



### Heart Failure and Cardiomyopathies - International Session

#### Session #529

#### Emerging World Healthcare Systems - Lessons Learned and Challenges Ahead II: Heart Failure: A Local Look at a Global Disease

Friday, April 1, 2016, 2:15 p.m. - 3:18 p.m.

Room S103ab

CME Hours: 0 /CNE Hours: 0

Chair: Andrew M. Kates

Co-Chair: Olakunle O. Akinboboye

Co-Chair: Dayi Hu

2:15 p.m.

Diagnosis and Management of Cardiomyopathies in West Africa - Unique Opportunities for Research and Innovation

Kofo O. Ogunyankin

2:27 p.m.

Epidemiology of Heart Failure in China

Zhao Dong

Beijing, China

2:39 p.m.

Heart Failure - A Local Look at a Global Disease

Amal Kumar Banerjee

Howrah, West Bengal, India

2:51 p.m.

From a Neglected Disease to a Huge Heart Transplant Program - The Brazilian Experience with Heart Transplant in Chagas Disease

Fernando Bacal

Sao Paulo, Brazil

3:03 p.m.

Panel Discussion

Panelist: Kofo O. Ogunyankin

Panelist: Zhao Dong

Panelist: Amal Kumar Banerjee Bengal, India

Panelist: Fernando Bacal

### Heart Failure and Cardiomyopathies - International Session

#### Session #531

#### Emerging World Healthcare Systems - Lessons Learned and Challenges Ahead IV: Unique Challenges in Healthcare: Why What Works Here May Not Work There

Friday, April 1, 2016, 4:40 p.m. - 5 p.m.

Room S103ab

CME Hours: 0 /CNE Hours: 0

Chair: Andrew M. Kates

4:40 p.m.

A Global Perspective on the Epidemic of Congestive Heart Failure

Clyde W. Yancy

Chicago, IL

### Heart Failure and Cardiomyopathies - International Session

#### Session #502

#### Tuberculous and Tropical Heart Disease: International Perspectives From the Venezuelan Society of Cardiology, Pan-African Society of Cardiology, and American College of Cardiology

Saturday, April 2, 2016, 8 a.m. - 9:30 a.m.

Room N427cd

CME Hours: 1.5 /CNE Hours: 0

Co-Chair: JoAnn Lindenfeld

Co-Chair: Gabriel J. D'Empaire, Bolivarian Republic of

Co-Chair: Bernard J. Gersh

8:00 a.m.

Introduction to Session

JoAnn Lindenfeld

8:05 a.m.

Tropical Heart Diseases: A New Arrhythmic Threat to America

Ivan J. Mendoza

Caracas, Venezuela, Bolivarian Republic of

8:16 a.m.

Tropical Heart Diseases are Here in America!

Juan A. Marques

Caracas, Venezuela, Bolivarian Republic of

8:27 a.m.

The Risk of Subsequent Pregnancy in Women With a History of Peripartum Cardiomyopathy

Uri Elkayam

Los Angeles, CA

8:38 a.m.

Recent Advances in the Diagnosis of Tuberculous Pericarditis

Faisal F. Syed

Ann Arbor, MI

8:49 a.m.

Immunotherapy for Tuberculous Pericarditis - The IMPI Trial

Faisal F. Syed

Ann Arbor, MI

9:00 a.m.

Discussion

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #607

#### Hot New Drugs for Heart Failure - Be Careful What You Wish for Saturday, April 2, 2016, 8 a.m. - 9:30 a.m.

Grand Ballroom S100bc

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Lee R. Goldberg

Co-Chair: Clyde W. Yancy

8:00 a.m.

Nepilysin Inhibitor: The Science - Mechanism of Action, Early Studies, Unanswered Questions

Biykem Bozkurt

8:10 a.m.

Nepilysin Inhibitor: The Trials

Akshay S. Desai

Boston, MA



8:20 a.m.

Neprilysin Inhibitor: The Debate - All Patients With NYHA Class II and III Systolic Heart Failure Should Be on Angiotensin Renin Blockade Should Be on Combination ARB/Neprilysin Inhibition

Marvin A. Konstam  
Boston, MA

8:27 a.m.

Neprilysin Inhibitor: The Debate: ARB/Neprilysin Inhibition Should Be Limited to a Very Select Groups of Patients

Lynne Warner Stevenson  
Boston, MA

8:34 a.m.

Rebuttal, Pro

8:39 a.m.

Rebuttal, Con

8:44 a.m.

Ivabradine: The Science - Mechanism of Action, Early Studies, Unanswered Questions

Edo Y. Birati  
Wynnewood, PA

8:54 a.m.

Ivabradine: The Trials

Jeffrey S. Borer  
New York, NY

9:04 a.m.

Ivabradine: The Debate - All Patients With Symptomatic Systolic Heart Failure and a Heart Rate More Than 70 Beats/Minute Should Be on Ivabradine

Maria Rosa Costanzo  
Naperville, IL

9:16 a.m.

Ivabradine: The Debate - Ivabradine Should Be Limited to a very Select Groups of Patients

Michael M. Givertz  
Boston, MA

9:23 a.m.

Rebuttal, Pro

9:26 a.m.

Rebuttal, Con

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1102

#### Predicting the Future: Biomarkers, Risk Scores, Exercise, and HF Outcomes

Saturday, April 2, 2016, 9:30 a.m. - 12:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

47 - Ergoreflex Overactivity: A Potential Cause of Exercise Limitation and Dysautonomia in Patients With Mitochondrial Myopathy

Alberto Aimo, Alberto Giannoni, Massimo Piepoli, Michelangelo Mancuso, Gabriele Siciliano, Claudio Passino, Michele Emdin, Fondazione Toscana Gabriele Monasterio, Pisa, Italy

48 - Biomarkers of Muscle and Heart Damage in Patients With Mitochondrial Disease

Alberto Aimo, Alberto Giannoni, Massimo Piepoli, Michelangelo Mancuso, Gabriele Siciliano, Aldo Clerico, Claudio Passino, Michele Emdin, Fondazione Toscana Gabriele Monasterio, Pisa, Italy

49 - Beside Tools for Stratification of the Etiology of Cardiac Hypertrophy  
Sunil Kapur, Samantha P. Beik, Sneha Prem, Calum MacRae, Brigham and Women's Hospital, Boston, MA, USA

50 - Proposal of Two Types of Acute on Chronic Heart Failure Progression Based on the "Chloride Theory": Worsening Heart Failure With Increased Versus Non-Increased Serum Chloride Concentration

Hajime Kataoka, Nishida Hospital, Oita, Japan

51 - CHADS<sub>2</sub> Score Predicts Ischemic Stroke Among Chronic Heart Failure Patients With Sinus Rhythm Irrespective of the Level of Red Cell Distribution Width

Takumi Kondo, Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Masashi Ishimi, Hideyuki Hakui, Tatsuhisa Ozaki, Yoshihiro Sato, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

52 - The CHADS<sub>2</sub> Score Predicts Ischemic Stroke in Chronic Heart Failure Patients Without Atrial Fibrillation: Comparison to Other Stroke Risk Scores

Takumi Kondo, Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Masashi Ishimi, Hideyuki Hakui, Tatsuhisa Ozaki, Yoshihiro Sato, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Masatake Fukunami, Division of Cardiology, Osaka General Medical Center, Osaka, Japan

53 - Elevated Plasma Galectin-3 Is Associated With a Higher Risk of Cardiovascular Mortality: A Meta-Analysis

Tasnim F. Imran, Njambi Mathenge, Frank Wang, Hyun Shin, Bernard Kim, Jacob Joseph, J. Michael Gaziano, Luc Djousse, Brigham and Women's Hospital, Boston, MA, USA, Rutgers New Jersey Medical School, Newark, NJ, USA

54 - Subclinical LV Dysfunction, Exercise Capacity and Quality of Life in T2DM Versus Other Stage A Heart Failure: An Observational Substudy of the TasELF Study

Ying Wang, Hong Yang, Mark Nolan, Kazuaki Negishi, Thomas Marwick, Menzies Institute for Medical Research, Hobart, Australia

55 - Impact of Left Ventricular Diastolic Function on Long-Term Mortality in Patients With Heart Failure With Reduced Ejection Fraction

Jae-Yeong Cho, Kye Hun Kim, Youngkeun Ahn, Sang Eun Lee, Hyun-Jai Cho, Hae-Young Lee, Jin-Oh Choi, Eun-Seok Jeon, Min-Seok Kim, Jae-Joong Kim, Kyung-Kuk Hwang, Shung Chul Chae, Sang Hong Baek, Seok-Min Kang, Dong-Ju Choi, Byung-Su Yoo, Hyun-Young Park, Myeong-Chan Cho, Byung-Hee Oh, Chonnam National University Hospital, Gwangju, South Korea

56 - Aerobic Exercise Training and Health Status in Ambulatory Heart Failure Patients With a Reduced Ejection Fraction: An Analysis From the HF-ACTION Trial

Andrew P. Ambrosy, Lukasz Cerbin, Adam DeVore, Stephen Greene, William E. Kraus, Christopher O'Connor, Ileana Pina, David Whellan, Daniel Wojdyla, Angie Wu, Robert Mentz, Duke University Medical Center, Durham, NC, USA

57 - Inflammatory Biomarker IL-6 Predicts Heart Failure in Women With Signs and Symptoms of Ischemia and No Obstructive Coronary Artery Disease: Findings From the NHLBI-Sponsored Women's Ischemic Syndrome Evaluation (WISE) Study

Ahmed AlBadri, Janet Wei, Puja Mehta, Sofy Landes, Quanlin Li, Delia Johnson, Steven E. Reis, Sheryl F. Kelsey, Diane Thompson, Vera Bittner, George Sopko, Leslee J. Shaw, Carl J. Pepine, C. Noel Bairey Merz, Cedars Sinai Heart Institute, Los Angeles, CA, USA

58 - Reflection Magnitude, a Measure of Arterial Stiffness, Predicts Incident Congestive Heart Failure in Men but Not Women: Multi-Ethnic Study of Atherosclerosis (MESA)

Rebecca Chester, Tamara Horwich, Preethi Srikanthan, Jeffrey Gornbein, Gregory Hundley, Karol Watson, UCLA Division of Cardiology, Los Angeles, CA, USA, Wake Forest, Department of Cardiology, Winston-Salem, NC, USA



59 - The Value of Echo Doppler Derived Index of Ventricular Stiffness and Ventriculo-Arterial Interaction as Predictors of New-Onset Atrial Fibrillation in Patients With Heart Failure

Ji Hyun Yoon, Hyemooon Chung, Eui-Young Choi, Pil-Ki Min, Young Won Yoon, Byoung Kwon Lee, Bum-Kee Hong, Se-Joong Rim, Hyuck Moon Kwon, Jong-Youn Kim, Gangnam Severance Hospital, Seoul, South Korea

60 - Assessment of Serial Heart Rate and Beta Blocker Use in a Contemporary Chronic Systolic Heart Failure Patients: Results From the ProBNP Outpatient Tailored Chronic Heart Failure (PROTECT) Study

Hanna Kim Gaggin, Dustin Rabideau, Nasrien Ibrahim, Parul Gandhi, James Januzzi, Massachusetts General Hospital, Boston, MA, USA, Harvard Research Clinical Institute, Boston, MA, USA

61 - Balancing the Role of Cardiac Output Versus O<sub>2</sub> Extraction During Maximal Exercise in Heart Failure With Reduced Ejection Fraction: Pathophysiological Insights

Greta Generati, Francesco Bandera, Marta Pellegrino, Valentina Labate, Vincenzo Tufaro, Valeria Donghi, Eleonora Alfonzetti, Marco Guazzi, IRCCS Policlinico San Donato, San Donato Milanese, Italy

62 - Mortality Risk Among Heart Failure Patients With Depression: A Nationwide Population-Based Cohort Study

Kasper Adelborg, Morten Schmidt, Jens Sundboll, Lars Pedersen, Poul Videbech, Hans Erik Botker, Kenneth Egstrup, Henrik Toft Sorensen, Aarhus University Hospital, Department of Clinical Epidemiology, Aarhus, Denmark

63 - Treatment With the V1A/V2-Vasopressin Receptor Antagonist Conivaptan Increases Cardiac Output During Exercise in Patients With Advanced Heart Failure

Louise Balling, Jakob H. Thomsen, Emil Wolsk, Christian Hassager, Soeren Boesgaard, Steven Goldsmith, Finn Gustafsson, Department of Cardiology, University Hospital of Copenhagen, Rigshospitalet, Copenhagen, Denmark

64 - Serial Galectin-3 and Future Cardiovascular Disease in the General Population: Data of PREVENT

Allart Rogier van der Velde, Wouter Meijers, Jennifer Ho, Frank Brouwers, Michiel Rienstra, Stephan Bakker, Anneke Muller Kobold, Dirk van Veldhuisen, Wiek van Gilst, Pim van der Harst, Rudolf De Boer, University of Groningen, University Medical Center Groningen, Department of Cardiology, Groningen, The Netherlands, Cardiovascular Medicine Section, Department of Medicine, Boston University School of Medicine, Boston, MA, USA

65 - Combined Assessment of Hemoglobin Concentration and Red Cell Distribution Width Is Useful for Predicting Prognosis in Patients With Chronic Heart Failure

Shin Kawasoe, Takuro Kubozono, Satoko Ojima, Masaaki Miyata, Mitsuru Ohishi, Department of Cardiovascular Medicine and Hypertension, Kagoshima University, Kagoshima, Japan

66 - Hemodynamic Determinants of Serum Chloride in Ambulatory Patients With Advanced Heart Failure

Justin Lee Grodin, Wilfried Mullens, Matthias Dupont, David Taylor, Paul McKie, Randall Starling, Jeffrey Testani, Wai Hong Tang, Cleveland Clinic, Cleveland, OH, USA

67 - Bone Mineral Density and Subsequent Development of Heart Failure in Older Adults: The Cardiovascular Health Study

Raymond Fohrman, David Brown, William J. H. Koh, Traci Bartz, Laura Carbone, Roberto Civitelli, Phyllis Stein, Paulo Chaves, Bryan Kestenbaum, Jorge Kizer, Washington University in St. Louis School of Medicine, Saint Louis, MO, USA

68 - Atrial Septal Aneurysm and Chiari Network Are NOT Innocent Bystanders: Association With Cardiomyopathy, Cardiac Conduction Abnormalities, and Arrhythmias Exist

Chad Ward, Lee Joseph, Hardik Doshi, Musab Alqasrawi, Brodie Marthaler, April Shewmake, Zubairu Josiah, Jennifer O'Loughlin Langstengel, Casey

Adams, Abraham Sonny, Nicole Worden, Prashant Bhawe, Michael Giudici, University of Iowa, Iowa City, IA, USA

69 - Left Ventricular False Tendons Are Associated With Left Ventricular Dilation and Impaired Left Ventricular Systolic and Diastolic Function

Michael E. Hall, Joseph A. Halinski, Thomas Skelton, Myrna N. Alexander, Michael Winniford, Ervin Fox, University of Mississippi Medical Center, Jackson, MS, USA

70 - Impact of Body Mass Index on the Accuracy of NT-ProBNP and BNP for Predicting Outcomes in Patients With Chronic Heart Failure and Reduced Ejection Fraction: Insights From the PARADIGM-HF Study

