In-Hospital Mortality in Patients With Cardiogenic Shock Complicating Acute Myocardial Infarction  
**Tanush Gupta, Dhaval Kolte, Sahil Khera, Kashish Goel, Pedro Villablanca, Wilbert Aronow, Anna Bortnick, Gregg C. Fonarow, Charanjit Rihal, Mark Menegus, Mario J. Garcia, Giora Weisz, Deepak Bhatt, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY, USA, Brigham and Women's Hospital, Boston, MA, USA**

439 - Characteristics of Cardiovascular Disease in Cancer Patients: A Case Control Study  
**Nachiket Madhav Apte, Magdy Hanna, Parinita Dherange, Desiree Dawson, Jessica Atkins, Prakash Peddi, Pratap Reddy, Jerry McLarty, Richard Mansour, Paari Dominic Swaminathan, LSU Health Sciences Center, Shreveport, LA, USA**

440 - Amphetamine Abuse and Acute Myocardial Infarction in the United States  
**Prashant Patel, Sopan Lahewala, Nirali Patel, Shilpkumar Arora, Byomesh Tripathi, Abhishek Deshmukh, Apurva Badheka, St. Bernardine Medical Center/UCR School of Medicine, San Bernardino, CA, USA**

441 - Risk of Myocardial Infarction in Patients With Inflammatory Bowel Disease  
**Muhammad S. Panhwar, Emad Mansoor, Sadeer Al-Kindi, Gregory Cooper, Mahazarin Ginwalla, Case Western Reserve University/University Hospitals of Cleveland, Cleveland, OH, USA**

442 - Electrocardiographic Changes After Radiotherapy For Breast Cancer Is a Predictor of Late Cardiovascular Outcome: A Follow-Up of 10 Years  
**Lafayete W. F. Ramos, Marcos V. F. Ramos, Bárbara Cristina, Cristiano Souza, Eliane Elly, Brazilian Institute for Cancer Control, São Paulo, Brazil**

443 - High-Sensitivity Troponin Assays Exhibit Prohibitively High False Positive Rates For Myocardial Infarction in the Elderly: Findings From the AGES Reykjavik Study

**Tushar Acharya, Eric Leifer, Thor Aspelund, Gudny Eiriksdottir, Tamara Harris, Lenore Launer, Vilmundur Gudnason, Andrew Arai, National Institutes of Health, Bethesda, MD, USA, Icelandic Heart Association, Kópavogur, Iceland**

444 - Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography  
**Michael Shao, Jonathon Leipsic, Ung Kim, Stephanie L. Sellers, Philipp Blanke, Jeroen J. Bax, Daniel Berman, Leslee Shaw, Renu Virmani, Jagat Narula, James K. Min, Hyuk-Jae Chang, St. Paul's Hospital, Vancouver, Canada**

445 - 3.2% of Young Subjects Under 45 Years With Acute Myocardial Infarction Have Genetically Verified Familial Hypercholesterolemia  
**Kirsten Holven, Linn K. L. Øyri, Sigrun Halvorsen, Dan Atar, Trond Leren, Martin Bogsrud, University of Oslo, Oslo, Norway, Oslo University Hospital, Oslo, Norway**

446 - The Clinical Significance of Type 2 Myocardial Infarction on Outcome and Major Adverse Cardiovascular Events in Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic State Patients  
**Abdulwahab Hritani, Gregory Schleis, Tara Zehrer, Indrajit Choudhuri, Khawaja Afzal Ammar, Rama Hritani, Susan Olet, M. Fuad Jan, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA**

447 - Impact of Bipolar Disorder on Readmission Rates and Costs After Coronary Artery Bypass Grafting  
**Yas Sanaiha, Yen-Yi Juo, Young-Ji Seo, Peyman Benharash, Ramin Ebrahimi, University of California, Los Angeles, Los Angeles, CA, USA**

448 - Impact of Mental Illnesses on Readmission, Re-Intervention Rates, and Costs After Percutaneous Coronary Intervention  
**Yas Sanaiha, Ryan Ou, Yen-Yi Juo, Peyman Benharash, Ramin Ebrahimi, University of California, Los Angeles, Los Angeles, CA, USA**

449 - Analysis of Outcomes in Acute Myocardial Infarction in Setting of Cocaine Abuse  
**Abhishek Mishra, Sopan Lahewala, Prashant Patel, Nirali Patel, Shilpkumar Arora, Byomesh Tripathi, Abhishek Deshmukh, Apurva Badheka, Edo Kaluski, Guthrie Robert Packer Hospital, Sayre, PA, USA**

450 - Trends of Acute Myocardial Infarction in Patients With Cocaine and Amphetamine Abuse  
**Nirali Patel, Sopan Lahewala, Prashant Patel, Shilpkumar Arora, Byomesh Tripathi, Abhishek Deshmukh, Apurva Badheka, RWJ Barnabas Health/Jersey City Medical Center, Jersey City, NJ, USA**

451 - Impact of Acute Kidney Injury on Short- and Long-Term Mortality in ST-Segment Elevation Myocardial Infarction and Non-ST-Segment Elevation Myocardial Infarction Patients: The J-MINUET Substudy  
**Shotaro Kuiji, Masami Kosuge, Kazuo Kimura, Koichi Nakao, Yukio Ozaki, Junya Ako, Teruo Noguchi, Satoshi Yasuda, Satoru Suwa, Kazuteru Fujimoto, Yasuharu Nakama, Takashi Morita, Wataru Shimizu, Yoshihiko Saito, Atsushi Hirohata, Yasuhiro Morita, Teruo Inoue, Atsunori Okamura, Toshiaki Mano, Kazuhito Hirata, Kunihiro Nishimura, Yoshihiro Miyamoto, Hisao Ogawa, Masaharu Ishihara, on behalf of J-MINUET Investigators, Yokohama City University Medical Center, Yokohama, Japan**

452 - Diabetic Patients With Acute Myocardial Infarction Had Delayed Hospital Admission Than Non-Diabetic Patients  
**Katsuomi Iwakura, Atsunori Okamura, Yasushi Koyama, Koichi Inoue, Mutsumi Iwamoto, Hiroyuki Nagai, Yuko Hirao, Koji Tanaka, Takafumi Oka, Yuichi Ninomiya, Nobuaki Tanaka, Tomohiro Yamasaki, Masato Okada,**



Akinori Sumiyoshi, Ryo Nakamaru, Takamasa Tanaka, Hiroyuki Inoue, Kohtaro Takayasu, Kota Tanaka, Ryo Kitagaki, Kenshi Fujii, Sakurabashi Watanabe Hospital, Osaka, Japan

453 - Post Myocardial Infarction Heart Failure in Patients Above 80 Years of Age: Clinical Implications and Benefit in Heart Failure Treatment

Anwar J. Siddiqui, Peter Reinius, Martin J. Holzmann, Karolinska University Hospital, Huddinge, Stockholm, Sweden

454 - The Influence of Multimorbidity in Older Adults With Diabetes and Stable Ischemic Heart Disease

Abdulla Damluji, Ashok Krishnaswami, Daniel Nelson, Mauro Moscucci, Daniel Forman, Sinai Hospital, LifeBridge Health Cardiovascular Institute, Baltimore, MD, USA, Division of Cardiology, Johns Hopkins University, Baltimore, MD, USA

455 - Coronary Artery Bypass Grafting in Octogenarians: Morbidity and Mortality

Thaer Musa, Gbola Ogunbajo, Naoki Misumida, Ahmed Abdel-Latif, Adrian Messerli, University of Kentucky, Lexington, KY, USA

456 - Impact of Pre-Hospital Resuscitation on Short- and Long-Term Mortality in Patients With Cardiogenic Shock Undergoing Revascularization: Results of the IABP-SHOCK Study

Uwe Zeymer, Steffen Schneider, Ralf Zahn, Karl Werdan, Suzanne de Waha, Steffen Desch, Georg Fuernau, Holger Thiele, Klinikum Ludwigshafen, Ludwigshafen, Germany, Institut für Herzinfarktforschung, Ludwigshafen, Germany

457 - The Assessment of SOFA Score Predicts Mortality and Neurogenic Outcome in Post-Cardiac Arrest Syndrome Patients

Junji Mastuda, Japan Red Cross Saitama Hospital, Saitama, Japan

458 - ST Elevation Myocardial Infarction in Elderly and Very Elderly Patients

Roberta Montisci, Cristina Cacace, Michela Congia, Maria Francesca Marchetti, Scotto Roberta, Piero Caddeo, Luigi Meloni, Clinical Cardiology University of Cagliari, Cagliari, Italy