Wilson Nadruz Junior, Brian Claggett, John McMurray, Milton Packer, Michael Zile, Jean Rouleau, Akshay Desai, Karl Swedberg, Martin Lefkowitz, Victor Shi, Margaret Prescott, Scott Solomon, Brigham and Women's Hospital, Boston, MA, USA

71 - High-Sensitivity Cardiac Troponin I and Risk of Hospitalisation With Heart Failure in Patients With Suspected Acute Coronary Syndrome: A Cohort Study

Dominik Stelzle, Anoop Shah, Martin Denvir, Atul Anand, Fiona Strachan, Andrew Chapman, Nicholas Mills, David McAllister, BHF/University Centre for Cardiovascular Science, Edinburgh, United Kingdom, Centre for Population Health Sciences, Edinburgh, United Kingdom

72 - Association Between Galectin-3, Renal Function and Neutrophil Gelatinase-Associated Lipocalin in Ischemic Heart Failure Patients

Evangelos Oikonomou, Gerasimos Siasos, Sotirios Tsalamandris, Christine Chrysoshoou, Antigoni Miliou, Aimilios Kalampogias, Alexis Antonopoulos, Christina Mpiri, Theodoros Zografos, Georgios Marinos, Manolis Vavuranakis, Dimitris Tousoulis, 1st Department of Cardiology, 'Hippokratration' Hospital, University of Athens Medical School, Athens, Greece

85 - Exercise Atrial Function Analysis by Speckle Tracking in Heart Failure: Pathophysiological Implications on Right Ventricular to Pulmonary Circulation Uncoupling

Greta Generati, Tadafumi Sugimoto, Francesco Bandera, Eleonora Alfonzetti, Marta Pellegrino, Marco Guazzi, IRCCS Policlinico San Donato, Cardiology, University of Milano, Milano, Italy

86 - Increased Exercise Peripheral Extraction in Group 2 Pulmonary Hypertension and Exercise Oscillatory Ventilation

Greta Generati, Bandera Francesco, Marta Pellegrino, Valentina Labate, Valeria Donghi, Vincenzo Tufaro, Eleonora Alfonzetti, Marco Guazzi, IRCCS Policlinico San Donato, San Donato Milanese, Italy

87 - Cardiac Determinants of Right Ventricular Pressure-Flow Response to Exercise in Heart Failure: A Study by Combining Cardiopulmonary Exercise Testing and Exercise Echocardiography

Greta Generati, Francesco Bandera, Marta Pellegrino, Valentina Labate, Valeria Donghi, Vincenzo Tufaro, Eleonora Alfonzetti, Marco Guazzi, IRCCS Policlinico San Donato, San Donato Milanese, Italy

88 - Resting Heart Rate and Long-Term Outcomes in African Americans: Insights From the Jackson Heart Study

Kishan S. Parikh, Melissa Greiner, Adam DeVore, Chad Blackshear, Takeki Suzuki, Lesley Curtis, Joseph Maher, Adrian Hernandez, Emily O'Brien, Robert Mentz, Duke Clinical Research Institute, Durham, NC, USA

89 - Exercise Oscillatory Breathing Predicts Risk for Ventricular Tachycardia Independent of Ejection Fraction in Patients Undergoing Metabolic Stress Testing

Antonio Perez, Timothy Engelman, Yuping Wu, Wai Hong Tang, Cleveland Clinic, Cleveland, OH, USA

90 - Increased Lysyl Oxidase-Like 2 (LOXL2) Correlates With Ejection Fraction (EF) and BNP in Human Systolic Heart Failure

Hongyan Zhong, Amanda Mikels-Vigdal, Emmanuel Moreau, Jacqueline Dupret-Carruel, Preeti Lal, Victoria Smith, Ching-Pin Chang, Lina Yao, Gilead Sciences, Inc, Foster City, CA, USA, BioMérieux SA, Marcy l'Etoile, France



### 91 - CHA2DS2-Vasc Score and Adverse Events in Patients With Heart Failure and Sinus Rhythm

Siqin Ye, Min Qian, Bo Zhao, Gregory Lip, Richard Buchsbaum, Ralph Sacco, Bruce Levin, Marco Di Tullio, Douglas Mann, Patrick Pullicino, Ronald Freudenberger, John Teerlink, J.P. Mohr, Susan Graham, Arthur Labovitz, Conrado Estol, Dirk Lok, Piotr Ponikowski, Stefan Anker, John Thompson, Shunichi Homma, WARCEF Investigators, Columbia University Medical Center, New York, NY, USA

### 92 - Associations of Body Mass Index, Wasting Syndrome and Prognosis in Patients With Chronic Heart Failure

Tetsuji Morishita, Hiroyasu Uzui, Naoki Amaya, Kenichi Kaseno, Kentaro Ishida, Yoshitomo Fukuoka, Hiroyuki Ikeda, Naoto Tama, Kanae Hasegawa, Yuichiro Shiomi, Takayoshi Aiki, Akira Matsui, Moe Mukai, Jong-Dae Lee, Hiroshi Tada, University of Fukui, Fukui, Japan

### 93 - What Is the Best Model to Predict Incident Heart Failure?

Hong Yang, Kazuaki Negishi, Ying Wang, Mark Nolan, Faraz Pathan, Thomas Marwick, Menzies Institute for Medical Research, Hobart, Australia

### 94 - Heart Failure and Cardiovascular Risk in Patients With Systemic Lupus Erythematosus

Chang Kim, Sadeer Al-Kindi, Guilherme Oliveira, University Hospitals Case Medical Center, Cleveland, OH, USA, Case Western Reserve University, Cleveland, OH, USA

### 95 - Worsening Renal Function During Aggressive Heart Failure Management Is Not Associated With Poor Outcomes: Results From the Pro-BNP Outpatient Tailored Chronic Heart Failure Therapy (PROTECT) Study

Nasrien E. Ibrahim, Hanna K. Gaggin, Dustin J. Rabideau, James Januzzi, Massachusetts General Hospital, Boston, MA, USA

### 96 - Circulating miRNAs in Heart Failure

Wang Hua, Beijing Hospital, Beijing, People's Republic of China

### 97 - Prognostic Importance of Self-Reported Dyspnea for Cardiovascular Outcomes in Persons Without Prevalent Cardiovascular or Pulmonary Disease: The Atherosclerosis Risk in Communities Study

Mario Santos, Dalane Kitzman, Kunihiro Matsushita, Laura Loefer, Carla Sueta, Amil Shah, Division of Cardiovascular Medicine, Brigham and Women's Hospital, Boston, MA, USA

### 98 - Rapid Decline in Lung Function and Incident Heart Failure: The Atherosclerosis Risk in Communities Study

Odilson Marcos Silvestre, Wilson Nadruz Junior, Gabriela Querejeta Roca, Brian Claggett, Stephanie London, Laura Loefer, Scott Solomon, Amil Shah, Brigham and Women's Hospital, Boston, MA, USA

## Heart Failure and Cardiomyopathies - Poster Contributions

### Session #1103

#### Heart Failure and Cardiomyopathies: Medical Therapy

Saturday, April 2, 2016, 9:30 a.m. - 12:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

### 73 - Omega-3 PUFAs Improved Endothelial Function and Left Ventricle Global Longitudinal Strain in Patients With Systolic Heart Failure

Evangelos Oikonomou, Dimitrios Karlis, Theodoros Zografos, Gerasimos Siasos, Christina Chrysoschoou, Styliani Brili, George Lazaros, Alexis Antonopoulos, Efstathios Dimitropoulos, Petros Nihoyannopoulos, Dimitris Tousoulis, Cardiology Dpt Hippokraton Hospital Athens Medical School, Athens, Greece

### 74 - Inducing Diuresis in Patients With Congestive Heart Failure Through Regulated Expression of Engineered Atrial Natriuretic Peptides

Matthew Hillestad, Mayo Clinic, Rochester, MN, USA

75 - Rapid Onset of Potassium: Lowering With Sodium Zirconium Cyclosilicate (ZS-9) Across Patients Stratified by Race, Age, and Comorbidities in the Randomized, Double-Blind, Placebo-Controlled Phase 3 HARMONIZE Study  
Joseph S. Alpert, Bhupinder Singh, Jose Menoyo, Henrik Rasmussen, Mikhail Kosiborod, ZS Pharma, San Mateo, CA, USA

### 76 - Long-Term Effect of Early Enalapril Therapy on Causes of Death in Patients With Left Ventricular Dysfunction: A 27-Year Follow-Up of SOLVD in Belgium

Michel F. Rousseau, Philip Jong, Sylvie A. Ahn, Hubert Pouleur, University of Louvain, Brussels, Belgium, McMaster University, Hamilton, Canada

### 77 - Effective Hyperimmunoglobulin Treatment in CMV-Myocarditis

Bernhard Maisch, Sabine Pankuweit, Philipps Universität, Marburg, Germany

### 78 - Pentaglobin Treatment of PCR-Positive Parvo B19 Myocarditis

Bernhard Maisch, Hendrik Haake, Nadine Schlotmann, Reinhard C. Funck, Sabine Pankuweit, Philipps Universität, Marburg, Germany

### 79 - Benefit of Sacubitril/Valsartan Therapy in Clinically Stable Patients With Heart Failure and Reduced Ejection Fraction

Scott D. Solomon, John McMurray, Akshay Desai, Michael Zile, Karl Swedberg, Victor Shi, Martin Lefkowitz, Ricardo Rocha, Milton Packer, Brigham and Women's Hospital, Boston, MA, USA

### 80 - Achievement of Normokalemia in Heart Failure Patients Not on Renin:Angiotensin:Aldosterone System Inhibitors: Pooled Analysis From Two Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Trials of Sodium Zirconium Cyclosilicate for Treatment of Hyperkalemia

Mikhail Kosiborod, Bhupinder Singh, Jose Menoyo, Henrik Rasmussen, ZS Pharma, San Mateo, CA, USA

### 81 - Safety and Efficacy of Pro ANP 31-67 in CardioRenal Syndrome: A First-in-Human Trial

Sinny Delacroix, Ramesh Chokka, Adam Nelson, Samuel Sidharta, Karen Teo, Jonathan Tuke, Richard Upton, Paul E. Rolan, Stephen Worthley, University of Adelaide, Adelaide, Australia

### 82 - Effects of Exenatide on Cardiac Function, Perfusion, and Energetics in Type 2 Diabetic Patients With Cardiomyopathy: A Randomized Controlled Trial Against Insulin Glargine

Weena Jing Yan Chen, Michaela Diamant, Karin de Boer, Hendrik Harms, Lourens Robbers, Albert van Rossum, Mark Kramer, Adriaan Lammertsma, Paul Knaapen, VU University Medical Center, Amsterdam, The Netherlands

### 83 - Genomic Score to Target Therapy With a Fixed Dose Combination of Hydralazine and Isosorbide Dinitrate

Dennis M. McNamara, Arthur Feldman, Clyde Yancy, Anne Taylor, Daniel Dries, Karen Hanley-Yanez, Indrani Halder, for the GRAHF Investigators, University of Pittsburgh, Pittsburgh, PA, USA

### 84 - Ranolazine at the End of Trastuzumab Therapy Prevents Left Ventricular Dysfunction: In Vitro and In Vivo Study

Nicola Maurea, Carmela Coppola, Giovanna Piscopo, Domenica Rea, Gennaro Riccio, Gerolama Condorelli, Claudio Arra, Claudia de Lorenzo, Istituto Nazionale per lo Studio e la Cura dei Tumori Fondazione Giovanni Pascale, IRCCS, Italia, Naples, Italy



### Heart Failure and Cardiomyopathies - Moderated Poster

#### Contributions

#### Session #1123M

#### Everything About LVADs

Saturday, April 2, 2016, 10 a.m. - 12 p.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater,

Poster Area, South Hall A1

CME Hours: 2 /CNE Hours: 2

10:00 a.m.

Use of Mechanical Circulatory Support Leading to Heart Transplant Is Associated With Strokes in the Immediate Post-Transplant Period: Analysis of 59,170 Heart Transplants From the UNOS Database

Prasad C. Gunasekaran, Trenton Bickel, Deepak Parashara, University of Kansas, Kansas City, KS, USA, Kansas City VA Medical Center, Kansas City, MO, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Implantable Cardioverter Defibrillator Implantation Improves Outcome of Patients With Left Ventricular Assist Devices

Sahil Agrawal, Sudip Nanda, Lohit Garg, Yugandhar Manda, Amitoj Singh, Archana Sinha, Huseng Vefali, Abdullah Quddus, Jamshid Shirani, St Luke's University Health Network, Bethlehem, PA, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Body Mass Index and Outcomes of Patients Supported by the HeartWare Ventricular Assist System

Michael S. Kiernan, Samer Najjar, Emma Birks, Nir Uriel, Gregory Ewald, Katrin Leadley, Chetan Patel, HeartWare, Framingham, MA, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Trends, Predictors and Outcomes of Ischemic Stroke in Patients With a Left Ventricular Assist Device

Muhammad Shahreyar, Sanjay Bhandari, Navdeep Gupta, Sulaiman Sultan, Mohammad W. Bashir, Geetanjali Dang, Nasir Sulemanjee, Frank Downey, Vinay Thohan, Arshad Jahangir, Sheikh Khalifa bin Hamad Al Thani Center for Integrative Research on Cardiovascular Aging (CIRCA), Milwaukee, WI, USA, Medical College of Wisconsin, Milwaukee, WI, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Driveline Fractures in Patients With Left Ventricular Assist Devices: A Study of Clinical Course and Outcomes

Yuri Boyechko, Thomas Tribble, Maya Guglin, Division of Cardiovascular Medicine, University of Kentucky, Lexington, KY, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Cognitive Functioning Is Associated With Clinical Outcomes After LVAD Implantation

Kelly Bryce, Christina Tita, Celeste Williams, Jeffrey Morgan, Hassan Nemeh, Yelena Selektor, Jamil Borgi, Mauricio Velez, David Lanfear, Henry Ford Hospital, Detroit, MI, USA

11:25 a.m.

Question and Answer

11:30 a.m.

Evidence of Glycolysis Upregulation and Pyruvate Mitochondrial Oxidation Mismatch During Mechanical Unloading of the Failing Human Heart: Implications for Cardiac Reloading and Conditioning

Nikolaos Diakos, Sutip Navankasattusas, Jared Rutter, Josef Stehlik, Ralph Deberardinis, Stephen McKellar, Lauren McCreath, Peter Ferrin, Dylan Miller, Song Park, Russell Richardson, Abdallah Kfoury, Craig Selzman, Dean Li, James Fang, Stavros Drakos, University of Utah, Salt Lake City, UT, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Pre-Implant Coagulopathy and In-Hospital Mortality Among Advanced Heart Failure Patients Receiving Left Ventricular Assist Device: A United States National Study

Marjan Mujić, Nabila K. Mazumder, Wilbert S. Aronow, Dhaval Kolte, Sahil Khara, Tanush Gupta, Neha M. Paul, Sachin Sule, Gregg Lanier, Ali Ahmed, Robert G. Lerner, Diwakar Jain, Gregg Fonarow, Sumanth Prabhu, Howard Cooper, Alan Gass, William Frishman, Julio Panza, New York Medical College, Valhalla, NY, USA

11:55 a.m.

Question and Answer

ACC Poster Moderator: Stephen S. Gottlieb

ACC Poster Moderator: Scott C. Silvestry

### Heart Failure and Cardiomyopathies - International Session

#### Session #504

**Cardiomyopathies, Diabetes, and Heart Failure: International Perspectives From the British Cardiovascular Society, Japanese College of Cardiology, and American College of Cardiology**

Saturday, April 2, 2016, 12:15 p.m. - 1:45 p.m.

Room N427cd

CME Hours: 1.5 /CNE Hours: 0

Co-Chair: Paul J. Mather

Co-Chair: Sarah Catherine Clarke Kingdom

Co-Chair: Yukio Ozaki

12:15 p.m.

Introduction to Session

Paul J. Mather

12:20 p.m.

Heart Failure With Preserved Ejection Fraction in Diabetic Patients

Toshiaki Mano

Nishinomiya, Japan

12:31 p.m.

Risk Stratification of Sudden Death and AF in Hypertrophic Cardiomyopathy

Sanjay Sharma

London, United Kingdom

12:42 p.m.

Acute Heart Failure: An International Perspective

John R. Teerlink

San Francisco, CA

12:53 p.m.

Tachycardiomyopathy

A. John Camm

London, United Kingdom





1:04 p.m.  
Impact of Diabetic Medicine on Vascular and Heart Failure  
Hiroshi Ito  
Okayama, Japan

1:15 p.m.  
Discussion

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #619

**Improving Palliative Care for Patients With Heart Failure and Family  
Caregivers: Joint Symposium of the Heart Failure Society of America  
and the American College of Cardiology**

Saturday, April 2, 2016, 12:15 p.m. - 1:45 p.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Laura Gelfman  
Co-Chair: Nathan Goldstein

12:30 p.m.  
Communication in Heart Failure  
Laura Gelfman

12:45 p.m.  
Concurrent Care Models  
Timothy J. Fendler  
Kansas City, MO

1:00 p.m.  
Caregivers of Patients With Heart Failure  
Lorraine Evangelista  
Irvine, CA

1:15 p.m.  
What Are the Implications for Quality Metrics and National Policy?  
Marie Anne Bakitas  
Birmingham, AL

1:30 p.m.  
Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #620

**The Failing Right Ventricle in Heart Failure**

Saturday, April 2, 2016, 12:15 p.m. - 1:45 p.m.

Grand Ballroom S100bc

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Joann Lindenfeld  
Co-Chair: Marvin A. Konstam

12:15 p.m.  
Noninvasive Assessment of the Right Ventricle  
Jiwon Kim

12:30 p.m.  
Hemodynamic Evaluation of the Right Ventricle  
Barry Borlaug  
Rochester, MN

12:45 p.m.  
Right Heart Failure in HFpEF  
Mark H. Drazner  
Dallas, TX

1:00 p.m.  
Right Heart Failure in HFpEF  
Margaret M. Redfield  
Rochester, MN

1:15 p.m.  
Right Heart Failure After LVAD  
Gregory A. Ewald  
Saint Louis, MO

1:30 p.m.  
Drug and Device Treatment Strategies for Right Heart Failure  
Omar Wever-Pizon  
Salt Lake City, UT

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1136

**Heart Transplant and LVADs: New Approaches to Old Issues**

Saturday, April 2, 2016, 1:30 p.m. - 4:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

47 - Higher Levels of Asymmetric Dimethylarginine Are Associated With Lower Fractional Flow Reserve After Orthotopic Heart Transplantation  
Rushi Parikh, Kiran Khush, Helen Luikart, Vedant Pargaonkar, Yuhei Kobayashi, Janghoon Lee, Seema Sinha, Garrett Cohen, Hannah Valentine, Alan Yeung, William Fearon, Stanford University School of Medicine, Stanford, CA, USA

48 - The Impact of Angiotensin Converting Enzyme Inhibitors on Asymmetric Dimethylarginine in Orthotopic Heart Transplantation Recipients: A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial  
Rushi Parikh, Kiran Khush, Sean Sana, Tiffany Daun, Helen Luikart, Vedant Pargaonkar, Seema Sinha, Garrett Cohen, Hannah Valentine, Alan Yeung, Jon Kobashigawa, William Fearon, Stanford University School of Medicine, Stanford, CA, USA, Cedars-Sinai Medical Center, Los Angeles, CA, USA

49 - What Is the Current State of Palliative Care for Patients With TAVR and VAD? A Survey of ACC Members  
James N. Kirkpatrick, Kimberlee Gauvreau, Paul Hauptman, Sarah Goodlin, Stephanie Cooper, Kelli Bohannon, Richard Josephson, Keith Swetz, Mathew Maurer, Scott Hummel, Kelly Ann Light-McGroary, Abby Cestoni, Jorge Brenes Salazar, Caroline Doherty, Craig Alpert, Elizabeth Blume, American College of Cardiology, Washington, DC, USA, University of Pennsylvania, Philadelphia, PA, USA

50 - Intracardiac Echocardiography Is Useful in the Evaluation of Patients With Left Ventricular Assist Device Malfunction  
Giselle Adriana Baquero, Javier Banchs, Torrey Schmidt, Talal Moukabary, Ali Ghodsizad, Mario Gonzalez, Penn State Hershey Medical Center, Penn State College of Medicine, Hershey, PA, USA, Baylor Scott & White, Scott & White Memorial Hospital, Austin, TX, USA

51 - Evaluation of Left Ventricular Assist Device Dysfunction by Cardiac Computed Tomography Angiography  
Privesh Ashok Patel, Jared Christensen, Lynne M. Hurwitz, Carmelo Milano, Joseph Rogers, Chetan Patel, Melissa Daubert, Duke University Medical Center, Durham, NC, USA

52 - Association of Blood Types With Bleeding and Thromboembolic Events in Patients Receiving Continuous Flow Left Ventricular Assist Devices  
Michael Andrew Pfeffer, Amanda Bennett, Krista Marz, Lisa Tichenor, Mandy Bourgeois, Kayla Cusachs, Monchel Young, Sapna Desai, Stacy Mandras, Hamang Patel, Clement Eiswirth, Patrick Campbell, Hector Ventura, Selim Krim, John Ochsner Heart and Vascular Center, New Orleans, LA, USA



53 - Cardiac Allograft Sinus Tachycardia Is Associated With Impaired Exercise Tolerance

Eugenia Raichlin, Sara Varnado, Adam Burdorf, Ashley Huntsberry, Brian Lowes, Ronald Zolty, Hareeprasad Vongooru, Brook Fenske, Aleem Siddique, Michael Moulton, John Um, University of Nebraska Medical Center, Omaha, NE, USA

55 - Impact of Wait Times for Cardiac Transplantation on Outcomes After Implantation of Left Ventricular Assist Devices (LVAD)

David Ouyang, Gunsagar Gulati, Dipanjan Banerjee, Stanford University, Palo Alto, CA, USA

56 - Association of Medicaid Expansions With Access to Heart Transplantation and Ventricular Assist Device Therapy

Raymond Givens, Alanna Morris, Donna Mancini, P. Christian Schulze, Columbia University Medical Center, New York, NY, USA, Emory University School of Medicine, Atlanta, GA, USA

57 - Does Amiodarone Use Prior to Cardiac Transplantation Influence Post-Transplant Survival?

Salman Allana, Jinn-Ing Liou, Maryl Johnson, Peter Rahko, Shahab Akhter, Lucian Lozonschi, Ravi Dhinra, University of Wisconsin Hospital and Clinics, Madison, WI, USA

58 - How to Select the Candidates of Ventricular Assist Device Implantation Among Patients With INTERMACS Profile 4-7? A Comparison of Two Scoring Systems

Teruhiko Imamura, Koichiro Kinugawa, Daisuke Nitta, Osamu Kinoshita, Kan Nawata, Minoru Ono, Graduate School of Medicine, University of Tokyo, Tokyo, Japan

59 - Sex-Related Variations in In-Hospital Outcomes in Patients With Heart Failure Receiving Left Ventricular Assist Devices: Findings From Nationwide Inpatient Sample Study 2002-2012

Marian Mujić, Nabila K. Mazumder, Wilbert Aronow, Dhaval Kolte, Sahil Khara, Tanush Gupta, Prakash Harikrishnan, Sachin Sule, Diwakar Jain, Gregg Lanier, Ali Ahmed, Gregg Fonarow, Howard Cooper, Alan Gass, William Frishman, Sumanth Prabhu, Julio Panza, New York Medical College, Valhalla, NY, USA

60 - Longer Brain Death Duration Associated With Increased Acute Cellular Rejection After Heart Transplantation

Derek Phan, Tamar Aintablian, Jignesh Patel, David Chang, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

61 - The Epidemiology and Economic Burden of Advanced Stage Heart Failure in U.S. Medicare Beneficiaries

Jonathan Rich, Leslie Miller, Robin Bostic, John O'Connell, Mandeep Mehra, Northwestern University, Chicago, IL, USA, Brigham and Women's Hospital, Boston, MA, USA

62 - Mean Arterial Pressure to Central Venous Pressure Ratio: A Novel Marker for Right Ventricular Failure After Left Ventricular Assist Device Placement

Geetha Bhat, Burhan Mohamedali, Gardner Yost, Rami Doukky, Advocate Christ Medical Center, Oak Lawn, IL, USA, Rush University Medical Center, Chicago, IL, USA

63 - Angiographic Outcomes of Percutaneous Coronary Intervention With Everolimus-Eluting Stents for the Treatment of Cardiac Allograft Vasculopathy: De Novo Lesions Found on Subsequent Surveillance Angiography

Richard Cheng, Jon Kobashigawa, Christopher Vanichsarn, Raj Makkar, Mamoo Nakamura, Jignesh Patel, Babak Azarbal, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

64 - The Value of N-Terminal Pro-Brain Natriuretic Peptide After LVAD Implantation

Georges Abdul Karim Lolay, Maya Guglin, Bennet George, Kazuhiko Kido, University of Kentucky Medical Center, Lexington, KY, USA

65 - Prolonged Donor Heart Corrected QT Interval: Is There a Risk?

Derek Leong, Tamar Aintablian, Michelle Kittleson, Jignesh Patel, David Chang, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

66 - INTERMACS Profiles and Mortality Among Ambulatory Patients With Systolic Heart Failure

Ayman Samman Tahhan, Jeffrey Hedley, Andrew McCue, Jonathan Bjork, Nisarg Patel, Alanna Morris, Robert Cole, Divya Gupta, J. David Vega, Andrew Smith, Vasiliki Georgiopolou, Andreas Kalogeropoulos, Emory University School of Medicine, Atlanta, GA, USA

67 - Left Ventricular Assist Devices and Gastrointestinal Evaluation: Results of a Consecutive Case Series

Sultan Alotaibi, Till Neumann, West-German Heart and Vascular Center, University of Duisburg-Essen, Essen, Germany

68 - C1q Assay Is Not Completely Reliable to Predict a Positive Prospective Cytotoxic Donor-Specific Crossmatch Prior to Heart Transplantation

Michael X. Yang, Sean Sana, Jenna Rush, Tamar Aintablian, Michelle Kittleson, Dael Geft, Lawrence Czer, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

70 - Pre-Operative Pulmonary Function Tests and Outcomes Among Patients Receiving Left Ventricular Assist Devices

Usama Daimiee, Matthew Kottmann, Saadia Sherazi, Jeffrey Alexis, Leway Chen, University of Rochester Medical Center, Rochester, NY, USA

71 - The Burden and Impact of Sustained Ventricular Arrhythmias After Continuous-Flow Left Ventricular Assist Device Implantation

Sing-Chien Yap, Rahat Muslem, Faiz Ramjankhan, Nicolaas De Jonge, Alina A. Constantinescu, Olivier C. Manintveld, Tamas Szili-Torok, Kadir Caliskan, Erasmus Medical Center, Rotterdam, The Netherlands, University Medical Center Utrecht, Utrecht, The Netherlands

72 - Post-Heart Transplant Survival: Peripartum Cardiomyopathy Worse Than Other Forms of Dilated Cardiomyopathy

Joshua Thomas, Krong-On Pinyoluksana, Curtis Daniels, Elisa Bradley, Nationwide Children's Hospital, Columbus, OH, USA, The Ohio State University, Columbus, OH, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1137

#### Heart Failure and Cardiomyopathies: Surgical Approaches/LVADs

Saturday, April 2, 2016, 1:30 p.m. - 4:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

73 - Cost-Effectiveness Comparison of Intra Aortic Balloon Pump Versus Left Ventricular Assist Devices as Bridge to Heart Transplant Strategies

Javier Amione-Guerra, Kelli J. Elizondo, Laurie Loza, Arvind Bhimaraj, Barry Trachtenberg, Guha Ashrith, Myung Park, David Bernard, Jerry Estep, Houston Methodist Hospital, Houston, TX, USA

74 - Demographics and Temporal Trends of Implantable Ventricular Assist Devices in USA Since 2004: An Analysis of NIS Data

Gurpartap Singh Sidhu, Rupinder Singh Buttar, John H. Stroger Jr Hospital of Cook County, Chicago, IL, USA



75 - Deactivation of Ventricular Assist Devices: Who and When Results of an ACC Membership Survey

Elizabeth D. Blume, Kimberlee Gauvreau, Stephanie Cooper, Paul Hauptman, Sarah Goodlin, Scott Hummel, Richard Josephson, Caroline Doherty, Jorge Brenes Salazar, Mathew Maurer, Abby Cestoni, Kelly Ann Light-McGroary, Craig Alpert, James Kirkpatrick, Boston Children's Hospital, Boston, MA, USA, University of Washington Medical Center, Seattle, WA, USA

76 - Application of Risk Scores to Predict Outcomes in Patients With Left Ventricular Assist Devices the Interagency Registry for Mechanically Assisted Circulatory Support Database

Manreet Kanwar, Natasha Loghmanpour, Srinivas Murali, James Antaki, Allegheny General Hospital, Pittsburgh, PA, USA, Carnegie Mellon University, Pittsburgh, PA, USA

77 - Nationwide Differences in the Utilization of Mechanical Circulatory Support as Bridge to Transplantation in the United States

Sadeer G. Al-Kindi, Mahmoud Farhoud, Chantal Elamm, Mahazarin Ginwalla, Michael Zacharias, Rudolfo Benatti, Benjamin Medalion, Salil Deo, Soon Park, Guilherme Oliveira, University Hospitals Case Medical Center, Cleveland, OH, USA

78 - In-Hospital Resource Utilization Associated With Gastrointestinal Bleeding in Patients With Continuous Flow-Left Ventricular Assist Devices

Anthony Carnicelli, Anjali Thakkar, David Deicicchi, Andrew Storm, Jean Connors, MD, Gregory Couper, Mandeep Mehra, John Groarke, Michael Givertz, Brigham & Women's Hospital, Boston, MA, USA

79 - Preoperative Anemia, Thyroxine Levels, Creatinine Clearance and Beta-Blocker Use Are Associated With the Development of Vasoplegia After Heart Failure Surgery

Marieke van Vessem, Meindert Palmen, Lotte Couperus, Bart Mertens, Laurens Tops, Harriette Verwey, Robert Klautz, Martin Schali, Saskia Beeres, Leiden University Medical Center, Leiden, The Netherlands

80 - Effects of a Novel Implantable Counterpulsation Assist Device on Left Ventricular Mechanoenergetics: Comparison With the Intra-Aortic Balloon Pump in a Porcine Model of Acute Heart Failure

Christos Kontogiannis, Yiannis Nanas, Smaragdi Sarchosi, Christos Kapelios, Sotiris Marinakis, Dionysios Aravantinos, Ioannis Tachliabouris, Christos Charitos, Despina Perrea, John Nanas, Konstantinos Malliaras, University of Athens, School of Medicine, Athens, Greece