459 - Prior Bariatric Surgery Correlates With Improved In-Hospital Mortality and Decreased Hospitalization Cost and Length of Stay Compared to Morbidly Obese Patients With Acute Myocardium Infarction: A Nationwide Analysis From 2006 to 2014

Xin Wei, Hedong Han, Kevin Gu, Chayakrit Krittawong, Bing Yue, Basera Sabharwal, Ahmadreza Moradi, Mario Rodriguez, Karan Sud, Mariam Khandaker, Shuyang Fang, Eyal Herzog, Mount Sinai St. Luke's West, New York, NY, USA

460 - Gender Specific Factors Associated With Major Adverse Cardiovascular Events: Insights From ACCELERATE

Peta King, Paul Cremer, Stephen Nicholls, A. Lincoff, Venu Menon, Jeffrey Riesmeyer, Giacomo Ruotolo, Julie St John, Ellen McErlean, Steven Nissen, South Australian Health and Medical Research Institute, Adelaide, Australia

461 - South Asian Ethnicity Associated With Narrow Coronary Arteries: A Meta-Analysis

Dev Basu, Hari Pokharel, Anubhooti Tiwari, Medstar Good Samaritan Hospital, Baltimore, MD, USA

462 - Cost-Effectiveness of Ranolazine Added to Standard of Care Treatment in Patients With Chronic Angina and Type 2 Diabetes

Craig I. Coleman, Erin R. Weeda, Elaine Nguyen, Christine Kohn, University of Connecticut, Storrs, CT, USA

463 - National Trends in Outcomes of Non-ST-Elevation Acute Coronary Syndromes in Adults With End-Stage Renal Disease, 2005-2014

Bing Yue, Chayakrit Krittawong, Abel Casso Dominguez, Xin Wei, Mariam Khandaker, Ashish Correa, Shuyang Fang, Eyal Herzog, Mount Sinai St. Luke's Hospital, New York, NY, USA, Mount Sinai West Hospital, New York, NY, USA

464 - Sex Differences in Revascularization and Outcomes of ST-Segment Elevation Myocardial Infarction in Adults Aged 60 Years or Over in the United States

Bing Yue, Chayakrit Krittawong, Xin Wei, Mariam Khandaker, Shuyang Fang, Matthew Tomey, Mount Sinai St. Luke's Hospital, New York, NY, USA, Mount Sinai West Hospital, New York, NY, USA

465 - Elderly Patients Presenting With STEMI Appear to Present Later Despite Targeted Protocols For Expediting Care

Subir Bhatia, Nandan Sadanand Anavekar, Mohammed Al-Hijji, Jason Sims, Gregory Barsness, Mandeep Singh, Joseph Murphy, Joerg Herrmann, Jacob Colin Jentzer, Malcolm Bell, Scott Wright, Mayo Clinic, Rochester, MN, USA

466 - Audit Referral System For Secondary Prevention of Ischemic Heart Disease: Shizuoka Ischemic Heart Registry

Shigetaka Kageyama, Shizuoka City Shizuoka Hospital, Shizuoka, Japan

**Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1263**

**Procedural Outcomes in Specific Patient Subsets**

**Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

467 - Long-Term Survival Between Off Versus on Pump Coronary Artery Bypass Grafting: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

Udit Thakur, Rahul Muthalaly, Nathan C. Wong, Francis J. Ha, James Cameron, Adam Brown, Julian Smith, Nitesh Nerlekar, Monash Cardiovascular Research Centre, Clayton, Australia

468 - Impact of Major Price Reduction by Government of India For Drug Eluting Stents on Stent Type Implantation and Associated Outcomes

Parloop Bhatt, Parth Parikh, Anish Chandarana, Milan Chag, Vipul Kapoor, Aditi Nanavati, Tejas Patel, Satya Gupta, Hemang Baxi, Urmil Shah, Vineet Sankhla, Neil Jain, Keyur Parikh, CIMS Hospital, Ahmedabad, India, L. M. College of Pharmacy, Ahmedabad, India

469 - Impact of the Age of Frailty on Outcomes After Percutaneous Coronary Intervention in Acute Coronary Syndromes

Beatrice Ricci, Edina Cenko, Zorana Vasiljevic, Goran Stankovic, Sasko Kedev, Marija Vavlukis, Oliver Kalpak, Davor Milicic, Olivia Manfrini, Lina Badimon, Raffaele Bugiardini, University of Bologna, Bologna, Italy

470 - Women With HIV Are Less Likely to Receive Percutaneous Coronary Intervention: A Nationwide Analysis

Farid Gholitabar, Shawn Lee, May Bakir, Syed Ahsan, Seyed Hamed Hosseini Dehkordi, Alejandro Lemor, Eyal Herzog, Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA

471 - Impact of Bleeding on the Risk of Acute Kidney Injury in Patients Undergoing Off-Pump Coronary Artery Bypass Grafting

Wei Liu, Beijing Anzhen Hospital, Beijing, People's Republic of China

472 - Long-Term Follow Up After Coronary Artery Bypass Graft Operation With Refractory Cardiogenic Shock and Extracorporeal Membrane Oxygenation Therapy

Sven Lehmann, Isabell Altmann, Alexandre Hoyer Sepulveda, Khalil Jawad, Piroze Davierwala, Thomas Schroeder, Jens Garbade, Michael Borger, Heart Center Leipzig, Leipzig, Germany



473 - First-in-Man Correlation Between Preoperative Coronary Physiology and the Acute Perfusion Response to Coronary Artery Bypass Grafting: The PERSEUS Pilot Study

Ashesh N. Buch, Hazaim Alwair, Jimmy Efird, Christopher Cook, Ricardo Petracio Da Cunha, Arjun Chagarlamudi, Christopher Gregory, Justin Davies, T. Ferguson, East Carolina Heart Institute at East Carolina University, Greenville, NC, USA, Imperial College, London, United Kingdom

474 - Efficacy of Extracorporeal Shockwave Myocardial Revascularization Therapy in Patients With Stable Angina Pectoris: Multicentre Randomized Double Blind Placebo Controlled Study

Evgeny Shkolnik, Greta Burneikaite, Jelena Celutkiene, Mikhail Scherbak, Gitana Zuoziene, Birute Petrauskienė, Irena Butkuvienė, Ekaterina Trush, Aleksandras Laucevicius, Yury Vasyuk, Yale New Haven Health Bridgeport Hospital, Bridgeport, CT, USA, Vilnius University Hospital, Vilnius, Lithuania

475 - No Reduction in Bleeding Associated With Bivalirudin Use When Compared to Unfractionated Heparin Among Patients With Stable Ischemic Heart Disease Undergoing Percutaneous Coronary Intervention

Morgan Kellogg, Yi-Ling Huang, Todd A. MacKenzie, Bina Ahmed, Matthew Watkins, Patrick Magnus, Jim Flynn, Peter N. Ver Lee, David Malenka, Samip C. Vasaiwala, The Northern New England Cardiovascular Disease Study Group, Maine Medical Center, Portland, ME, USA, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

476 - Early Combination Therapy With Simvastatin and Fenofibrate in Patients With Recent Acute Coronary Syndrome and Diabetes Is Safe and Reliably Reduces Lipoprotein (a) Level Along With Other Lipid Indexes

Olena Koval, Tetiana Pugach, Sergiy Romanenko, Pavlo Kaplan, Anastasiya Skoromna, Dnipro Petrovsk State Medical Academy, Dnipro, Ukraine

477 - Utilization of Mechanical Circulatory Support Devices in Chordae Tendinae and Papillary Muscle Rupture Complicating ST-Elevation Myocardial Infarction: Insights From Nationwide Inpatient Sample

Mohit Pahuja, Manmohan Singh, Achint Patel, Kinsuk Chauhan, Tushar Mishra, Tomo Ando, Emmanuel Akintoye, Neha Debnath, Hossam Elhadi, Ahmad Yassin, Ahmad Subahi, Luis Afonso, Wayne State University, Detroit, MI, USA

478 - Rescue Percutaneous Intervention in ST Elevation Myocardial Infarction-Impact of Regional Transfer Delays in the Midland Region: Time Does Matter

Amit Michael, Karl Coley, Madhav Menon, Gerard Devlin, Chris Nunn, Waikato Hospital, Hamilton, New Zealand

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

Session #1264

Lost in Translation? Part 2

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

479 - Prevalence of Syndrome Z in Patients of Acute Coronary Syndrome and Its Correlation With Angiographic Severity of Coronary Artery Disease

Puneet Gupta, Rishi Sethi, Janakpuri Superspeciality Hospital, New Delhi, India, KGMC, Lucknow, India

480 - Association of GDF11 and Telomere Length With Incident Coronary Outcomes

Oxana Galenko, Richard Cawthon, Stacey Knight, J. Muhlestein, Jeffrey Anderson, John Carlquist, Intermountain Medical Center, Salt Lake City, UT, USA

481 - Visualisation of Human Thrombus Formation in a Translational Model of Deep Coronary Arterial Injury

Jack Andrews, Simon Wilson, Tashfeen Walton, Christophe Lucatelli, Christophe Portal, Ian Wilson, Adriana Tavares, Marc Dweck, David Newby, University of Edinburgh, Edinburgh, United Kingdom, Edinburgh Molecular Imaging, Edinburgh, United Kingdom

482 - Suppressing Immune-Sympathetic Neural Interactions Reduced Cardiac Autonomic Remodeling in a Post-Infarction Canine Model

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

### Acute and Stable Ischemic Heart Disease - International Session #519

#### 17th Annual Maseri-Florio International Keynote

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 304 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Mary N. Walsh

Co-Chair: Paul J. Mather

2:00 p.m.