81 - Myocardial and End-Organ Response After Long-Term Mechanical Unloading With Continuous-Flow Left Ventricular Assist Device: Axial- Versus Centrifugal-Flow

Mohammad Al-Sarie, Asad Rauf, James Wever-Pinzon, Anna Catino, Josef Stehlik, Abdallah Kfoury, Stephen H. McKellar, Omar Wever Pinzon, Aaron Kelkhoff, Rami Alharethi, Bruce Reid, James Fang, Craig Selzman, Stavros Drakos, U.T.A.H. Utah Transplant Affiliated Hospitals, Salt Lake City, UT, USA

82 - Utility of Echocardiography in Defining Inflow Cannula Malposition in Left Ventricular Assist Device and the Association With Adverse Outcome

Mahwash Kassi, Carrie Eshelbrenner, Javier Amione-Guerra, Jerry Estep, Houston Methodist Hospital, Houston, TX, USA

83 - Positive Impact of Continuous Flow Left Ventricular Assist Device (LVAD) Implantation on Glycemic Control in Diabetic Patients With Advanced Systolic Heart Failure

Debbie Yen, Alyssa Vora, Mara Watson, Lindsey Burgess, Kristen Campbell, Duke University Hospital, Durham, NC, USA

84 - Predictors and Clinical Significance of Early Hospital Readmission in Left Ventricular Assist Device Patients

Valentina Kutvifa, Himabindu Vidula, Saadia Sherazi, Anna Papernov, Scott McNitt, Jeffrey Alexis, University of Rochester, Rochester, NY, USA

### Heart Failure and Cardiomyopathies - Poster Contributions

#### Session #1138

#### Heart Failure and Cardiomyopathies: Basic

Saturday, April 2, 2016, 1:30 p.m. - 4:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

85 - Cardiac Gene Expression Profile Distinguishes African-American and European-American Heart Failure Patients

Indrani Halder, Victoria Causer, Charles McTiernan, Bonnie Lemster, Ravi Ramani, Sumanth Prabhu, Mark Slaughter, Daniel Dries, George Tseng, Dennis McNamara, University of Pittsburgh, Pittsburgh, PA, USA

86 - Cardiac Beta-Arrestin2 Gene Transfer Stimulates Cardiac Function in Heart Failure via SERCA2a Potentiation

Anastasios Lymperopoulos, Katie A. McCrink, Angela Vu, Malika Jafferjee, Thairi Reyes Valero, Christine Marrero, Ava Brill, Xuipei Huang, Nova Southeastern University, Fort Lauderdale, FL, USA, Florida Atlantic University, Boca Raton, FL, USA

87 - Exosomes From the Human Placenta-Derived Amniotic Mesenchymal Stem Cells Restore the Injured Murine Myocardium

Michelle Santoso, Morteza Mahmoudi, Atsushi Tachibana, Raymond G. Sierra, Tsutomu Matsui, Andrew Goldstone, Bryan Edwards, Soichi Wakatsuki, Joseph Woo, Phillip Yang, Stanford University School of Medicine, Stanford, CA, USA

88 - Diabetes Mellitus Is Associated With Impaired Mitochondrial Oxidative Phosphorylation System and Increased Oxidative Stress in Human Atria

Larisa Emelyanova, Milanka Petrovic, Ekhson Holmuhamedov, Farhan Rizvi, Gracious Ross, David C. Kress, A. Jamil Tajik, Arshad Jahangir, Sheikh Khalifa bin Hamad Al Thani Center for Integrative Research on Cardiovascular Aging, Milwaukee, WI, USA

89 - Hsf1 Attenuates Pressure Overload Induced-Cardiac Fibrosis via Inhibiting Smad3 Phosphorylation and Nuclear Translocation

Ning Zhou, Yong Ye, Dao Wen Wang, Yunzeng Zou, Department of Internal Medicine and Hypertension Institute, Tongji Hospital, Tongji Medical College, Wuhan, People's Republic of China

90 - Absence of Cardiac Myosin Binding Protein-C Increases Inflammatory Damage to the Heart

Giuseppina Dusio, yang liu, Paola Rosas, Richard Tobin, M. Karen Newell-Rogers, Carl Tong, College of Medicine, Texas A&M University Health Science Center, Temple, TX, USA, Baylor Scott & White HealthCare, Temple, TX, USA

91 - MicroRNA-21 Upregulation Contributes to Right Ventricular Failure Through Phosphatase and Tensin Homolog-Driven Fibrosis

Jeffery Powers, Mitsuru Seki, John Holten, Anthony Poidomani, Dalia Al-Bataineh, Dhruv Chotalia, Lydia Kim, Abdelkarim Sabri, Fabio Recchia, Emily Tsai, Temple University Lewis Katz School of Medicine, Philadelphia, PA, USA, Columbia University College of Physicians and Surgeons, New York, NY, USA

92 - Role of S100a8 and S100a9 Alarmins in Cocksackievirus B3-Induced Myocarditis

Carsten Tschoepe, Irene Müller, Thomas Vogl, Burkert Pieske, Sophie Van Linthout, Charité, Berlin, Germany, Berlin

93 - Pediatric Cardiomyopathy Mutations in a Highly Consanguineous Population

Akl C. Fahed, Şükrü Candan, Alireza Haghighi, Steven DePalma, Barbara McDonough, Betül Erer, Ahmet Ekmekçi, Helen Bornaun, Kazum Öztarhan, Hatip Aydin, Jonathan Seidman, Christine Seidman, Department of Genetics, Harvard Medical School, Boston, MA, USA





94 - Increased Myostatin Is Associated With Decreased a.m.PK and Worsened Cardiac Function in Heart Failure With Previous Insulin Resistance  
Estibaliz Castillero, Ruiping Ji, Samantha Wu, Hirokazu Akashi, Catherine Wang, Ziad Ali, H Lee Sweeney, P. Christian Schulze, Isaac George, College of Physicians and Surgeons of Columbia University, New York, NY, USA, University of Florida, Gainesville, FL, USA

95 - Rapamycin Polymer Nanotherapeutics for Pulmonary Hypertension Treatment  
Victor Segura-Ibarra, Javier Amione-Guerra, Ana S. Cruz-Solbes, Guillermo Torre-Amione, Keith Youker, Guha Ashrith, Elvin Blanco, Houston Methodist Research Institute, Houston, TX, USA, Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, USA

96 - Extracellular Matrix Turnover Is Not Related to the Duration of the Disease in Dilated Cardiomyopathy  
Pawel Rubis, Sylwia Wisniewska-Smialek, Ewa Wypasek, Lucyna Rudnicka-Sosin, Barbara Biernacka-Fijalkowska, Artur Kozanecki, Piotr Podolec, Department of Cardiac and Vascular Diseases, John Paul II Hospital, Krakow, Poland

97 - Pressure-Overload Induced LV Hypertrophy and Dysfunction: Critical Roles of CaMKII and p38 MAP Kinase in ER Stress Signaling Pathway  
Xing Chen, Guangming Cheng, Shiming Liu, Sheng Ye, Lin Zhao, Anweshan Samanta, Anja Browning, Robert Vincent, Yanjuan Yang, Jeryl Hauptman, Buddhadeb Dawn, The University of Kansas Medical Center, Kansas City, KS, USA, Second Affiliated Hospital of Guangzhou Medical University, Guangzhou, Guangdong, People's Republic of China

98 - Cardiac Hypertrophy Is Exacerbated in Aged Mice Lacking the Osteoprotegerin Gene  
Toshihiro Tsuruda, Yilin Hao, Syuji Kurogi, Midori Nakamura, Nobuyuki Udagawa, Etsuo Chosa, Yujiro Asada, Kazuo Kitamura, University of Miyazaki, Miyazaki, Japan, Matsumoto Dental University, Shiojiri, Japan

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #634

#### Hypertrophic Cardiomyopathy: Contemporary Management of a Treatable Genetic

Saturday, April 2, 2016, 2 p.m. - 3:30 p.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Barry J. Maron  
Co-Chair: Harry Rakowski

2:00 p.m.  
Defining the Phenotype and Not Missing the Phenoco  
Carolyn Yung Ho

2:15 p.m.  
Genetic Testing for HCM: Why, How and How much?  
Anjali Owens  
Philadelphia, PA

2:30 p.m.  
Imaging for HCM: The Role of MRI  
Martin S. Maron  
Boston, MA

2:45 p.m.  
Communicating With Patients and Families Re: HCM  
Clyde W. Yancy  
Chicago, IL

3:00 p.m.  
Medical vs. Surgical Management of HCM  
Mark V. Sherid  
New York, NY

3:15 p.m.  
Sudden Death in HCM  
Hasan Garan  
New York, NY

### Heart Failure and Cardiomyopathies - Scientific Session Session #635

#### Diet and Life Style Modification in Heart Failure

Saturday, April 2, 2016, 2 p.m. - 3:30 p.m.

Grand Ballroom S100bc

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Lee R. Goldberg  
Co-Chair: Joann Lindenfeld

2:00 p.m.  
Salt Restriction in Heart Failure, Controversies and Practical Approaches  
Javed Butler

2:15 p.m.  
Which Diet Strategies Are Beneficial in Heart Failure? From Mediterranean to Dash Diet  
Biykem Bozkurt  
Houston, TX

2:30 p.m.  
Weight Loss in Heart Failure Patients With Obesity , Should Obese Heart Failure Patients Lose Weight and How  
Tamara Horwich  
Los Angeles, CA

2:45 p.m.  
What Type of Exercise Is Recommended in Patients With Heart Failure ?  
Evidence to Practice  
Ileana L. Pina  
Bronx, NY

3:00 p.m.  
Lifestyle Changes With Ventricular Assist Device  
Candice Falls  
Scottsville, KY

3:15 p.m.  
Question and Answer

### Heart Failure and Cardiomyopathies - Moderated Poster Contributions

#### Session #1160M

#### Hemodynamics in Heart Failure: What's New?

Saturday, April 2, 2016, 3:45 p.m. - 4:30 p.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater,  
Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

3:45 p.m.  
Impact of Blood Volume Quantification on Decongestion Strategy, Readmission Rates (RR), and Mortality in Hospitalized Heart Failure Patients (HHF)  
John E. Strobeck, Wayne L. Miller, The Heart-Lung Center, Hawthorne, NJ, USA, Mayo Clinic, Rochester, MN, USA



3:55 p.m.

Question and Answer

4:00 p.m.

Association of Changes in Hemodynamic Indices of Contractile Function With Clinical Outcomes During Treatment of Acute Decompensated Heart Failure  
Eliany Mejia Lopez, Kenneth Bilchick, James Bergin, Jose Tallaj, Jamie Kennedy, Mohammad Abuannadi, Pamela C. Kimeto, Sula Mazimba, University of Virginia, Charlottesville, VA, USA, University of Alabama, Birmingham, AL, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Non-Invasive Lung IMPEDANCE-Guided Preemptive Treatment in Chronic Heart Failure Patients: A Randomized Controlled Trial (IMPEDANCE-HF Trial)  
Michael Shochat, Avraham Shotan, Ilia Kleiner, Iris Dahan, Mark Kazatsker, Aya Asif, David Blondheim, Yoseph Rozenman, Jean Marc Weinstein, Simcha Meisel, Hillel Yaffe Heart Institute, Hadera, Israel, Soroka University Medical Center, Beer Sheva, Israel

4:25 p.m.

Question and Answer

ACC Poster Moderator: Kirkwood F. Adams

ACC Poster Moderator: Jesus Almendral

### Heart Failure and Cardiomyopathies - Clinical Focus

#### Session #1600

#### The Great 'K' Debate: Optimization of Heart Failure Pharmacotherapy

Saturday, April 2, 2016, 6 p.m. - 8:30 p.m.

Room S401

CME Hours: 2.5 /CNE Hours: 2.5

6:00 p.m.

Dinner

Chair: Alison Bailey

6:30 p.m.

Introduction to Session and ARS Technology

Alison Bailey

Chattanooga, TN

6:45 p.m.

Heart Failure Management: Why We Struggle to Follow the Guidelines

Alison Bailey

Chattanooga, TN

6:55 p.m.

The Research Says: Optimization of Pharmacological Therapies Old and New

Sean Patrick Pinney

New York, NY

Case Presenter: Peter A. McCullough

Case Presenter: Bertram Pitt

Case Presenter: Navin Rajagopalan

Case Presenter: Hector O. Ventura

Case Presenter: Sean Patrick Pinney

7:45 p.m.

Panel Discussion

Panelist: Peter A. McCullough

Panelist: Bertram Pitt

Panelist: Navin Rajagopalan

Panelist: Alison Bailey

Panelist: Sean Patrick Pinney

8:15 p.m.

Concluding Remarks

Alison Bailey

Chattanooga, TN

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #659

#### Heart Failure Patient and Limited Resources: A Case-Based Approach

Sunday, April 3, 2016, 8 a.m. - 9:30 a.m.

Room S406b

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Candice Falls

Co-Chair: Gordon R. Reeves

Panelist: Candice Falls

Panelist: Lacey Buckler

Panelist: Michael Chen

Panelist: Alexander George Truesdell

Panelist: Marvin A. Konstam

Panelist: Gordon R. Reeves

Panelist: Linda L. Tavares

8:00 a.m.

Case Presentation: Uninsured, Divorced, Alcoholic!

Candice Falls

Scottsville, KY

8:05 a.m.

Medication and Provider Access Without Money and Insurance

Allen S. Anderson

Chicago, IL

8:15 a.m.

Social Isolation

Lacey Buckler

Lexington, KY

8:25 a.m.

Caring for Patients With Mental and Substance Abuse Issues

Alexander George Truesdell

McLean, VA

8:35 a.m.

Panel Discussion

8:45 a.m.

Case Presentation: Obese, Unfit, Poor!

Candice Falls

Scottsville, KY

8:50 a.m.

How to Exercise if I Can't Do Anything??

Gordon R. Reeves

Elkins Park, PA

9:00 a.m.

HF, Obese, and Poor: What to Eat? What to Drink? What Not to Drink?

Michael Chen

Seattle, WA



9:10 a.m.

How to Reduce the Stress: Yoga? What Else?

Linda L. Tavares

Midlothian, VA

9:20 a.m.

Panel Discussion

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #660

#### Diet and Exercise in Heart Failure: Let's Debate!

Sunday, April 3, 2016, 8 a.m. - 9:30 a.m.

Grand Ballroom S100a

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Javed Butler

Co-Chair: Lee R. Goldberg

8:00 a.m.

If You Have Heart Failure, Exercise Does Not Matter

John G. F. Cleland Kingdom

8:12 a.m.

If You Have Heart Failure, You Should Exercise

Ileana L. Pina

Bronx, NY

8:24 a.m.

Rebuttal, Pro

8:27 a.m.

Rebuttal, Con

8:30 a.m.

Obesity Paradox in Heart Failure Is a Fact of Life

David Aguilar

Houston, TX

8:42 a.m.

Obesity Paradox is a Statistical Artifact

Maya E. Guglin

Tampa, FL

8:54 a.m.

Rebuttal, Pro

8:57 a.m.

Rebuttal, Con

9:00 a.m.

Salt is Bad for You and Your Heart

Anita Deswal

Bellaire, TX

9:12 a.m.

Salt is Good for You!

Javed Butler

Atlanta, GA

9:24 a.m.