Introduction to Session

Mary N. Walsh

Indianapolis, IN

2:05 p.m.

The 17th Annual Maseri-Florio International Keynote: From Regulation to Inflammation: The Evolving Understanding of Coronary Artery Disease

Alfred A. Bove

Philadelphia, PA

2:55 p.m.

Interview with Alfred Bove, MD, PHD, MACC and Audience Question and Answer

Mary N. Walsh

Indianapolis, IN

2:55 p.m.

Interview with Alfred Bove, MD, PHD, MACC and Audience Question and Answer

Paul J. Mather

Philadelphia, PA

3:25 p.m.

Presentation of Plaque

### Acute and Stable Ischemic Heart Disease - International Session #520

Management of Non-culprit Lesions in STEMI Patients With Multivessel Coronary Artery Disease: Is it Really a Small World After All?: International Perspectives From the Brazilian Society of Cardiology, Israel Heart Society, and American College of Cardiology

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 304 E

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Robert A. Shor

Co-Chair: Ran Kornowski

Co-Chair: Oscar Pereira Dutra

2:00 p.m.

Case Study 1: STEMI With Multivessel Coronary Artery Disease, but not in Cardiogenic Shock: How Should we Treat the Patient?

Ronen Jaffe

Haifa, Israel

2:06 p.m.



How Would Brazil Manage the Non-culprit Lesion in STEMI With Multivessel Coronary Artery Disease Based on EBM and According to the Local Practice?  
Rogerio E. G. Sarmento Leite

Porto Alegre, Brazil

2:18 p.m.

Conclusion: STEMI With Multivessel Coronary Artery Disease, but not in Cardiogenic Shock: How did we Treat the Patient?

Ronen Jaffe  
Haifa, Israel

2:24 p.m.

Moderated Panel Discussion - How to Best Treat the Non-culprit Lesions During a STEMI Without Cardiogenic Shock?

2:36 p.m.

Case Study 2: STEMI With Multivessel CAD in Cardiogenic Shock: How Should we Treat the Patient?

Ludhmila Abrahao Hajjar  
São Paulo, Brazil

2:42 p.m.

How Would Israel Manage STEMI With Multivessel CAD in Cardiogenic Shock Based on EBM and According to the Local Practice?

Israel Barash  
Ramat Gan, Israel

2:54 p.m.

Conclusion: STEMI With Multivessel CAD in Cardiogenic Shock: How Did we Treat the Patient?

Ludhmila Abrahao Hajjar  
São Paulo, Brazil

3:00 p.m.

Moderated Panel Discussion - How to Best Treat STEMI Patients With Multivessel CAD in Cardiogenic Shock?

3:12 p.m.

How to Manage STEMI Patients With Multivessel Coronary Artery Disease Based on Guidelines and Contemporary: Current Perspectives and Future Directions

Jay S. Giri  
Philadelphia, PA

3:24 p.m.

Conclusion and Take Home Message  
Ran Kornowski

Petach-Tikva, Israel

3:26 p.m.

Conclusion and Take Home Message  
Oscar Pereira Dutra  
Porto Alegre, Brazil

3:28 p.m.

Conclusion and Take Home Message  
Robert A. Shor  
Reston, VA

Acute and Stable Ischemic Heart Disease - Scientific Session #692

The Science and Magic of Decision Making: The Hogwart's Approach to Ischemic Heart Disease

Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.

Room 206 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Benjamin M. Scirica

Co-Chair: Harvey D. White

Panelist: John A. Bittl

Panelist: Hani Jneid

Panelist: Freek W. A. A. Verheugt

Panelist: Faisal Bakaeeen

2:00 p.m.

Harry Potter's Case Presentation: A Patient With History of Atrial Fibrillation Who Presents With Acute Myocardial Infarction Requiring PCI

Rasha Al-Bawardi

Boston, MA

2:04 p.m.

Hermoine Granger's Scientific Review: Direct Oral Anticoagulants (DOACs) and Anti Platelet Therapy Post-PCI

Matthew William Sherwood

Arlington, VA

2:13 p.m.

Albus Dumbledore's Magical Decision-Making: Single, Dual or Triple Therapy-What Is Best?

Freek W. A. A. Verheugt

Amsterdam, Netherlands

2:20 p.m.

Wizards (Panel) Discussion With Muggles (Audience) Question and Answer on "Single, Dual, or Triple Therapy-What is Best?"

2:30 p.m.

Harry Potter's Case Presentation: A TAVR Candidate With Multivessel Coronary Artery Disease  
Kiruthika Balasundaram

New York, NY

2:34 p.m.

Hermoine Granger's Scientific Review: What is the Evidence for Pre-TAVR Coronary Revascularization?

Matthew Aaron Cavender

Chapel Hill, NC

2:43 p.m.

Albus Dumbledore's Magical Decision-Making: to Stent or Not to Stent Before TAVR?

Hani Jneid

Houston, TX

2:50 p.m.

Wizards (Panel) Discussion With Muggles (Audience) Question and Answer on "To Stent or not to Stent Before TAVR?"

3:00 p.m.

Harry Potter's Case Presentation: STEMI With Multivessel Coronary Artery Disease  
Arpit Shah

New York, NY

3:04 p.m.



Hermoine Granger's Scientific Review: What Is the Evidence for Non-Culprit Revascularization in STEMI?  
Jacqueline E. Tamis-Holland  
New York, NY

3:13 p.m.  
Albus Dumbledore's Magical Decision-Making: When to Perform Non-Culprit PCI in Patients Presenting With STEMI?  
John A. Bittl  
Ocala, FL

3:20 p.m.  
Wizards (Panel) Discussion With Muggles (Audience) Question and Answer on "When to Perform Non-Culprit PCI in Patients Presenting With STEMI?"

**Acute and Stable Ischemic Heart Disease - Moderated Poster Contributions**  
**Session #1273M**  
**Surgical Revascularization Outcomes: Has the Clock Struck Midnight?**  
**Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.**  
**Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Andrea Carpenter  
ACC Poster Moderator: Jessica Rove

3:45 p.m.  
Obesity Is Not Associated With a Differential Outcome Following Coronary Artery Bypass Surgery  
Lohit Garg, Sahil Agrawal, Amitoj Singh, Raman Dusaj, Jamshid Shirani, Lehigh Valley Health Network, Allentown, PA, USA

3:55 p.m.  
Question and Answer

4:00 p.m.  
In Diabetic Patients Multiple Arterial Grafts Improve Long-Term Survival Compared With Conventional Coronary Artery Bypass Surgery or Stents  
Chaim Locker, Hartzell Schaff, Brian Lahr, Robert Frye, Richard Daly, Sameh M. Said, John Stulak, Amir Lerman, Joseph Dearani, Malcolm Bell, Mayo Clinic, Rochester, MN, USA

4:10 p.m.  
Question and Answer

4:15 p.m.  
Contemporary National Trends and Outcomes of Elderly Patients Undergoing Coronary Artery Bypass Grafting: Insights From the National Inpatient Sample  
Chad J. Zack, Sunil V. Rao, Manesh Patel, William Jones, Duke University Medical Center, Durham, NC, USA

4:25 p.m.  
Question and Answer

**Acute and Stable Ischemic Heart Disease - Scientific Session #707**  
**Beauty Versus the Beast: Implications of Gender in Cardiovascular Disease**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 207 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: C. Noel Bairey Merz  
Co-Chair: Doreen Defaria Yeh

4:45 p.m.

Pregnancy: The First Physiological Stress Test  
Janet Rich-Edwards

4:53 p.m.  
Question and Answer

4:57 p.m.  
Preeclampsia and Pregnancy Complications  
Afshan Hameed  
Orange, CA

5:05 p.m.  
Question and Answer

5:09 p.m.  
How to Start a Women's Heart Program  
C. Noel Bairey Merz  
Los Angeles, CA

5:17 p.m.  
Question and Answer

5:21 p.m.  
ACC Talk: Overview on Gender Based Medicine in Cardiology: State of Science.  
Nanette Kass Wenger  
Atlanta, GA

5:29 p.m.  
Question and Answer

5:33 p.m.  
It's a Small World After All: Implementing Gender Specific Risk Factors Into Clinical Practice  
Kathryn Lindley  
Saint Louis, MO

5:41 p.m.  
Question and Answer

5:45 p.m.  
FIT Case Presentation: Gender Based Recommendations for Implementation into Clinical Practice  
Erika Jones  
Los Angeles, CA

5:53 p.m.  
Question and Answer

**Acute and Stable Ischemic Heart Disease - Scientific Session #708**  
**Adoption of High Sensitivity Troponin Assays in the United States**  
**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**  
**Room 206 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Fred S. Apple  
Co-Chair: L. Kristin Newby

4:45 p.m.  
Development and Performance Characteristics of High Sensitivity Troponin: The Road Travelled  
James L. Januzzi  
Wellesley, MA

4:57 p.m.  
Question and Answer



5:02 p.m.	Amir Lerman Rochester, MN
Established Benefit of Utilizing High Sensitivity Troponin to Evaluate Chest Pain: The European Experience Christian Mueller Basel, Switzerland	
5:14 p.m.	8:56 a.m.
Question and Answer	Panel Discussion With ARS
5:19 p.m.	9:03 a.m.
Practical Guide to Utilizing High Sensitivity Troponin in the ED: The Algorithm I Will Utilize. Allan Jaffe Rochester, MN	FIT Case Presentation: Differentiating Microvascular Dysfunction From Other Differential Diagnosis Odayme Quesada Los Angeles, CA
5:31 p.m.	9:12 a.m.
Question and Answer	Therapeutic Targets for Endothelial and Microvascular Dysfunction: Old School and New Kids on the Block Rhonda M. Cooper-DeHoff Gainesville, FL
5:36 p.m.	9:24 a.m.
Expanding Role of High Sensitivity Troponin in Clinical Practice James A. de Lemos Dallas, TX	Panel Discussion With ARS
5:47 p.m.	
Question and Answer	<b>Acute and Stable Ischemic Heart Disease - Oral Contributions</b> <b>Session #907</b> <b>Highlighted Original Research: Acute and Stable Ischemic Heart Disease and the Year in Review</b> <b>Monday, March 12, 2018, 8:00 a.m. - 9:30 a.m.</b> <b>Room 205 A</b> <b>CME Hours: 1.5 /CNE Hours: 1.5</b>
<b>Acute and Stable Ischemic Heart Disease - Scientific Session #720</b> <b>The Coronary Microcirculation: Where Interventionalists and Physiologists Meet</b> <b>Monday, March 12, 2018, 8:00 a.m. - 9:30 a.m.</b> <b>Room 206 A</b> <b>CME Hours: 1.5 /CNE Hours: 1.5</b>	Co-Chair: Akshay K. Khandelwal Co-Chair: Jacqueline E. Tamis-Holland
Co-Chair: Margo B. Minissian Co-Chair: Carl J. Pepine	8:00 a.m.
Panelist: David L. Brown	Year in Review Speaker Valentin Fuster New York, NY
Panelist: Rhonda M. Cooper-DeHoff	8:12 a.m.
Panelist: William Fuller Fearon	Long-Term Mortality and Estimated Functional Capacity Among Women With Symptoms of Ischemic Heart Disease: From the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation <u>Islam Elgendi</u> , Li Qian, Yi Guo, Eileen Handberg, C. Noel Bairey Merz, Carl Pepine, University of Florida, Gainesville, FL, USA
Panelist: Amir Lerman	8:22 a.m.
8:00 a.m.	Discussion
Endothelial Dysfunction and Global/Regional Microvascular Dysfunction: Prevalence and Physiology David L. Brown Creve Coeur, MO	8:25 a.m.
8:12 a.m.	Residual Inflammatory and Cholesterol Risk in the FOURIER Trial
Panel Discussion With ARS	<u>Erin Ann Bohula</u> , Robert Giugliano, Lawrence Leiter, Subodh Verma, Jeong-Gun Park, Peter Sever, Armando Lira Pineda, Narimon Honarpour, Huei Wang, Sabina Murphy, Anthony Keech, Terje Pedersen, Marc Sabatine, TIMI Study Group/Brigham & Women's, Boston, MA, USA
8:19 a.m.	8:35 a.m.
Diagnosing and Differentiating Endothelial and Microvascular Dysfunction in the Cath Lab William Fuller Fearon Stanford, CA	Discussion
8:31 a.m.	8:38 a.m.
Panel Discussion With ARS	Incidence and Etiology of Premature Ticagrelor Discontinuation Across Four Major Clinical Trials: A Meta-Analysis <u>Kamal Shemisa</u> , Ambarish Pandey, Helen Mayo, Dharam Kumbhani, Sandeep Das, UTSW, Dallas, TX, USA, Trihealth, Cincinnati, OH, USA
8:38 a.m.	8:48 a.m.
FIT Case Presentation: Diagnosis of Microvascular Dysfunction in the Cath Lab Islam Elgendi Gainesville, FL	Discussion
8:46 a.m.	8:51 a.m.
The Intersection of Microvascular Disease and Other Cardiac Disease	



Association of Pre-Activation of the Cardiac Catheterization Laboratory on Reperfusion Timing Metrics For Patients With ST-Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: A Report From Action Registry\*

Jay Shavadia, Anita Y. Chen, Joseph Lucas, Alexander Fanaroff, Ajar Kochar, Christopher Fordyce, James Jollis, Jacqueline E. Tamis-Holland, Timothy Henry, Akshay Bagai, Tracy Wang, Michael C. Kontos, Christopher Granger, Matthew Roe, Duke Clinical Research Institute, Durham, NC, USA

9:01 a.m.  
Discussion

9:04 a.m.  
Acute Myocardial Infarction During Pregnancy and the Puerperium in the United States  
Nathaniel Rosso Smilowitz, Navdeep Gupta, Yu Guo, Catherine Weinberg, Harmony Reynolds, Sripal Bangalore, NYU School of Medicine, New York, NY, USA

9:14 a.m.  
Discussion

9:17 a.m.  
Outcomes of Percutaneous Coronary Intervention in Patients With Non-Atherosclerotic Spontaneous Coronary Artery Dissection  
Jacqueline W. L. Saw, Saber Hassan, Andrew Starovoytov, Carolyn Lee, Vancouver General Hospital, Vancouver, Canada

9:27 a.m.  
Discussion

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1305

#### Diagnosing Disease and Predicting Future Events: Here Is Your Crystal Ball!

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

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

435 - Machine Learning For Improved Detection of Myocardial Infarction in Patients Presenting With Chest Pain in the Emergency Department  
Daniel Lindholm, Martin Holzmann, Uppsala University and Uppsala Clinical Research Center, Uppsala, Sweden, Karolinska University Hospital, Huddinge and Karolinska Institutet, Solna, Sweden

436 - Performance of High-Sensitivity Troponins in the Exclusion of Acute Coronary Syndrome in Patients With Chest Pain in the Emergency Department

Hong Jie Gabriel Tan, Swee Han Lim, Terrance Chua, Aaron Wong, Anders Olof Sahlen, Su-Mei Angela Koh, Khung Keong Yeo, Natalie Koh, Weiting Huang, Calvin Chin, Fei Gao, Faraz Zarif, Eng Hock Marcus Ong, Sohil Equbal Pothiawala, Yuzeng Shen, Jing Jing Chan, Paul Weng Wan, Chin Pin Yeo, Wai Yoong Ng, Jack Wei Chieh Tan, National Heart Centre Singapore, Singapore, Singapore, Singapore General Hospital, Singapore, Singapore

437 - Determining Optimal Troponin I Thresholds to Diagnose Acute Myocardial Infarction  
Jeffrey B. Michel, Joon Jin Song, Scott and White Heart and Vascular Institute, Temple, TX, USA, Baylor University, Waco, TX, USA

438 - External Validity of Coronary Artery Disease Consortium Models For Predicting Obstructive Coronary Artery Disease & Cardiovascular Events in Acute Chest Pain Patients Considered For Coronary Computed Tomographic Angiography