Rebuttal, Pro

9:27 a.m.

Rebuttal, Con

### Heart Failure and Cardiomyopathies - Oral Contributions

#### Session #903

#### Highlighted Original Research: Heart Failure, Cardiomyopathies and the Year in Review

Sunday, April 3, 2016, 8 a.m. - 9:30 a.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Marc J. Semigran

Co-Chair: Celeste T. Williams

8:00 a.m.

Year in Review Speaker

Christopher M. O'Connor

8:15 a.m.

Decreasing Hospital Utilization of a High Risk Heart Failure Population in a Large Urban Accountable Care Organization: The Use of a Clinical Pharmacist, Serial Biomarkers, and Point of Care Ultrasound

Ilan Kedar, Kade Birkeland, Raymond Zimmer, Ronald Halbert, Nareg Minissian, Raj Khandwalla, Cedars Sinai Heart Institute, Beverly Hills, CA, USA, Cedars Sinai Medical Group, Beverly Hills, CA, USA

8:27 a.m.

Discussion

8:30 a.m.

Improved Quality of Life Scores and Exercise Capacity With Remote Pulmonary Artery Pressure Monitoring in Patients With Chronic Heart Failure  
Amit Alam, Rita Jermyn, Megan Joseph, Snehal Patel, Ulrich Jorde, Omar Saeed, North Shore University Hospital, Manhasset, NY, USA, Albert Einstein College of Medicine - Montefiore, Bronx, NY, USA

8:42 a.m.

Discussion

8:45 a.m.

Regional Differences in Outcomes of Heart Failure Hospitalization in the United States: A Contemporary Nationwide Analysis  
Nilay Kumar, Anurag Mehta, Rohan Khera, Neetika Garg, Ambarish Pandey, Cambridge Health Alliance/Harvard Medical School, Cambridge, MA, USA, University of Texas Southwestern Medical Center, Dallas, TX, USA

8:57 a.m.

Discussion

9:00 a.m.

NEOD001 Demonstrates Cardiac and Renal Biomarker Responses in a Phase 1/2 Study in Patients With Amyloid Light Chain Amyloidosis and Persistent Organ Dysfunction

Michaela Liedtke, Raymond Comenzo, Heather Landau, David Seldin, Brendan Weiss, Jeffrey Zonder, Jackie Walling, Gene Kinney, Martin Koller, Morie A. Gertz, Stanford University School of Medicine, Stanford, CA, USA

9:12 a.m.

Discussion

9:15 a.m.

A Cost-Effectiveness Analysis in the US of LCZ696 (Sacubitril/Valsartan) Versus Renin-Angiotensin-Aldosterone System Inhibition for Heart Failure Patients With Reduced Ejection Fraction

Thomas A. Gaziano, Gregg Fonarow, Brian Claggett, Milton Packer, Michael Zile, Karl Swedberg, Jean Rouleau, John McMurray, Wing Chan, Stuart Turner, Celine Deschaseaux, Scott Solomon, Brigham & Women's Hospital, Boston, MA, USA

9:27 a.m.

Discussion



## Heart Failure and Cardiomyopathies - Poster Contributions

## Session #1171

## Acute Heart Failure: From Door to Discharge and Back Again

Sunday, April 3, 2016, 9:30 a.m. - 12:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

47 - Severity of Acute Kidney Injury During Hospitalization as a Prognostic Factor in Patients With Acute Decompensated Heart Failure: Data From the Korean Acute Heart Failure (KORAHF) Registry

Sung Woo Cho, Ga Yeon Lee, Eun-Seok Jeon, Minsun Kim, Haseong Chang, Jin-Oh Choi, Heart Vascular Stroke Institute, Samsung Medical Center, Seoul, South Korea, Sungkyunkwan University School of, Seoul, South Korea

48 - The Relationship Between Body Weight Change During Hospitalization for Acute Heart Failure and Patient Characteristics, Markers of Congestion, and Outcomes: Findings From ASCEND-HF

Andrew P. Ambrosy, Paul W. Armstrong, Javed Butler, Lukasz Cerbin, Adrian Coles, Adam DeVore, Justin A. Ezekowitz, Marat Fudim, Stephen Greene, Adrian Hernandez, Christopher O'Connor, Dr. Philip Schulte, Randall Starling, John Teerlink, Adrian A. Voors, Robert Mentz, Duke University Medical Center, Durham, NC, USA

49 - Assessment of Time to Hospital Encounter After an Initial Hospitalization for Heart Failure: Results From a Tertiary Medical Center

Nicolas W. Shammass, Ryan Kelly, Chris Beuthin, Jackie Carlson, Marti Cox, Ram Niwas, Jon Lemke, Genesis Medical Center, Davenport, IA, USA, Midwest Cardiovascular Research Foundation, Davenport, IA, USA

50 - End of Life Healthcare Costs in Heart Failure: Differences Based on Race/Ethnicity

Jason P. Swindle, Engels Obi, Stuart Turner, Patricia A. Russo, Chun-Lan Chang, Cori Blauer-Peterson, Lynn Wachha, Aylin Altan, Optum, Inc., Eden Prairie, MN, USA, Novartis Pharmaceuticals Corporation, East Hanover, NJ, USA

52 - Using Technology to Reduce Readmission Rates for Congestive Heart Failure in High Risk Patients

Lou Vadlamani, Kelley Anderson, Seema Kumar, Avera St. Lukes, Aberdeen, SD, USA

53 - Homelessness Is an Independent Risk Factor for Heart Failure Readmission

Evan Shalen, Gregory J. Patts, Janice Weinberg, George Philippides, University of California, San Francisco, San Francisco, CA, USA, Boston University School of Medicine, Boston, MA, USA

54 - Lower Serum Chloride Is Associated With Lower Diuretic Efficiency and Adverse Post-Discharge Outcomes: Insights From ROSE-AHF

Justin Lee Grodin, Jie-Lena Sun, Kevin Anstrom, Horng Chen, Randall Starling, Jeffrey Testani, Wai Hong Tang, Cleveland Clinic, Cleveland, OH, USA

55 - Impact of Stakeholder-Driven Institutional Changes on Heart Failure Outcomes

Jacquelyn-My Do, Samantha Ly, Jason Brown, Jacob Joseph, VA Boston Healthcare System, West Roxbury, MA, USA

56 - Does the Severity of Peripheral Oedema Affect the Mortality of Patients Presenting With Acute Heart Failure? A Deep Dive Into the National Heart Failure Audit

Ahmad Shoaib, Ali Raza, Joseph John, Theresa McDonagh, Aminat Shote, Andrew Clark, John Cleland, University of Hull, Kingston upon Hull, United Kingdom, National Institute of Cardiovascular outcomes Research, London, United Kingdom

57 - Relation Between Hemodynamic Parameters on Admission and Worsening Renal Function (WRF) in Early Phase in Patients With Acute Decompensated Heart Failure (ADHF)

Yuichi Kawase, Kazushige Kadota, Takeshi Tada, Takeshi Maruo, Harumi Katoh, Department of Cardiovascular Medicine, Kurashiki Central Hospital, Kurashiki, Japan

58 - Estimating the Impact of CMS' 2-Midnight Rule on Reimbursements for Heart Failure Admissions

Kimberly N. Hong, Natalia Egorova, Anuradha (Anu) Lala-Trindade, Aurelie Merlo, Mark Russo, Sean Pinney, Mount Sinai Medical Center, New York, NY, USA

59 - Prognostic Impact of Fat Volume in Patients Admitted for Acute Decompensated Heart Failure With Reduced or Preserved Left Ventricular Ejection Fraction

Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Takumi Kondo, Tatsuhisa Ozaki, Yoshihiro Sato, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

60 - Model of End-Stage Liver Disease Excluding INR (MELD-XI) Scoring System Provides the Additional Long-Term Prognostic Information to ADHERE Risk Level in Patients Admitted With Acute Decompensated Heart Failure

Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Takumi Kondo, Tatsuhisa Ozaki, Yoshihiro Sato, Masahiro Seo, Iyo Ikeda, Eiji Fukuhara, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

61 - Changes in Pulmonary Artery Pressure Over Time Predict Risk of Heart Failure Hospitalization

Akshay S. Desai, Philip Adamson, Lynne Stevenson, John Henderson, Greg Ginn, Jordan Bauman, William Abraham, Brigham and Women's Hospital, Boston, MA, USA

62 - Comparative Effects of Milrinone and Olprinone in Patients With Congestive Heart Failure

Shintaro Dobashi, Ippei Watanabe, Shingo Matsumoto, Takayuki Yabe, Rine Nakanishi, Takanori Ikeda, Dept. of Cardio. Medicine, Toho Univ., Tokyo, Japan

63 - Predictive Value of Changes in Serum Sodium in Patients With Acute Decompensated Heart Failure: The Atherosclerosis Risk in Communities Study

Jan Griffin, Lisa Wruck, Rachel K. Silverman, Laura Loehr, Stuart Russell, Kunihiro Matsushita, Sunil Agarwal, Anita Deswal, Wayne Rosamond, Patricia Chang, University of North Carolina, Chapel Hill, NC, USA

64 - Progressive Hyponatremia During Heart Failure Treatment Provides the Long-Term Prognostic Information in Patients Admitted With Acute Decompensated Heart Failure, Regardless of Reduced or Preserved Left Ventricular Ejection Fraction

Takahisa Yamada, Takashi Morita, Yoshio Furukawa, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Takumi Kondo, Tatsuhisa Ozaki, Masahiro Seo, Yoshihiro Sato, Iyo Ikeda, Eiji Fukuhara, Masatake Fukunami, Osaka General Medical Center, Osaka, Japan

65 - Assessing Left Ventricular Filling Pressure Using Finger Photoplethysmography During the Valsalva Maneuver Predicts 30-Day Heart Failure Outcomes

Nisha A. Gilotra, Brett Wanamaker, Hussein Rahim, Katherine Kunkel, Saadia Rizvi, Steven Schulman, Ryan Tedford, Stuart Russell, Harry A. Silber, Johns Hopkins Hospital, Baltimore, MD, USA

66 - Bioactive Adrenomedullin: A Novel Prognostic Marker in Cardiogenic Shock

Mercedes Rivas Lasarte, Heli Tolppanen, Johan Lassus, Alessandro Sionis Green, Veli-Pekka Harjola, Alexandre Mebazaa, Heart and Lung Center, Helsinki University Hospital, Helsinki, Finland, Hospital de la Santa Creu i Sant Pau, Universidad Aut6noma de Barcelona, Barcelona, Spain





67 - Home Telemonitoring to Improve Disease Management and Clinical Outcomes in Patients With Heart Failure: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

Mohamad Lazkani, Santosh Desai, May Boggess, Herman Feringa, Akil Loli, Banner University Medical Center, Phoenix, AZ, USA

68 - Favorable Effects of Early Administration of Tolvaptan in Elderly Patients With Repeat Hospitalizations for Acute Decompensated Heart Failure

Masaki Kinoshita, Hideki Okayama, Go Kawamura, Tatsuya Shigematsu, Tatsunori Takahashi, Yoshitaka Kawada, Go Hiasa, Tadakatsu Yamada, Yukio Kazatani, Department of Cardiology, Ehime Prefectural Central Hospital, Kasugamachi 83, Matsuyama, Japan

70 - A Noninvasive Hand-Held Device Identifies Elevated Left Ventricular Filling Pressure Using Finger Photoplethysmography During the Valsalva Maneuver

Panagis Galiatsatos, Theingi Win, Jennifer Monti, Peter Johnston, William Herzog, Jeffrey Trost, Chao-Wei Hwang, Nae-Yuh Wang, Harry Silber, Johns Hopkins Medicine, Baltimore, MD, USA, National Institutes of Health, Bethesda, MD, USA

71 - Chronic Opioid Use Is Associated With Significant Higher 12-Month All-Cause Readmission and All-Cause Mortality but Not Associated With 30-Day All-Cause Readmission or All-Cause Mortality in Older Medicare Beneficiaries Hospitalized for Heart Failure

Raymond K. Young, Sarah Goodlin, Wen-Chih Wu, Charity Morgan, Sijian Zhang, Donna Bearden, Marc Blackman, Ross Fletcher, Cynthia Brown, Gregg Fonarow, Prakash Deedwania, Wilbert Aronow, Ioannis Kanonidis, Richard Allman, Ali Ahmed, Medstar Washington Hospital/Medstar Georgetown University Hospital, Washington, DC, USA, Washington DC VA Medical Center, Washington, DC, USA

72 - Discharge Home Health Referral Is Associated With Higher Post-Discharge 30-Day All-Cause Readmission and All-Cause Mortality Among Older Medicare Beneficiaries Hospitalized for Heart Failure

Chakradhari Inampudi, Helen Sheriff, Sijian Zhang, Charity Morgan, Christine Ritchie, Marc Blackman, Prakash Deedwania, Gregg Fonarow, Javed Butler, Wen-Chih Wu, Wilbert Aronow, Ross Fletcher, Richard Allman, Ali Ahmed, Washington VA, Washington, DC, USA, University of Iowa, Iowa, IA, USA

85 - Heart Failure Readmission Risk Prediction: Evaluation on Different Approaches for Patient Level Profiling of Readmission

Connie Lewis, Pikki Lai, Zachary L. Cox, Daniel Lenihan, Vanderbilt University Medical Center, Nashville, TN, USA

86 - Association of Venoarterial Extra-Corporeal Membrane Oxygenation Cannulation Site With Weaning Time and Survival

Walter S. Speidl, Georg Goliash, Christian Roth, Lore Schrutka, Steinlechner Barbara, Gerald Maurer, Herbert Koinig, Klaus Distelmaier, Medical University of Vienna, Vienna, Austria

87 - Discharge St2 Predicts Heart Failure Readmissions in Patients With Acute Decompensated Heart Failure

Javier Amione-Guerra, Andrea Cordero-Reyes, Ahmed Soliman, Arvind Bhimaraj, Barry Trachtenberg, Guha Ashrith, Mohamed El-Beheary, John Baird, Vijay Nambi, Jerry Estep, Houston Methodist Hospital, Houston, TX, USA

90 - Obesity Paradox in Patients With Heart Failure Readmissions: An Analysis From AHA "Get With the Guidelines" Heart Failure

Alex Mulmi, Nayan Desai, Krystal Hunter, Cooper Medical School of Rowan University, Camden, NJ, USA

91 - Community Health Workers Reduce Readmissions in a High Risk Heart Failure Population

Gurusher S. Panjra, Linda Bostrom, Qusai Al-Saleh, Stephen Robie, Scott Baute, Michael Rhein, Richard Katz, George Washington University School of Medicine and Health Sciences, Washington, DC, USA

92 - Prevalence, Clinical Profile and Short-Term Prognosis of Interatrial Block in Patients Admitted for Worsening of Heart Failure

Jesus Alvarez-Garcia, Albert Massó-van Roessel, Miquel Vives-Borras, Andreu Ferrero-Gregori, Manuel Martínez-Sellés, Antonio Bayés de Luna, Juan Cinca, on behalf of the REDINSCOR investigators, Cardiology Department, Hospital de la Santa Creu i Sant Pau, Autonomus University of Barcelona, Barcelona, Spain, Cardiology Department, Hospital Universitario Gregorio Marañón, Madrid, Spain

93 - Early (1-10 Days) Readmission Is Associated With a Significantly Lower 2-12 Months Post-Discharge All-Cause Mortality Among Older Medicare Beneficiaries Hospitalized for Heart Failure With 30-Day All-Cause Readmissions