Getu G. Teressa, Philip Lavenburg, Olufunmilayo Agunloye, Gregg Cantor, Mengru Zhang, Jie Yang, Pamela Noack, Michael Poon, Stony Brook

University Medical Center, Stony Brook, NY, USA, Department of Cardiology, Lenox Hill Hospital, Northwell Health, New York, NY, USA

439 - Survival in Patients With Chest Pain and Stable High-Sensitivity Cardiac Troponin T Levels Versus Patients With Non-ST-Segment Elevation Myocardial Infarction

Andreas Roos, Ulrik Sartipy, Rickard Ljung, Martin Holzmann, Karolinska Institutet, Stockholm, Sweden

440 - Diurnal Variation in Troponin Levels in Patients With Chest Pain in the Emergency Department

Andreas Roos, Martin Holzmann, Department of Medicine, Karolinska Institutet, Solna, Stockholm, Sweden

441 - The Ratio of N-Terminal Pro-Brain Natriuretic Peptide to High Sensitivity Cardiac Troponin to Distinguish Type 1 From Type 2 Acute Myocardial Infarction

Joseph Gibbs, James McCord, Michael Hudson, Michele Moyer, Gordon Jacobsen, Robin Trupp, Richard Nowak, Henry Ford Hospital, Detroit, MI, USA, Roche Diagnostics Corporation, Indianapolis, IN, USA

442 - Cardiac Troponin T Concentrations Measured With a High-Sensitivity Assay Integrate Information on Reversible Myocardial Ischemia and Left Ventricular Mass in Patients With Suspected Stable Angina Pectoris: A DOPPLER-CIP Substudy

Peder Myhre, Torbjorn Omland, Sebastian Sarvari, Frank Rademakers, Jan Engvall, Rosa Sicari, Jose Zamorano, Mark Monaghan, Thor Edvardsen, Helge Rosjo, Akershus University Hospital, Lørenskog, Norway

443 - Overall and Sex-Specific Reference Ranges For High-Sensitivity Troponin T Gen 5 STAT in the United States

Robert Fitzgerald, Christopher deFilippi, Judd Hollander, W. Frank Peacock, Alexander T. Limkakeng, Nancy Breitenbeck, Joy Rivers, Blechschmidt Karen, Carina Dinkel-Keuthage, Roche Diagnostics GmbH, Penzberg, Germany

444 - Diagnostic and Prognostic Value of Coronary Calcium in Combination With Diamond-Forrester Score in Acute Chest Pain Patients

Philip Lavenburg, Gregg Cantor, Olufunmilayo Agunloye, Ivan Crnosija, Erin Taub, Pamela Noack, Michael Poon, Getu Teressa, Stony Brook University Medical Center, Stony Brook, NY, USA

446 - Inpatient Mortality and 30-Day Readmission Rates Associated With Troponin Testing

Kevin Kurian, Gibbs Wilson, Jonathan Urbanczyk, Jeffrey Michel, Scott & White Medical Center, Temple, TX, USA

447 - Machine Learning Models to Predict In-Hospital Mortality For ST-Elevation Myocardial Infarction: From China Acute Myocardial Infarction (CAMI) Registry

Jingang Yang, Xiang Li, Tiange Chen, Yingxue Li, Guotong Xie, YueJin Yang, Fuwai Hospital, CAMS & PUMC, Beijing, People's Republic of China, IBM Research - China, Beijing, People's Republic of China

448 - Diagnostic Performance of a High-Sensitivity Cardiac Troponin I For Acute Myocardial Infarction Using Sex-Specific 99th Percentiles Derived From the American Association of Clinical Chemistry Universal Sample Bank  
Yader Sandoval, Stephen Smith, Anne Sexton, Karen Schulz, Fred Apple, Hennepin County Medical Center, Minneapolis, MN, USA

449 - High-Sensitivity Troponins and Outcomes After Myocardial Infarction

Martin Holzmann, Maria Odqvist, Per-Ola Andersson, Hans Tygesen, Kai Eggers, Karolinska Institutet, Stockholm, Sweden

450 - Performance of Prestabilization Shock Index as a Predictor of Mortality in Patients Admitted With ST-Segment Elevation Myocardial Infarction: The Atherosclerosis Risk in Communities Surveillance Study



Michael W. Chambers, Eric A. Whitsel, George Stouffer, Amil Shah, Melissa Caughey, University of North Carolina Hospitals, Chapel Hill, NC, USA

**451 - Admission Macrophage Migration Inhibitory Factor Predicts Long-Term Prognosis in Patients With ST-Segment Elevation Myocardial Infarction**  
Xiangning Deng, Xinyu Wang, Haiyi Yu, Shaomin Chen, Xinye Xu, Youyi Zhang, Anthony Dart, Xiaojun Du, Wei Gao, Department of Cardiology, Institute of Vascular Medicine, Peking University Third Hospital, Beijing, People's Republic of China, Baker Heart and Diabetes Institute, Melbourne, Australia

**452 - The PRECISE DAPT Score Can Be Used to Refine Risk Stratification and Predict Short and Long-Term Mortality in Acute MI Patients**  
Francois Schiele, Etienne Puymirat, Marion Chatot, Francois-Xavier Soto, Fabien De Poli, Jean-Michel Tariére, Pierre Chevallereau, Guillaule Taldir, Karim Moussa, Jean Ferrières, Tabassome Simon, Nicolas Meneveau, Nicolas Danchin, University Hospital Jean Minjoz, Besancon, France, Hôpital Européen Georges Pompidou, Paris, France

**453 - Prediction of In-Hospital Mortality and Length of Stay in Acute Coronary Syndrome Patients Using Machine-Learning Methods**  
Alexey Yakovlev, Oleg Metsker, Sergey Kovalchuk, Ekaterina Bologova, Almazov National Medical Research Centre, Saint-Petersburg, Russian Federation, ITMO University, Saint-Petersburg, Russian Federation

**454 - ST Changes in Electrocardiographic Leads V4-V6 in Patients With Inferior Myocardial Infarction Predict Extent and Distribution of Ischemic Injury as Evaluated by Cardiac Magnetic Resonance: Analysis From the MITOCARE Study**  
Xiaoming Jia, Einar Heiberg, Maria Ripa, Henrik Engblom, Hakan Arheden, Peter Clemmensen, David Erlinge, Sigrun Halvorsen, Alf Inge Larsen, Jan Erik Nordrehaug, Svend Eggert Jensen, Dan Atar, Yochai Birnbaum, Baylor College of Medicine, Houston, TX, USA

**455 - Prognostic Impact of B-Type Natriuretic Peptide on Long-Term Clinical Outcomes in Patients With Non-ST-Segment Elevation Acute Myocardial Infarction Without Creatine Kinase Elevation: Japanese Registry of Acute Myocardial Infarction Diagnosed by Universal Definition (J-MINUET) Substudy**  
Norihiro Takahashi, Ogita Manabu, Nakao Koichi, Yukio Ozaki, Kazuo Kimura, Junya Ako, Noguchi Teruo, Satoshi Yasuda, Satoru Suwa, Kazuteru Fujimoto, Nakama Yasuharu, Takashi Morita, Wataru Shimizu, Yoshihiko Saito, Atsushi Hirohata, Morita Yasuhiro, Teruo Inoue, Atsunori Okamura, Mano Toshiaki, Kazuhito Hirata, Kengo Tanabe, Kunihiro Nishimura, Yoshihiro Miyamoto, Hisao Ogawa, Masaharu Ishihara, Juntendo University Shizuoka Hospital, Izunokuni, Japan

**456 - Prognostic Value of Electrolyte Imbalance at the Time of Admission in Patients With Acute Myocardial Infarction: Subanalysis From Japanese Registry of Acute Myocardial Infarction Diagnosed by Universal Definition (J-MINUET)**

Hitoshi Takano, Wataru Shimizu, Takeshi Yamamoto, Koichi Nakao, Yukio Ozaki, Kazuo Kimura, Junya Ako, Teruo Noguchi, Satoshi Yasuda, Satoru Suwa, Kazuteru Fujimoto, Yasuharu Nakama, Takashi Morita, Yoshihiko Saito, Atsushi Hirohata, Yasuhiro Morita, Teruo Inoue, Atsunori Okamura, Toshiaki Mano, Kazuhito Hirata, Kunihiro Nishimura, Yoshihiro Miyamoto, Hisao Ogawa, Masaharu Ishihara, J-MINUET Investigators, Nippon Medical School, Tokyo, Japan

**457 - Comparison Between TIMI and GRACE Scores as a Predictor For Short- and Long-Term Outcome in Patients With Acute ST-Elevation Myocardial Infarction**

Nitinan Chimparlee, Jarkarpun Chaipromprasit, Siriporn Athisakul, Vorarit Lertsuwanseri, Wacin Buddhari, Wasan Udayachalerm, Suphot Srimahachota, Cardiovascular Medicine and Catheterization Laboratory Unit, King Chulalongkorn Memorial Hospital, Bangkok, Thailand

**458 - Troponin Level at Presentation Is a Strong Predictor of Outcome For Patients Undergoing Percutaneous Coronary Intervention For ST Elevation Myocardial Infarction: Insights From the Blue Cross Blue Shield of Michigan Cardiovascular Collaborative (BMC2) Registry**

Brett Wanamaker, Milan Seth, Devraj Sukul, Simon Dixon, Deepak Bhatt, Ryan Madder, John Rumsfeld, Hitinder Gurm, University of Michigan, Ann Arbor, MI, USA

**459 - Unstable Angina in the Era of High-Sensitivity Troponin-Based Rule-Out Strategies**

Guglielmo Gallone, Vittoria Vergani, Marco Magnoni, Giulia Angeloni, Paola Scarano, Ferruccio Ceriotti, Domenico Cianflone, IRCCS Ospedale San Raffaele Università Vita-Salute Milano, Milan, Italy

**460 - Prognostic Implications of a High-Sensitivity Cardiac Troponin T Assay in a Real-Life Population With Non-ST Acute Coronary Syndrome**

Guglielmo Gallone, Marco Magnoni, Ferruccio Ceriotti, Vittoria Vergani, Daniela Giorgio, Giulia Angeloni, Atilio Maseri, Domenico Cianflone, IRCCS Ospedale San Raffaele Università Vita-Salute Milano, Milan, Italy, Fondazione "Per il Tuo Cuore" Heart Care Foundation ONLUS, Rome, Italy

**461 - A Risk Model to Predict In-Hospital Major Adverse Cardiac Events in Acute Coronary Syndromes Patients**

Yingxue Li, Xin Du, Tiange Chen, Xiang Li, Guotong Xie, Changsheng Ma, Department of Cardiology, Beijing Anzhen Hospital, Beijing, People's Republic of China, IBM Research - China, Beijing, People's Republic of China

**462 - Interpreting Cardiac Troponins When Measured in Asymptomatic Patients and Following Acute Injury**

Matthew N. Peters, Stephen Seliger, Robert Christenson, Vincent See, Timm Dickfeld, Christopher DeFilippi, University of Maryland, Baltimore, MD, USA, INOVA, Fairfax, VA, USA

**463 - Prognostic Values of Serum Chloride and Sodium Levels in Patients With Three-Vessel Disease**

Ce Zhang, Lin Jiang, Yanyan Zhao, Lei Song, Jinqing Yuan, Fuwai Hospital, Peking Union Medical College, Beijing, People's Republic of China

**464 - Physician Judgment More Accurate Than Diamond-Forrester Risk Score in Predicting Obstructive CAD and Adverse Cardiac Events in Patients With Chest Pain: Insights From the PROMISE Trial**

Christopher Fordyce, C. L. Hill, Adrian Coles, Kerry Lee, Daniel Mark, Udo Hoffmann, Manesh Patel, Pamela S. Douglas, University of British Columbia, Vancouver, Canada, Duke Clinical Research Institute, Durham, NC, USA

**465 - Can Biomarkers Supplement Functional Ischemia Assessment in Intermediate Risk Chest Pain in the Emergency Department?**

Ashish Aneja, Jianbin Shen, Dennis Super, Prasanna Sengodan, Sonika Malik, Sandeep Randhawa, Sanjay Gandhi, MetroHealth Medical Center and Case Western Reserve University, Cleveland, OH, USA

**466 - Can a Biomarker Based Approach Predict Stress Testing Results in Patients With Chest Pain**

Ashish Aneja, Jianbin Shen, Dennis Super, Sandeep Randhawa, Prasanna Sengodan, Sonika Malik, Sanjay Gandhi, MetroHealth Medical Center, Case Western Reserve University, Cleveland, OH, USA

**Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1306**

**Observations With Revascularization: From Stable CAD to STEMI**

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

Poster Hall, Hall A/B

**CME Hours: /CNE Hours:**

**467 - From Pilot Trial to Real-World Experience: The Safety of Offsite Percutaneous Coronary Interventions in California**



William J. Bommer, Mark Kishiyama, Suresh Ram, Holly Hoegh, Jason H. Rogers, Office of Statewide Health Planning, University of California, Davis, Davis, CA, USA

468 - Ad Hoc Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease: A Report From the National Cardiovascular Data Registry

Kamil Faridi, Jennifer Rymer, Sunil V. Rao, Dadi (David) Dai, Daniel Wojdyla, Tracy Wang, Beth Israel Deaconess Medical Center, Boston, MA, USA, Duke University Medical Center, Durham, NC, USA

469 - 10-Year Clinical Outcome After Treatment of Coronary Lesions in the Proximal Part of the Left Anterior Descending Artery With Drug-Eluting Stents

Lars Kjøller-Hansen, Henning Kelbaek, Anders Galløe, and the SORT-OUT II Investigators, Zealand University Hospital, Roskilde, Denmark

470 - Does Minimally-Invasive Bypass Surgery Afford a Long-Term Survival Advantage Compared With Drug-Eluting Stent For Isolated Complex Disease of the Left Anterior Descending Coronary Artery?

Nirav C. Patel, Varinder P. Singh, Karthik Seetharam, Jonathan M. Hemli, S. Jacob Scheinerman, Luigi Pirelli, Derek R. Brinster, Cindy L. Grines, Chad A. Klinger, Efstatia A. Mihelis, Michael C. Kim, Lenox Hill Hospital, New York, NY, USA

472 - Coronary Sinus Reducer™ Retains Patency and Efficacy at Twelve Years: A First in Man Prospective Cardiac CT Angiography Outcome Study

Keyur H. Parikh, Parth Parikh, Deepa Shah, Parloop Bhatt, Piyush Thakar, Ajay Naik, Hemang Baxi, Shmuel Banai, CIMS Hospital, Ahmedabad, India, Cleveland Clinic Foundation, Cleveland, OH, USA

473 - Impact of Chronic Kidney Disease Among Diabetic Patients With Stable Coronary Disease Undergoing Surgery, Angioplasty or Medical Treatment in a 10 Year Follow-Up

Daniel Valente Batista, Whady Hueb, Jaime Linhares Filho, Eduardo Lima, Paulo Rezende, Diogo Azevedo, Eduardo Martins, Alexandre Hueb, Expedito Silva, Jose Ramires, Roberto Kalil Filho, Heart Institute (InCor) University of Sao Paulo, Sao Paulo, Brazil

474 - Three-Dimensional Diagnostic Ultrasound Sonothrombolysis in Improving Coronary and Microvascular Reperfusion in Acute ST-Segment Elevation Myocardial Infarction

Juefei Wu, Qian Feng, Shifeng Qiu, Jiancheng Xiu, Nanfang Hospital, Southern Medical University, Guangzhou, People's Republic of China

475 - Clinical Events After Percutaneous Coronary Intervention on Elderly Geriatric Patients

Ryota Sato, Kenji Sakamoto, Seiji Hokimoto, Suguru Nagamatsu, Takayoshi Yamashita, Shuichi Oshima, Ryusuke Tsunoda, Koichi Nakao, Toshiyuki Matsumura, Kazuteru Fujimoto, Hideki Shimomura, Yasuhiro Izumiya, Sunao Kojima, Hisao Ogawa, Koichi Kaikita, Kenichi Tsujita, Kumamoto University Hospital, Kumamoto, Japan

476 - Outcomes of Different Patterns of Percutaneous Revascularization For Non ST Segment Elevation Acute Coronary Syndrome Patients With Multivessel Coronary Artery Disease

Mohamed Sadaka, Sherif Ayad, Amr Zaki, Ebram Saleeb, Faculty of Medicine Alexandria University, Alexandria, Egypt

477 - Predictors, Cost and 30-Day Inpatient Mortality in Patients Undergoing Early Invasive Versus Conservative Management For Unstable Angina/Non ST Elevation Myocardial Infarction: Insights From National Readmission Database

Shanti Patel, Aparna Saha, Priti Poojary, Sumeet Pawar, Jignesh Patel, Kanika Mahajan, Pratik Mondal, Kinsuk Chauhan, Shivkumar Agarwal, Stephan Kamholz, Gerald Hollander, Jacob Shani, Girish Nadkarni, Maimonides Medical Center, New York, NY, USA, Icahn School of Medicine at Mount Sinai, New York, NY, USA