Phillip Hong Lam, Cherinne Arundel, Rahul Khosla, Charity Morgan, Sijian Zhang, Charles Faselis, Wen-Chih Wu, Marc Blackman, Ross Fletcher, Gregg Fonarow, Prakash Deedwania, Javed Butler, Wilbert Aronow, Maciej Banach, John Parissis, Stefan Anker, Richard Allman, Ali Ahmed, Washington DC Veterans Affairs Medical Center, Washington, DC, USA, Medstar Georgetown University Hospital / Washington Hospital Center, Washington, DC, USA

94 - Discriminatory Power of Intensive Care Unit Scoring Systems for Outcome Prediction in Patients Undergoing Extracorporeal Membrane Oxygenation Following Cardiovascular Surgery

Lore Schrutka, Georg Goliash, Christian Roth, Binder Christina, Gottfried Heinz, Irene Lang, Gerald Maurer, Herbert Koinig, Barbara Steinlechner, Alexander Niessner, Klaus Distelmaier, Medical University of Vienna, Vienna, Austria

95 - Prognostic Value of Right-Sided Volume Overload in Patients Presenting With Acute Heart Failure: Insights From ASCEND-HF

Kishan S. Parikh, Adam DeVore, Allison Dunning, Robert Mentz, Phillip Schulte, Paul Armstrong, Wai Hong Tang, Justin Ezekowitz, John McMurray, Adriaan Voors, Mark Drazner, Christopher O'Connor, Adrian Hernandez, Chetan Patel, Duke Clinical Research Institute, Durham, NC, USA

96 - Feasibility and Effectiveness of a Multidisciplinary Team Approach in Refractory Cardiogenic Shock: A Prospective Pilot Study

Byung-Soo Ko, Anwar Tandar, Tae Soo Kang, Stephen McKellar, Josef Stehlik, Greg Stoddard, Jack Morshedzadeh, Antigone Koliopoulou, Edward Gilbert, Jose Nativi-Nicolau, Omar Wever-Pinzon, Rashmee Shah, James Fang, Craig Selzman, Frederick Welt, Stavros Drakos, University of Utah, Salt Lake City, UT, USA

98 - The Burden of Acute Kidney Injury on Children Hospitalized With Heart Failure

Kunal Karani, Mark Mitsnefes, Stuart Goldstein, John Jefferies, David Morales, Farhan Zafar, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

### Heart Failure and Cardiomyopathies - Poster Contributions Session #1172

#### Heart Failure and Cardiomyopathies: Transplantation/Stem Cells/Catheter Based Therapies

Sunday, April 3, 2016, 9:30 a.m. - 12:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

73 - Improved Left Ventricular Function in Ischemic Heart Failure Patients After Percutaneous Left Ventricular Partitioning System Implantation: An Analysis From the PARACHUTE China Study

Vivian G. Ng, Lissa Sugeng, Alexandra Lansky, Mary Jo Rizzo, Yong Huo, YueJin Yang, Runlin Gao, Yale University School of Medicine, New Haven, CT, USA

74 - Bendavia (Elamipretide) Restores Phosphorylation of Cardiac Myosin Binding Protein C on Serine 282 and Improves Left Ventricular Diastolic Function in Dogs With Heart Failure

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



### 75 - Regional Differences in Pediatric Cardiac Graft Utilization and Trends Over Time

Asma M A Khan, Raj Sahulee, Lisa Nicholson, Irene Lytrivi, Icahn School of Medicine at Mount Sinai, New York, NY, USA

### 76 - Angiotensin-Converting Enzyme Inhibition Early After Cardiac Transplantation: A Multi-Center, Randomized, Double-Blind Trial Comparing Ramipril Versus Placebo

Yuhei Kobayashi, Kozo Okada, Kiran Khush, Sean Sana, Tiffany Daun, Seema Sinha, Garrett Cohen, Yasuhiro Honda, Helen Luikart, Hannah Valentine, Alan Yeung, Jon Kobashigawa, William Fearon, Stanford University Medical Center, Stanford, CA, USA

### 78 - Successful Cardiac Transplantation Outcomes in Patients With Adult Congenital Heart Disease: A Team Based Approach

Jonathan Menachem, Jessica Golbus, Maria Molina, Jeremy Mazurek, Edo Birati, Nicole Hornsby, Pavan Atluri, Stephanie Fuller, Yuli Kim, Lee Goldberg, Joyce Wald, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

### 79 - The Final Results of the IxCell-DCM Trial: Transendocardial Injection of Ixmyelocel-T in Patients With Ischemic Dilated Cardiomyopathy

Timothy D. Henry, Arshed Quyyumi, Gary Schaer, R. David Anderson, Catalin Toma, Cara East, David Recker, Ann Remmers, James Goodrich, Amit Patel, Cedars-Sinai Heart Institute, Los Angeles, CA, USA, University of Utah, Salt Lake City, UT, USA

### 80 - New Transcatheter Treatment of the Dilated Ischemic Cardiomyopathy With Revivent System

Salvatore Brugaletta, Manel Castella, Marco Hernandez-Enriquez, Horst Sievert, Petr Neuzil, Giedrius Davidavicius, Claudio Muneretto, Louis Labrousse, Jose Luis Pomar, Manel Sabate, Montserrat Gutierrez, University of Barcelona Thorax Institute, Barcelona, Spain

### 81 - Vepoloxamer (Purified Poloxamer-188) Restores Integrity of Cardiomyocyte Calcium Cycling Proteins in Left Ventricular Myocardium of Dogs With Advanced Heart Failure

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

### 82 - Allogeneic Adipose Stem Cell Therapy Reduces Apoptosis and Promotes Anti-Inflammatory Macrophages Phenotype in a Porcine Model of Acute Myocardial Infarction

Rodrigo Fernandez-Jimenez, Nuria Solanes, Joaquim Bobi, Carolina Gálvez-Montón, Carlos Galán-Arriola, Jaume Aguero, Leticia Fernandez-Friera, Nadia Castillo, Gonzalo J López-Martin, Ana García-Alvarez, Mercé Roque, Manel Sabate, Antoni Bayes-Genis, Borja Ibanez, Santiago Roura, Montserrat Rigol, Hospital Clinic- IDIBAPS, Barcelona, Spain, Fundacion Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Madrid, Spain

### 83 - Heart Failure Affects Bone Marrow Mesenchymal Stem Renewing Capacity

Cristina Sanina, Victoria Florea, Darcy Difede, Krystalenia Valasaki, Aisha Khan, Joshua Hare, Stem Cell Institute University of Miami, Miami, FL, USA

### 84 - Anti-Thymocyte Globulin Protects Against Ischemia Reperfusion Injury in the Immediate Post Heart Transplant Period

Parham Zarrini, Tamar Aintablian, Michelle Kittleston, David Chang, Dael Geft, Lawrence Czer, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

## Heart Failure and Cardiomyopathies - Moderated Poster Contributions

### Session #1194M

#### How to Better Re-Synchronize the Heart?

Sunday, April 3, 2016, 9:45 a.m. - 10:30 a.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater, Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

9:45 a.m.

Adjusting QRS Duration for Left Ventricular Dimension Improves Current Patient Selection for Cardiac Resynchronization Therapy

Alwin Zweierink, LiNa Wu, Gerben De Roest, Robin Nijveldt, Carel de Cock, Albert van Rossum, Cornelis Allaart, VU University Medical Center, Amsterdam, AL, The Netherlands

9:55 a.m.

Question and Answer

10:00 a.m.

Acute Optimization of Left Ventricular Pacing Site Plus Multipoint Pacing Improve Remodeling and Clinical Response of CRT at One Year Follow Up  
Francesco Zanon, Lina Marcantoni, Enrico Baracca, Gianni Pastore, Daniela Lanza, Silvio Aggio, Loris Roncon, Luca Conte, Claudio Picariello, Mauro Carraro, Franco Noventa, Frits W. Prinzen, S.Maria della Misericordia Hospital, Rovigo, Italy, Cardiovascular Research Institute Maastricht, Maastricht, The Netherlands

10:10 a.m.

Question and Answer

10:15 a.m.

Left Ventricular Lead Placement Targeted at the Latest Activated Site Guided by Electrophysiological Mapping in Coronary Sinus Branches Improves Response to Cardiac Resynchronization Therapy  
Yaling Han, Yanchun Liang, Haibo Yu, Department of Cardiology, General Hospital of Shenyang Military Region, Shenyang, People's Republic of China

10:25 a.m.

Question and Answer

ACC Poster Moderator: Salvatore Costa

ACC Poster Moderator: Brian Olshansky

## Heart Failure and Cardiomyopathies - Scientific Session

### Session #671

#### Happy Marriage: Heart Failure and Electrophysiology

Sunday, April 3, 2016, 10:45 a.m. - 12:15 p.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jesus Almendral

Co-Chair: Brian Olshansky

10:45 a.m.

What Is New in CRT?

Daniel L. Lustgarten

10:55 a.m.

Question and Answer

11:00 a.m.

Should We Ablate Atrial Fibrillation in Heart Failure Patients and Why?  
Samuel Asirvatham  
Rochester, MN



11:10 a.m.

Question and Answer

11:15 a.m.

Heart Rate: When to Slow Down, Why, and How?

Michael Bohm

Homburg / Saar, Germany

11:25 a.m.

Question and Answer

11:30 a.m.

Premature Ventricular Contractions: What to Do About Them?

Brian Olshansky

Iowa City, IA

11:40 a.m.

Question and Answer

11:45 a.m.

Device Interrogation: What HF Doctors Should Know?

Peter A. Brady

Rochester, MN

11:55 a.m.

Question and Answer

12:00 p.m.

Arrhythmia in Patients With LVADs

Jesus Almendral

New Brunswick, NJ

12:10 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #672

#### Recognition and Current Management of Cardiac Amyloidosis

Sunday, April 3, 2016, 10:45 a.m. - 12:15 p.m.

Room S406b

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Rodney H. Falk

Co-Chair: Grace Lin

10:45 a.m.

Amyloid Types: What's in a Name?

Mazen Hanna

10:57 a.m.

Question and Answer

11:00 a.m.

Transthyretin Amyloid, the Heart Failure Epidemic- Stop Missing It!

Martha Grogan

Rochester, MN

11:12 a.m.

Question and Answer

11:15 a.m.

Imaging for Cardiac Amyloidosis

Frederick L. Ruberg

Boston, MA

11:27 a.m.

Question and Answer

11:30 a.m.

Emerging Therapies in TTR Cardiac Amyloidosis

Daniel P. Judge

Baltimore, MD

11:42 a.m.

Question and Answer

11:45 a.m.

Cardiac Transplantation for Amyloidosis: How to Choose?

Marc J. Semigran

Boston, MA

11:57 a.m.

Question and Answer

12:00 p.m.

How to Treat AL Cardiac Amyloid

Angela Dispenzieri

Rochester, MN

12:12 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #673

#### Surgery and Interventions in Heart Failure

Sunday, April 3, 2016, 10:45 a.m. - 12:15 p.m.

Grand Ballroom S100a

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Patrick T. O'Gara

Co-Chair: Navin Rajagopalan

Panelist: Lawrence H. Cohn

Panelist: Christian Butter

Panelist: Francesco Fedele

Panelist: Dharam J. Kumbhani

Panelist: Navin Rajagopalan

Panelist: Nicholas G. Smedira

Panelist: E. Murat Tuzcu

10:45 a.m.

Case Presentation: Severe MR in Severe Systolic Dysfunction

Francesco Fedele

Viale del Policlinico, Italy

10:52 a.m.

Panel Discussion

10:57 a.m.

Should We Clip It?

Christian Butter

Berlin, Germany

11:04 a.m.

Panel Discussion

11:09 a.m.

Should We Operate?

Nicholas G. Smedira

Cleveland, OH

11:16 a.m.

Panel Discussion

11:21 a.m.

Medical Management or Transplant?

Navin Rajagopalan

Lexington, KY



11:28 a.m.  
Panel Discussion

11:33 a.m.  
Severe Aortic Stenosis in Severe LV Dysfunction  
Dharam J. Kumbhani  
Dallas, TX

11:40 a.m.  
Panel Discussion

11:45 a.m.  
TAVR Is the Answer  
Anita W. Asgar  
Outremont, Canada

11:52 a.m.  
Panel Discussion

11:57 a.m.  
Surgery Is An Answer  
Anson Lee  
Stanford, CA

12:04 p.m.  
Panel Discussion

12:10 p.m.  
Question and Answer

### Heart Failure and Cardiomyopathies - International Session

#### Session #513

**New Insights Into Cardiomyopathies and Ventricular Hypertrophy:  
International Perspectives From the Caribbean Cardiac Society,  
Inter-American Society of Cardiology, and American College of  
Cardiology**

**Sunday, April 3, 2016, 12:30 p.m. - 1:45 p.m.**

**Room N427ab**

**CME Hours: 1.25 /CNE Hours: 0**

Co-Chair: John Gordon Harold  
Co-Chair: Marcia M. Barbosa  
Co-Chair: Henry Nathaniel Steward Antilles

12:30 p.m.  
Introduction to Session  
John Gordon Harold

12:35 p.m.  
Chagas Cardiomyopathy: A Clinical Update  
Carlos A. Morillo  
Hamilton, Canada

12:46 p.m.  
Chemotherapy Induced Heart Disease: New Drugs, New Strategies  
Diego Delgado  
Toronto, Canada

12:57 p.m.  
Can Congestive Heart Failure Be Treated Without CRT?  
Henry Nathaniel Steward  
Curacao, Netherlands Antilles

1:08 p.m.  
Intervening in the Cascade Leading to Left Ventricular Hypertrophy and its  
Consequences  
Jobst Winter  
Willemstad, Curacao, Netherlands Antilles

1:19 p.m.  
Discussion

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #686

**Cardiorenal Syndrome: An Unhappy Marriage?**

**Sunday, April 3, 2016, 12:30 p.m. - 1:45 p.m.**

**Room S401**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Frederik Hendrik Verbrugge  
Co-Chair: Krishnaswami Vijayaraghavan  
Panelist: Biykem Bozkurt  
Panelist: Peter A. McCullough  
Panelist: Wai Hong Wilson Tang  
Panelist: Christopher M. O'Connor  
Panelist: Jeffrey M. Testani  
Panelist: Hector O. Ventura

12:30 p.m.  
Cardiorenal Syndrome: Update on Mechanisms and Classification  
Jeffrey M. Testani  
Guilford, CT

12:40 p.m.  
Worsening Renal Function in Acute HF: A Bad Sign, or Maybe Not?  
Biykem Bozkurt  
Houston, TX

12:50 p.m.  
Role of Biomarkers in Cardiorenal Syndrome and HF: Implications in  
Diagnosis and Treatment  
Frederik Hendrik Verbrugge  
Genk, Belgium

1:00 p.m.  
Emerging Therapies in Acute Heart Failure With Cardiorenal Syndrome  
Wai Hong Wilson Tang  
Cleveland, OH

1:10 p.m.  
Managing the Patient With Diuretic Resistance  
Christopher M. O'Connor  
Falls Church, VA

1:20 p.m.  
CKD and HF: Do the Guidelines Apply?  
Hector O. Ventura  
New Orleans, LA

1:30 p.m.  
Panel Discussion

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #687

**Beyond Amyloid: Infiltrative and Restrictive Cardiomyopathies**

**Sunday, April 3, 2016, 12:30 p.m. - 1:45 p.m.**

**Room S406b**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Alida Caforio  
Co-Chair: Rodney H. Falk

12:30 p.m.  
The Thick Ventricle: LVH, HCM, or Something Else?  
James B. Seward





12:39 p.m.