Medical Center, New York, NY, USA, Icahn School of Medicine at Mount Sinai, New York, NY, USA

478 - Incidence and Causes of 30-Day Readmission in Patients Undergoing Early Invasive Versus Conservative Management For Unstable Angina/Non ST Elevation Myocardial Infarction: Insights From National Readmission Database

Shanti Patel, Aparna Saha, Priti Poojary, Sumeet Pawar, Jignesh Patel, Kanika Mahajan, Pratik Mondal, Kinsuk Chauhan, Shivkumar Agarwal, Stephan Kamholz, Gerald Hollander, Jacob Shani, Girish Nadkarni, Maimonides Medical Center, New York, NY, USA, Icahn School of Medicine at Mount Sinai, New York, NY, USA

### Acute and Stable Ischemic Heart Disease - Poster Contributions Session #1307

#### Bubbles and Troubles

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

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

479 - Stable Cavitation For Efficient Thrombolysis in Coronary Micro-Circulation: An In-Vitro Experimental Study With Dodecafluoropentane Acoustic Phase-Change Nano-Droplets

Bo Hu, Nan Jiang, Qing Zhou, Sheng Cao, Qing Deng, Jin-Ling Chen, Rui-Qiang Guo, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

480 - Cavitation Phenomenon Creating Bubbles and Their Explosion in the Coronary Arteries Caused Damage to the Endothelium and Start the Atheroslerotic Process

Thach N. Nguyen, Nhan Minh Tri Nguyen, Vien Thanh Truong, Viet Minh Vo, Gianluca Rigatelli, Methodist Hospital, Merrillville, IN, USA, Tan Tao University Medical School, E-City Tan Duc, Long An, Viet Nam

481 - The Role of Inflammation in the Pathophysiology of Ruptures

Hiroyuki Jinnouchi, Sho Torii, Maria Romero, Frank Kolodgie, Renu Virmani, Alok Finn, CVPath Institute, Gaithersburg, MD, USA

482 - Stimulation of Collateral Vessel Growth by Inhibition of Galectin-2 in Mice Using a Single-Domain Llama-Derived Antibody

Maurits Hollander, Matthijs Jansen, Tineke Van der Pouw-Kraan, Edward Dolk, Paul Knaapen, Anton Horrevoets, Esther Lutgens, Niels Van Royen, VU University Medical Center, Amsterdam, The Netherlands

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

Session #1316M

#### Novel Approaches to Anti-Platelet Management: Fantasyland or Frontierland?

Monday, March 12, 2018, 9:45 a.m. - 10:30 a.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: David J. Moliterno

ACC Poster Moderator: Tracy Wang

9:45 a.m.

The Efficacy and Safety of Cangrelor For Patients Undergoing Single Vessel Versus Multi Vessel Percutaneous Coronary Intervention: Insights From the CHAMPION PHOENIX Trial

Christoph Olivier, Freddy Abnousi, Vandana Sundaram, Jaden Yang, Gregg Stone, Philippe Steg, C. Michael Gibson, Christian Hamm, Matthew Price, Efthymios Deliargyris, Jayne Prats, Harvey White, Robert Harrington, Deepak Bhatt, Kenneth Mahaffey, Celina Yong, on behalf of the CHAMPION PHOENIX Investigators, Stanford University School of Medicine, Stanford, CA, USA



9:55 a.m.

Question and Answer

10:00 a.m.

Ultra-Low-Dose Twice-Daily Aspirin Improves Hemostasis and Maintains Platelet Inhibition in Acute Coronary Syndrome Patients Receiving Ticagrelor  
William Parker, Rachel C. Orme, Wael Sumaya, Jessica Hanson, Hannah Stokes, Hannah McMellon, Patricia Shaw, Heather Judge, Robert Storey, University of Sheffield, Sheffield, United Kingdom, Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom

10:10 a.m.

Question and Answer

10:15 a.m.

Do COMPASS Trial Participants Represent Patients in Everyday Practice?  
Xiaoxi Yao, Bernard Gersh, Lindsey Sangaralingham, Nilay Shah, Peter Noseworthy, Mayo Clinic, Rochester, MN, USA

10:25 a.m.

Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #730

#### Spontaneous Coronary Artery Dissection: A Real Villain

Monday, March 12, 2018, 10:45 a.m. - 12:15 p.m.

Room 206 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Amir Lerman

Co-Chair: Puja K. Mehta

10:45 a.m.

The Kingdom of SCAD: Demographics and Prevalence  
Sharonne Hayes  
Rochester, MN

10:57 a.m.

The Seven Dwarfs of Diagnosing SCAD: What Tests Are Best?  
Janet Wei  
Los Angeles, CA

11:09 a.m.

The Prince of Cardiology: A General Cardiologist Approach to SCAD  
John P. Erwin, III  
Temple, TX

11:21 a.m.

Mirror, Mirror: To Treat or Not to Treat SCAD  
Rajiv Gulati  
Rochester, MN

11:33 a.m.

Case Presentation  
Stephanie Cantu  
West Hollywood, CA

11:41 a.m.

Happily Ever After? The Psychological Aftermath: How Best to Help Patients Through the Trauma  
Katharine S. Edwards  
Stanford, CA

11:53 a.m.

Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #731

#### Acute Cardiogenic Shock: Progress, Paradigms, and Problems

Monday, March 12, 2018, 10:45 a.m. - 12:15 p.m.

Room 205 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Venu Menon

Co-Chair: Judith S. Hochman

Panelist: Deborah Klein

Panelist: Erik Magnus Ohman

Panelist: Theodore L. Schreiber

Panelist: Joseph Parrillo

Panelist: Holger Thiele

10:45 a.m.

Medical Approaches to Cardiogenic Shock  
Sean Van Diepen  
Edmonton, Canada

10:55 a.m.

Panel Discussion

11:03 a.m.

Current Status and Trends in Cardiogenic Shock  
Erin Ann Bohula  
Boston, MA

11:13 a.m.

Panel Discussion

11:21 a.m.

Mechanical Circulatory Support - When, Who, How?  
Navin Kapur  
Hanover, MA

11:31 a.m.

Panel Discussion

11:39 a.m.

Monitoring of Hemodynamics and End-Organ Perfusion in Cardiogenic Shock  
Arvind Bhimaraj  
Houston, TX

11:49 a.m.

Panel Discussion

11:57 a.m.

Future Directions and Unresolved Problems in Acute Cardiogenic Shock  
Holger Thiele  
Leipzig, Germany

12:07 p.m.

Panel Discussion

### Acute and Stable Ischemic Heart Disease - Hands-on Skills Learning

#### Session #1547

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

Station . . . Body Interact Simulation Platform

Monday, March 12, 2018, 12:30 p.m. - 1:30 p.m.

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

CME Hours: /CNE Hours:

12:30 p.m.

Faculty: Clinical Judgement Challenge Station  
Matthew W. Martinez  
Allentown, PA



### Acute and Stable Ischemic Heart Disease - International Session #527

**The Impact of Guidelines on Risk Reduction: International Perspectives from the National Heart Association of Malaysia, Taiwan Society of Cardiology, and American College of Cardiology**

Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.

Room 304 E

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: B. Hadley Wilson

Co-Chair: Wan Azman Wan Ahmad

Co-Chair: Jiunn-Lee Lin

12:30 p.m.

Introduction to Session

B. Hadley Wilson

Charlotte, NC

12:35 p.m.

Key Highlights of Malaysian National Cardiovascular Database (NCVD) Over the Last 10 Years

Ahmad Syahdi Mahmud Zuhdi

Kuala Lumpur, Malaysia

12:44 p.m.

Audience Question and Answer

12:49 p.m.

NCVD Data to Guidelines and Practice

Alan Yean Yip Fong

Sarawak, Malaysia

12:58 p.m.

Audience Question and Answer

1:03 p.m.

Taiwan Society ACS Guidelines

Yi-Heng Li

Tainan 704, Taiwan

1:12 p.m.

Audience Question and Answer

1:17 p.m.

Improvement of Getting With ACS Guidelines from Taiwan ACS-Full Spectrum Registry to ACS-DM Registry in Taiwan

Kou-Gi Shyu

Taipei, Taiwan

1:26 p.m.

Audience Question and Answer

1:31 p.m.

Regionalization of STEMI Care in ACTION: National and International Perspectives

James G. Jollis

Raleigh, NC

1:40 p.m.

Audience Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific Session #746

**Analyzing the Data: Blockbuster Trials in Acute and Stable Ischemic Heart Disease**

Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.

Room 206 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Laura Mauri

Co-Chair: Harvey D. White

Panelist: Christopher P. Cannon

Panelist: Morton J. Kern

Panelist: Dharam J. Kumbhani

Panelist: Philippe Gabriel Steg

12:30 p.m.