Question and Answer

12:42 p.m.

Cardiac MRI and Infiltrative CM

Christopher M. Kramer

Charlottesville, VA

12:54 p.m.

Question and Answer

12:57 p.m.

Cardiac Sarcoidosis: Often Suspected, Rarely Diagnosed

Matthew Zipse

CO

1:06 p.m.

Question and Answer

1:09 p.m.

Cardiac Hemochromatosis: Timing Is Everything

Wilbert S. Aronow

Valhalla, NY

1:18 p.m.

Question and Answer

1:21 p.m.

Endomyocardial Biopsy: When Is It Really Necessary?

Leslie T. Cooper

Rochester, MN

Question and Answer

1:30 p.m.

Restrictive Cardiomyopathy: A Distinct Entity?

Eloisa Arbustini

Pavia, Italy

1:39 p.m.

Question and Answer

**Heart Failure and Cardiomyopathies - Moderated Poster Contributions****Session #1205M****Novel Therapies in Heart Failure****Sunday, April 3, 2016, 12:30 p.m. - 1:45 p.m.****Heart Failure and Cardiomyopathies Moderated Poster Theater, Poster Area, South Hall A1****CME Hours: 1.25 /CNE Hours: 1.25**

12:30 p.m.

The Hemodynamic Effects of Intravenous Inotrope/Vasodilator Therapy in the Beta-Blocker Era

Sara Kalantari, Jonathan Grinstein, Bryan Smith, Gabriel Sayer, Sirtaz Adatya, Nitasha Sarawat, Gene Kim, Daniel Burkhoff, Nir Uriel, University of Chicago, Chicago, IL, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Effects of a Novel Tetrapeptide in Heart Failure With Reduced Ejection Fraction (HFrEF): A Phase I Randomized, Placebo-Controlled Trial of Elamipretide

Melissa A. Daubert, Eric Yow, Gary Dunn, Huiman Barnhart, Pamela Douglas, James Udelson, Christopher O'Connor, Sidney Goldstein, Hani Sabbah, Duke Clinical Research Institute, Durham, NC, USA, Henry Ford Health System, Detroit, MI, USA

12:55 p.m.

Question and Answer

1:00 p.m.

First-in-Human Single-Ascending-Dose Study of IW-1973, a New Soluble Guanylate Cyclase Stimulator

John Hanrahan, Albert T. Profy, B. Joseph Lavins, Dennis Ruff, Gabrielle Poirier, James Wakefield, Phebe Wilson, Michael Hall, Mark G. Currie, Ironwood Pharmaceuticals Inc., Cambridge, MA, USA, ICON Early Phase Services LLC, San Antonio, TX, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Efficacy of Chemotherapy in Light Chain Amyloidosis in Patients Presenting With Symptomatic Heart Failure

Asad Ikram, Brett W. Sperry, Michael N. Vranian, Rory Hachamovitch, Jason Valent, Mazen Hanna, Cleveland Clinic, Department of Cardiovascular Medicine, Cleveland, OH, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Phosphodiesterase Type III Inhibition Improves Exercise Hemodynamics in Patients With HFPEF

David M. Kaye, Donna Vizi, Shane Nanayakkara, Melissa Byrne, Justin Mariani, Baker IDI Heart and Diabetes Inst, Melbourne, Australia

1:40 p.m.

Question and Answer

ACC Poster Moderator: Akshay S. Desai

ACC Poster Moderator: Benjamin Davies Horne

**Heart Failure and Cardiomyopathies - Poster Contributions Session #1217****Novel Approaches to HFpEF and Other Common Dilemmas****Sunday, April 3, 2016, 1:30 p.m. - 4:30 p.m.****Poster Area, South Hall A1****CME Hours: 0.75 /CNE Hours: 0.75**

47 - Middle or Older Age at the Time of Bariatric Surgery for Morbid Obesity Is Associated With a Higher Risk for Cardiovascular Events

Maharaj Singh, Ahmed Dalmar, Zoe Heis, Michael N Katzoff, Thomas Y. Chua, A. Jamil Tajik, Arshad Jahangir, Sheikh Khalifa bin Hamad Al Thani Center for Integrative Research on Cardiovascular Aging, Milwaukee, WI, USA

48 - Changes in N-Terminal Pro-Brain Natriuretic Peptide Levels Predicts Mortality and Heart Failure Hospitalization in Patients With Heart Failure and Preserved Ejection Fraction

Gianluigi Savarese, Camilla Hage, Ulf Dahlstrom, Pasquale Perrone-Filardi, Lars Lund, Lars H Lund, Stockholm, Sweden

49 - A Pilot Study of a Modified Bathroom Scale to Monitor Cardiovascular Hemodynamic in Pregnancy

Odayme Quesada, Mohamed El Banani, James Heller, Shire Beach, Mozziyar Etemadi, Shuvo Roy, Omer Inan, Juan Gonzalez, Liviu Klein, University of California San Francisco, San Francisco, CA, USA, Georgia Institute of Technology, Atlanta, GA, USA

50 - Consistent Benefit of Sacubitril/Valsartan Over Enalapril, Irrespective of Background Therapy in Paradigm-hf

Naoki Okumura, Pardeep Jhund, Jianjian Gong, Martin Lefkowitz, Adel Rizkala, Jean Rouleau, Victor Shi, Scott Solomon, Karl Swedberg, Michael Zile, Milton Packer, John J. V. McMurray, BHF Cardiovascular Research Centre, Glasgow, United Kingdom



51 - Prognostic Impact of Subclinical Hypothyroidism in Heart Failure With Preserved Ejection Fraction

Abdalla Hassan, Shafaq Mahmoud, Dana Villines, Lloyd Klein, Advocate Illinois Masonic Medical Center, Chicago, IL, USA

52 - Risk Stratification of Patients Undergoing Major Non-Cardiac Surgery and Implications of Preoperative Echocardiography

Yang Shi, Rachel Pedersen, Matthew W. Rappelt, Robyn Shearer, Nasir Sulemanjee, Dianne Zwicke, Thomas Hastings, Cheema Omar, Vinay Thohan, Aurora Cardiovascular Services and Aurora Research Institute, Aurora Health Care, Milwaukee, WI, USA

53 - Soluble Neprilysin Does Not Correlate With Outcome in Heart Failure With Preserved Ejection Fraction

Georg Goliash, Pavo Noemi, Caroline Tufaro, Andreas Kammerlander, Franz Duca, Julia Mascherbauer, Diana Bonderman, Medical University of Vienna, Vienna, Austria

54 - Neurocardiac Injury in Patients With Subarachnoid Hemorrhage Is Associated With Regional Left Ventricular Discoordination

Zhi Qi, Masataka Sugahara, Elizabeth A Crago, Yuefang Chang, Theodore F Lagattuta, Khalil Yousef, Robert M Friedlander, Marilyn T Hravnak, John Gorcsan, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

56 - Evaluation of Pregnancy Outcomes in Women With Valvular Heart Disease: 10 Years of a Specialized Centre Experience

André Monteiro, Lino Patricio, Augusta Borges, Joana Rebelo, Ana Campos, Rui Ferreira, Hospital de Santa Marta, Lisbon, Portugal, Maternidade Alfredo da Costa, Lisbon, Portugal

57 - Characterization and Impact of Comorbidity Among Gender and Racial Subgroups Hospitalized With Heart Failure With Preserved Ejection Fraction

Parag Goyal, Tracy Paul, Zaid I. Almarzooq, Rajesh Swaminathan, Dmitriy Feldman, Janey Peterson, Maria Karas, Irina Sobol, Evelyn Horn, Luke Kim, New York Presbyterian--Weill Cornell Medicine, New York, NY, USA

58 - Trends in the Hospitalizations for Acute on Chronic Heart Failure With Preserved Ejection Fraction in the United States From 2003 to 2013

Vidhu Anand, Samit Roy, Ryan Koene, Thenappan Thenappan, University of Minnesota, Minneapolis, MN, USA

60 - Changes in Outcomes of Patients Hospitalized With Acute on Chronic Diastolic Heart Failure in the United States Over the Last Decade

Abdel Rahman A. Al Emam, Batool Khattab, Mohammed Chamsi-Pasha, Hareeprasad Vongooru, University of Nebraska Medical Center, Omaha, NE, USA

61 - A Multicenter Study of the Etiology and Outcome of Cardiac Tamponade in the Contemporary Era

Luke Cunningham, Toug Tanavin, Mahboob Alam, Salim Virani, Biykem Bozkurt, Anita Deswal, Vijay Nambi, Hani Jneid, Baylor College of Medicine, Houston, TX, USA

62 - Effect of Spinal Cord Stimulation on Cardiac Sympathetic Nerve Activity in Patients With Heart Failure

Jan Naar, Deborah A. Jaye, Cecilia Linde, Petr Neuzil, Petr Doskar, Filip Malek, Frieder Braunschweig, Lars Lund, Lars Mortensen, Bengt Linderöth, Göran Lind, Dianna Bone, Arthur Scholte, Aimee Pol, Fred Kueffer, Jodi Koehler, Kamibiz Shahgaldi, Otto Lang, Marcus Stahlberg, Na Homolce Hospital, Prague, Czech Republic

63 - Value of Neutrophil to Lymphocyte Ratio as a Predictor of Mortality in Patients With Heart Failure With Preserved Ejection Fraction

Habib Habib, Mohammad Thawabi, Amer Hawatmeh, Ashesha Mechineni, Anas J. Alkhateeb, Yamini Sundermurthy, Youssef Botros, Kelvin Luu, Amore Giuseppe, Mirette Habib, Ashraf Jmeian, Walid Elkhaili, Zaid Altheeb, Fayeze Shamoone, Medhat Zaher, St. Joseph Medical Center, Paterson, NJ, USA

64 - Cost Comparison Across Heart Failure Patients With Reduced and Preserved Ejection Fractions: Analyses of Inpatient Decompensated Heart Failure Admissions

Natalia Olchanski, Amanda Vest, Pallavi Rane, Joshua Cohen, Peter Neumann, Adrian Kielhorn, Harshali Patel, Juan Maya, David DeNofrio, Tufts Medical Center, Boston, MA, USA

65 - The Cornell Product Is a Novel Electrocardiographic Marker of Heart Failure With Preserved Ejection Fraction

Eugene Tan, Siew Pang Chan, Chang Fen Xu, Jonathan Yap, Mark Richards, Lieng Ling, David Sim, Fazlur Jaufferally, Poh Shuan Yeo, Seet Yoong Loh, Hean Yee Ong, Kui Toh Leong, Nyunt Shwe Zin, Liang Feng, Tze Pin Ng, Peter Okin, Carolyn Lam, Toon Wei Lim, National University Heart Centre Singapore, Singapore, Singapore

66 - Modest Troponin Elevation and Outcome in Acute Heart Failure With Preserved Ejection Fraction

Mohammad Thawabi, Habib Habib, Amer Hawatmeh, Fayeze Shamoone, Saint Joseph's Regional Medical Center, Paterson, NJ, USA, Newark Beth Israel Medical Center, Newark, NJ, USA

85 - Ventricular Stiffness, Impaired Relaxation and Vascular Stiffness Cause Abnormal Rv Reserve Capacity in Patients With Heart Failure and Preserved Biventricular Function

Philipp Lurz, Karl-Philipp Rommel, Maximilian Von Roeder, Konrad Latuscynski, Christian Oberrueck, Stephan Blazek, Christian Besler, Karl Fengler, Marcus Sandri, Christian Luecke, Matthias Gutberlet, Gerhard Schuler, Heart Center of the University Leipzig, Leipzig, Germany

86 - Mortality in Heart Failure Patients From Africa, Asia, the Middle East and South America (INTER-CHF)

Hisham Dokainish, on behalf of The INTER-CHF Investigators, McMaster University, Hamilton, Canada

87 - Pharmacokinetic and Pharmacodynamic Response to Oral and Subcutaneous Furosemide Administration: First Experiences With a Novel Buffered Furosemide Formulation in Patients With Chronic Heart Failure

Rudolf A. De Boer, Jozine ter Maaten, Kevin Damman, Pieter Muntendam, Domenic A. Sica, Dirk van Veldhuisen, Bertram Pitt, University of Groningen, Groningen, The Netherlands, University of Michigan Medical School, Ann Arbor, MI, USA

88 - Differential Clinical Outcomes in Diabetic Versus Non-Diabetic Patients Hospitalized With Acute Heart Failure and Diastolic Dysfunction: A Population Based Study

Siu-Hin Wan, Joshua Slusser, David Hodge, Horng Chen, Mayo Clinic, Rochester, MN, USA

89 - Developing an Algorithm to Curate a Heart Failure With Preserved Ejection Fraction Cohort in a Large Database

Yash Rameshbhai Patel, Jeremy Robbins, Katherine Kurgansky, Taraka Gadiraju, Tasnim Imran, Kelly Cho, David Gagnon, J. Michael Gaziano, Jacob Joseph, VA Boston Healthcare Center, Boston, MA, USA

90 - Comparison of the Kansas City Cardiomyopathy Questionnaire and Minnesota Living With Heart Failure Questionnaire in Predicting Heart Failure Outcomes

Derek Yee, Eric Novak, Anne Platts, Michael Nassif, Shane LaRue, Justin Vader, Washington University School of Medicine, St. Louis, MO, USA

91 - Transition to Stage D Heart Failure Among Stable Outpatients With Systolic Heart Failure

Andrew McCue, Jeffrey Hedley, Ayman S. Tahhan, Jonathan B. Bjork, Nisarg Patel, Alanna Morris, Robert Cole, Divya Gupta, J. David Vega, Andrew Smith, Vasiliki Georgiopolou, Andreas Kalogeropoulos, Emory University, Atlanta, GA, USA



92 - Exercise Response of HFpEF Versus HFrEF Patients: Insights on Left Atrial Function and Right Ventricular to Pulmonary Circulation Coupling by Combining Cardiopulmonary Exercise Testing With Stress Echo  
Tadafumi Sugimoto, Francesco Bandera, Greta Generati, Eleonora Alfonzetti, Marta Pellegrino, Vincenzo Tufaro, Marco Guazzi, IRCCS Policlinico San Donato, Cardiology, University of Milano, Milano, Italy

93 - Wounded but Not Broken: Outcomes of Cardiac Contusion in Patients With a Pre-Existing Heart Failure

Odunayo Olorunfemi, John McNelis, Olatunde Ola, Oladimeji Akinboro, Gbolahan Ogunbayo, Anand Dayama, Melvin Stone, Rochester General Hospital, Rochester, NY, USA, Jacobi Medical Center, Bronx, NY, USA

94 - Exercise Intolerance in HFpEF: The Critical Role of Skeletal Muscle Diffusion Capacity and the Challenge of Multiple Oxygen Transport Defects  
Nicholas Houstis, Aaron Eisman, Paul Pappagianopoulos, Peter D. Wagner, Gregory Lewis, Massachusetts General Hospital, Boston, MA, USA