COMPASS: Rivaroxaban for the Prevention of Major Cardiovascular Events in Coronary or Peripheral Artery Disease

sonia anand

Hamilton, Canada

12:37 p.m.

Panel Discussion of COMPASS Trial

12:45 p.m.

COMPARE-ACUTE: Fractional Flow Reserve-guided Multivessel Angioplasty in Myocardial Infarction

Elmir Omerovic

Gothenburg, Sweden

12:52 p.m.

Panel Discussion of COMPARE ACUTE Trial

1:00 p.m.

CANTOS: The Canakinumab Anti-Inflammatory Thrombosis Outcomes Study

Paul M. Ridker

Boston, MA

1:07 p.m.

Panel Discussion of CANTOS Trial

1:15 p.m.

SYNTAX II: Synergy Between Percutaneous Coronary Intervention With Taxus and Cardiac Surgery

Javier Escaned

Madrid, Spain

1:22 p.m.

Panel Discussion of SYNTAX II Trial

1:30 p.m.

The Bivalirudin Versus Heparin in Non-ST and ST-Segment Elevation Myocardial Infarction in Patients on Modern Antiplatelet Therapy in SWEDEHEART

Stefan K. James

Uppsala, Sweden

1:37 p.m.

Panel Discussion of the Bivalirudin Versus Heparin in Non-ST and ST-Segment Elevation Myocardial Infarction in Patients on Modern Antiplatelet Therapy in SWEDEHEART



### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #747

#### Challenges in NSTEMI Management

Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.

Room 205 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Henry E. Kim

Co-Chair: Michael W. Rich

Panelist: Jonathan Afilalo

Panelist: Muzaffer Murat Degertekin

Panelist: Rhynn Malloy

12:30 p.m.

Case Presentation: Anticoagulation Management in a Patient With High Bleeding Risk and Indications for "Triple Therapy"

Thomas Koshy

Dallas, TX

12:36 p.m.

Panel Discussion with Audience Question and Answer

12:45 p.m.

Case Presentation: NSTEMI Revascularization Strategy in a Complicated Diabetic Patient

Akhil Narang

Chicago, IL

12:51 p.m.

Panel Discussion with Audience Question and Answer

1:00 p.m.

Case Presentation: NSTEMI Management in a Patient Post-Operative From Non-Cardiac Surgery

Jorge Padilla Ibarra

Washington, DC

1:06 p.m.

Panel Discussion with Audience Question and Answer

1:15 p.m.

Case Presentation: Management of NSTEMI in the Setting of Frailty and Cognitive Impairment

Gray Akoegbe

Detroit, MI

1:21 p.m.

Panel Discussion with Audience Question and Answer

1:30 p.m.

Case Presentation: Troponin Elevation in the Medical ICU Patient: Is It A NSTEMI?

Adam Shpigel

Saint Louis, MO

1:36 p.m.

Panel Discussion with Audience Question and Answer

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

#### Session #1325M

#### The Carousel of Progress in ASIH

Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.

Acute and Stable Ischemic Heart Disease Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Richard G. Bach

ACC Poster Moderator: L. Kristin Newby

12:30 p.m.

Infection Is a Risk Factor For Ischemic Heart Disease and Stroke and Impacts Long-Term Mortality: Insights Utilising Big Data From the UK ACALM Registry  
Paul Carter, Hardeep Uppal, Kevin Bainey, Rahul Potluri, ACALM Study Unit, Aston University, Birmingham, United Kingdom

12:40 p.m.

Question and Answer

12:45 p.m.

Elevated Levels of the Neutrophil to Lymphocyte Ratio Predicts Incidence of Major Adverse Cardiovascular Events in High Risk Patients: Insights From ACCELERATE

Adam J. Nelson, Stephen Nicholls, A. Lincoff, Venu Menon, Jeffrey Riesmeyer, Giacomo Ruotolo, Kathy Wolski, Ellen McErlean, Steven Nissen, Cleveland Clinic, Cleveland, OH, USA, South Australian Health and Medical Research Institute, Adelaide, Australia

12:55 p.m.

Question and Answer

1:00 p.m.

Specific Adaptive Immune System Signature and Plaque Fissure: An Optical Coherence Tomography Study in Acute Coronary Syndrome

Aureliano Ruggio, Daniela Pedicino, Rocco Antonio Montone, Rocco Vergallo, Gianmarco Annibali, Davide Flego, Anna Severino, Ramona Vinci, Eugenia Pisano, Claudia Lucci, Italo Porto, Cristina Aurigemma, Giampaolo Niccoli, Filippo Crea, Giovanna Liuzzo, Catholic University of the Sacred Heart, Fondazione Policlinico Universitario A. Gemelli, Rome, Italy

1:10 p.m.

Question and Answer

1:15 p.m.

The Impact of Circulating Galectin-3 Levels on Long-Term Outcomes After Myocardial Infarction in the Community

Rabea Asleh, Maurice Enriquez-Sarano, Allan Jaffe, Sheila Manemann, Susan Weston, Ruoxiang Jiang, Veronique Roger, Mayo Clinic, Rochester, MN, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Confirmative Phase III Global Clinical Trial of a Botanical Drug in Patients With Chronic Stable Angina (CAESA): New Treatment Options For Myocardial Ischemia Heart Disease

Henry Sun, Zhixin Guo, Lingyan Li, Naifeng Wu, Kaijing Yan, Xijun Yan, CAESA Clinical Trial Investigators, CAESA Working Group Members, Tasly Pharmaceuticals Inc., Rockville, MD, USA, Tasly Pharmaceutical Group Co. Ltd., Tianjin, People's Republic of China

1:40 p.m.

Question and Answer



### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #761

#### What is the PROMISE of ISCHEMIA: Now Thrown Into ORBITA?

Monday, March 12, 2018, 2:00 p.m. - 3:30 p.m.

Room 206 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Pamela S. Douglas

Co-Chair: Judith S. Hochman

Panelist: Karen P. Alexander

Panelist: Dharam J. Kumbhani

Panelist: Mandeep S. Sidhu

Panelist: Erik Magnus Ohman

2:00 p.m.

Non-Invasive Risk Stratification in Stable Angina: Anatomical Perspective

Udo Hoffmann

Boston, MA

2:08 p.m.

Non-Invasive Risk Stratification in Stable Angina: Functional Perspective

Rory Hachamovitch

Cleveland, OH

2:16 p.m.

Panel Discussion With Question and Answer

2:30 p.m.

Debate: Non-Invasive Risk Stratification Is the Optimal Gatekeeper for Revascularization in Stable Angina

Marcelo F. Di Carli

Boston, MA

2:38 p.m.

Debate: Angiography is the Optimal Gatekeeper for Revascularization in Stable Angina

Ajay J. Kirtane

New York, NY

2:46 p.m.

Debate: The AUC document Is the Optimal Gatekeeper for Revascularization in Stable Angina

Manesh R. Patel

Durham, NC

2:54 p.m.

Panel Discussion With Question and Answer

3:08 p.m.

Perspective on Management of Stable CAD: What Have We Learned From COURAGE, ISCHEMIA, ORBITA, and Other Studies?

David Maron

Stanford, CA

3:16 p.m.

Panel Discussion With Question and Answer

### Acute and Stable Ischemic Heart Disease - Scientific

#### Session #762

#### Next Generation Cardiac Rehabilitation: More Than A Gym?

Monday, March 12, 2018, 2:00 p.m. - 3:30 p.m.

Room 205 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Alison Bailey

Co-Chair: Martha Gulati

2:00 p.m.

The Current State of Cardiovascular Rehab

Todd M. Brown

Birmingham, AL

2:10 p.m.

Panel Discussion with Audience Question and Answer

2:18 p.m.

Cardiac Rehab in the Crossroads: New Payment Models and New Opportunities

Thomas A. Draper

Charlotte, NC

2:28 p.m.

Panel Discussion with Audience Question and Answer

2:36 p.m.

Advocacy in Action: Improving Access for Cardiac Rehab, Senate Bill 1361/House Bill 1155

Alison Bailey

Chattanooga, TN

2:46 p.m.

Panel Discussion with Audience Question and Answer

2:54 p.m.

Models of Innovative Cardiac Rehab programs

Kathleen Traynor

Boston, MA

3:04 p.m.

Panel Discussion with Audience Question and Answer

3:12 p.m.

Transforming Cardiac Rehab: Technology Innovations and Wearable Device Integration

Alexis L. Beatty

Seattle, WA

3:22 p.m.

Panel Discussion with Audience Question and Answer