95 - Heart Failure With Intermediate Left Ventricular Ejection Fraction  
Hye Bin Gwag, Ga Yeon Lee, Minsun Kim, Jiseok Kang, Jin-Oh Choi, Eun-Seok Jeon, Dong-Ju Choi, Jae-Joong Kim, Kyung-Kook Hwang, Shung Chull Chae, Sang Hong Back, Byung-Su Yoo, Myeong-Chan Cho, Byung-Hee Oh, Seok-Min Kang, Hyun-Young Park, Young Keun Ahn, Samsung Medical Center, Seoul, South Korea, Sungkyunkwan University School of Medicine, Seoul, South Korea

96 - Measurement of the Peripheral Arterial Tone: A New Diagnostic Device for Detecting Sleep Disordered Breathing in Patients With Chronic Heart Failure  
Florian Schindhelm, Martin Braun, Olaf Oldenburg, Henrik Fox, Zisis Dimitriadis, Dieter Horstkotte, Thomas Bitter, Clinic for Cardiology, Herz- und Diabeteszentrum NRW, Ruhr-Universität Bochum, Bad Oeynhausen, Germany

97 - Prognostic Importance of Left Ventricular Mechanical Dyssynchrony in Heart Failure With Preserved Ejection Fraction

Tor Biering-Sorensen, Sanjiv Shah, Inderjit Ananda, Nancy Sweitzer, Brian Claggett, Bertram Pitt, Marc Pfeffer, Scott Solomon, Amil Shah, Cardiovascular Division, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

98 - Myocardial Function and Left Ventricle Afterload During and After Community-Acquired Pneumonia (CAP) in Elderly Adults  
Vicente Francisco Corrales-Medina, Girish Dwivedi, Izzah Vasim, Saima Arooj, Maheswara R. Koppula, Swapna Varakantam, Julio Chirinos Medina, The Ottawa Hospital Research Institute, Ottawa, Canada, CTSC Cardiovascular Phenotyping Unit of the University of Pennsylvania, Philadelphia, PA, USA

## Heart Failure and Cardiomyopathies - Poster Contributions

### Session #1218

#### Heart Failure and Cardiomyopathies: Cardiac Resynchronization Therapy

Sunday, April 3, 2016, 1:30 p.m. - 4:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

67 - Cardiac Resynchronization Therapy Combined With Coronary Artery Bypass Grafting in Ischemic Heart Failure Patients: Long-Term Results of the RESCUE Study

Alexander Romanov, Kinga Goscinska-Bis, Jaroslaw Bis, Alexander Chernyavsky, Darya Prokhorova, Yana Syrtceva, Vitaly Shabanov, Sergey Alsov, Alexander Karaskov, Marek Deja, Michal Krejca, Evgeny Pokushalov, State Research Institute of Circulation Pathology, Novosibirsk, Russian Federation

68 - Electrical Myostimulation Improves Quality of Life, Left Ventricular Function and Peak Oxygen Consumption in Patients With Chronic Heart

Failure: Results From the EMS Study Comparing Different Stimulation Strategies

Frank Van Buuren, Andreas Fründ, Nikola Bogunovic, Dieter Horstkotte, Klaus-Peter Mellwig, Clinic for Cardiology, Herz- und Diabeteszentrum NRW, Ruhr-Universität Bochum, Bad Oeynhausen, Germany, Dept. of Physiotherapy, Herz- und Diabeteszentrum NRW, Ruhr-Universität Bochum, Bad Oeynhausen, Germany

69 - Effect of Cardiac Resynchronization Therapy on Right Ventricular Function

Abhishek Sharma, Carl Lavie, Ajay Vallakati, Akash Garg, Sunny Goel, Edgar Lichstein, Debabrata Mukherjee, Jason Lazar, State University of New York, Downstate Medical Center, Brooklyn, NY, USA

70 - Prognostic Value of Left Ventricular Longitudinal Strain in Cardiac Resynchronization Therapy Patients

Mand J.H. Khidir, Rachid Abou, Nina Ajmone Marsan, Victoria Delgado, Jeroen Bax, Leiden University Medical Center, Leiden, The Netherlands

71 - Do Patients Who Meet Class IIa Indications for Cardiac Resynchronization Therapy Attain a Therapeutic Benefit?

Gregory Sinner, Vedant Gupta, Arash J. Seratnahaei, Kevin Parrott, Richard Charnigo, Yousef Darrat, Samy Elayi, Steve Leung, Vincent Sorrell, University of Kentucky, Lexington, KY, USA

72 - Prognostic Value of Echo-Doppler Guided AV Delay Optimization Following Cardiac Resynchronization Therapy

Srikanth Koneru, Zoran Popovic, Paul Cremer, Patrick Tchou, Bruce Wilkoff, Bruce Lindsay, Brian Griffin, Richard Grimm, Cleveland Clinic, Cleveland, OH, USA

## Heart Failure and Cardiomyopathies - Poster Contributions

### Session #1219

#### Heart Failure and Cardiomyopathies: Basic

Sunday, April 3, 2016, 1:30 p.m. - 4:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

73 - Renal Denervation Improves Post-Infarction Remodeling and Hemodynamics Through Modulation of Cardioprotective Plasma Peptides

David Polhemus, Juan Gao, Amy L. Scarborough, Jessica M. Bradley, Rishi K. Trivedi, Frank Smart, Daniel R. Kapusta, David J. Lefer, LSU Health Sciences Center, New Orleans, LA, USA

74 - Differential Responsiveness of Human Atrial and Ventricular Fibroblasts to Serum-Induced Proliferation and Its Inhibition by Simvastatin

Farhan Rizvi, Ramail Siddiqui, Alessandra DeFranco, Larisa Emelyanova, Alisher Holmuhamedov, Gracious Ross, Ekhsan Holmuhamedov, David Kress, A. Jamil Tajik, Arshad Jahangir, Aurora Research Institute, Milwaukee, USA

75 - CCAAT/Enhancer Binding Protein Delta Contributes to an Earlier Phase of Pro-Inflammatory Response in Doxorubicin Related Cardiomyopathy

Ping-Yen Liu, Jui-Tzu Wen, Ling-Wei Hsu, Institute of Clinical Medicine, National Cheng Kung University, Tainan, Taiwan, ROC, National Cheng Kung University Hospital, Tainan, Taiwan, ROC

76 - Loss of Chloride Intracellular Channel Protein 4 Prevents Cardiac Hypertrophy in Isoproterenol Induced Pressure Overload in Mouse Models

Nishi Patel, Ahmed Hussain, Devasena Ponnalagu, John Edwards, Andrew Kohut, Harpreet Singh, Drexel University, Philadelphia, PA, USA, St. Louis University, St. Louis, MO, USA

77 - Alterations in Phosphodiesterase 5 Expression and  $\beta$ -Adrenergic Response in the Human Volume-Overloaded Right Ventricle

Richard A. Krasuski, Michael Zdradzinski, Wendy Sweet, Cynthia Chang, Gosta Pettersson, Christine Moravec, Cleveland Clinic, Cleveland, OH, USA, Duke University, Durham, NC, USA



78 - The Anti-Platelet Effect of Different Loading Dose of Ticagrelor in Patients With Non-ST Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention: A Randomized, Open-Label, Multicenter Study  
Liu Huiliang, Yu-Jie Wei, Zhi-geng Jin, Peng Ding, Sheng-Li Yang, Jian-Ping Luo, Dong-Xing Ma, Ying Liu, Wei Han, Jiao Zhang, Tianchang Li, Bing Wang, Ming-Sheng Wang, Yun-Tian Li, Jian-Jun Zhang, Yi-Hong Ren, Qiang Tang, General Hospital of Chinese People's Armed Police Forces, Beijing, People's Republic of China

79 - Reduced Aldehyde Dehydrogenase-2 Activity and Protein Level in Left Ventricular Myocardium of Dogs With Chronic Heart Failure  
Ramesh C. Gupta, Vinita Sing-Gupta, Suresh Palaniyandi, Hani N. Sabbah, Henry Ford Hospital, Detroit, MI, USA

80 - The Utilisation of Gene Expression Repositories in the Development of a Genetic Consensus in Dilated Cardiomyopathy  
Cormac O'Connor, Daniel O'Hare, Thomas Kiernan, University Hospital Limerick, Dublin 8, Ireland

81 - High Output and Low Output Heart Failure Identified in Adult Zebrafish by Using High Frequency Echocardiography  
Zhenyue Chen, Shanghai Jiaotong University School of Medicine Shanghai Ruijin Hospital Department of Cardiology, Shanghai, People's Republic of China

82 - Leptin-Regulated Molecular Network Is Activated in the Lung Under Heart Failure: The Cardio-Adipo-Pulmonary Axis  
Kyung-Duk Min, Masanori Asakura, Kazuhiro Shindo, Hiroki Fukuda, Miki Imazu, Shin Ito, Masafumi Kitakaze, National Cerebral and Cardiovascular Center, Osaka, Japan

83 - Mitochondrial Aldehyde Dehydrogenase 2 Deficiency Aggravates Energy Metabolism Disturbance and Diastolic Dysfunction in Diabetic Mice  
Cong Wang, Fan Fan, Aijun Sun, Junbo Ge, Shanghai Institute of Cardiovascular Diseases, Zhongshan Hospital, Fudan University, Shanghai, People's Republic of China

84 - Global Proteomic and Metabolomic Analysis of Pressure and Volume Overload Induced Hypertrophy and Heart Failure  
Cong Wang, Fan Fan, Aijun Sun, Junbo Ge, Shanghai Institute of Cardiovascular Diseases, Zhongshan Hospital, Fudan University, Shanghai, People's Republic of China

### Heart Failure and Cardiomyopathies - International Session

#### Session #515

**New Insights Into Heart Failure: International Perspectives From the Cardiology Society of Serbia, Korean Society of Cardiology, and American College of Cardiology**

Sunday, April 3, 2016, 2 p.m. - 3:30 p.m.

Room N427ab

CME Hours: 1.5 /CNE Hours: 0

Co-Chair: C. Michael Valentine  
Co-Chair: Milan A. Nedeljkovic  
Co-Chair: Byung-Hee Oh, Republic of

2:00 p.m.  
Introduction to Session  
C. Michael Valentine

2:05 p.m.  
Findings From the Korean Acute Heart Failure (KorAHF) Registry  
Sang Hong Baek  
Seoul, Korea, Republic of

2:16 p.m.  
Evaluation of Coronary Flow Reserve in Heart Failure  
Ana Djordjevic-Dikic  
Belgrade, Serbia

2:27 p.m.  
Current Status of Heart Transplantation in the USA  
Paul J. Mather  
Philadelphia, PA

2:38 p.m.  
Current Status of Heart Transplantation in Korea  
Eun Seok Jeon  
Seoul, Korea, Republic of

2:49 p.m.  
Stem Cell Therapy for Heart Failure  
Branko D. Beleslin  
Belgrade, Serbia

3:00 p.m.  
Discussion

### Heart Failure and Cardiomyopathies - Scientific Session Session #701

#### Heart Failure Sensors: Holy Grail or Holy Cow

Sunday, April 3, 2016, 2 p.m. - 3:30 p.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Robert C. Bourge  
Co-Chair: Lisa Rathman  
Panelist: Deepak Bhakta  
Panelist: Robert C. Bourge  
Panelist: Lisa Rathman  
Panelist: Shashank S. Sinha  
Panelist: Mary N. Walsh

2:00 p.m.  
Implantable Pulmonary Artery Sensor - Promise and Concerns  
Robert C. Bourge  
Birmingham, AL

2:15 p.m.  
Thoracic Impedance - Successes and Challenges  
Lisa Rathman  
Stevens, PA

2:30 p.m.  
The Weight of the Evidence - Electronic Scales and Home Based Devices  
Mary N. Walsh  
Indianapolis, IN

2:45 p.m.  
Wearing Your Heart on Your Sleeve - Wearable Monitors for Patients - Challenges and Potential  
Shashank S. Sinha  
Ann Arbor, MI

3:00 p.m.  
ICD/CRT Data - Hidden Data in the Can or a Can of Worms?  
Deepak Bhakta  
Indianapolis, IN

3:15 p.m.  
Panel Discussion





### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #702

#### Management of the Heart Failure Patient With Cardio-Renal Syndrome in the Ambulatory Setting: A Case-Based Approach

Sunday, April 3, 2016, 2 p.m. - 3:30 p.m.

Room S406b

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jeffrey M. Testani

Co-Chair: Susan P. Bell

Panelist: Susan P. Bell

Panelist: Douglas Jennings

Panelist: Michael Felker

2:00 p.m.

Introduction and Case Presentation

Kay Blum

Clinton, MD

2:10 p.m.

Review of Chronic Kidney Disease and Cardiorenal Syndrome in Heart Failure

Jeffrey M. Testani

Guilford, CT

2:25 p.m.

Diuretic actions, Thresholds, Combinations and Myths

Douglas Jennings

Fort Lauderdale, FL

2:40 p.m.

Putting It All Together--Making Decisions About Diuretic Therapy

Michael Felker

Durham, NC

2:55 p.m.

Panel Discussion

3:15 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Moderated Poster

#### Contributions

#### Session #1239M

#### Discoveries in Peripartum Cardiomyopathy

Sunday, April 3, 2016, 3:45 p.m. - 4:30 p.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater,  
Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

3:45 p.m.

Is It Safe to Discontinue Treatment After Full Recovery From Peripartum Cardiomyopathy?

James D. Fett, Consultant, Cardiovascular Institute, University of Pittsburgh Medical Center, Pittsburgh, PA, USA, Hospital Albert Schweitzer, Deschappelles, Haiti

3:55 p.m.

Question and Answer

4:00 p.m.

Global Longitudinal Strain at Presentation Is Prognostic of Subsequent Left Ventricular Recovery in Patients With Peripartum Cardiomyopathy

Masataka Sugahara, Dennis McNamara, Navin Rajagopalan, Joan Briller, Julie Damp, Gretchen Wells, Mark Drazner, Lori Blauwet, Leslie Cooper, John Gorcsan, University of Pittsburgh, Pittsburgh, PA, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Burden of Arrhythmias in Peripartum Cardiomyopathy: Analysis of 9,840 Hospitalizations

Sagar Mallikethi Lepakshi Reddy, Alexandros Briasoulis, Mazhar Khan, Melvyn Rubenfire, Cindy Grines, Robert Brook, Luis Afonso, Division of Cardiology, Detroit Medical Center, Wayne State University School of Medicine, Detroit, MI, USA, Division of Cardiology, University of Michigan Medical School, Ann Arbor, MI, USA

4:25 p.m.

Question and Answer

ACC Poster Moderator: Uri Elkayam

ACC Poster Moderator: Carolyn S. P. Lam

### Heart Failure and Cardiomyopathies - Clinical Focus

#### Session #1606

#### The Nuts and Bolts of Heart Failure Therapies: Pharmacological Case Challenges

Sunday, April 3, 2016, 6 p.m. - 8:30 p.m.

Grand Ballroom S100bc

CME Hours: 2.5 /CNE Hours: 2.5

6:00 p.m.

Dinner

Chair: Clyde W. Yancy

6:30 p.m.

Introduction to Session and ARS Technology: CME Done Differently

Clyde W. Yancy

Chicago, IL

6:40 p.m.

Setting the Stage: Review of the Heart Failure Pharmacological Landscape

Lee R. Goldberg

Philadelphia, PA

6:50 p.m.

Understanding the New Therapies: Heart Failure Game Changers? Neprilysin

Inhibitor: Mechanism of Action and Clinical Trials

Biyykem Bozkurt

Houston, TX

7:00 p.m.

Understanding the New Therapies: Heart Failure Game Changers?

Ivabradine: Mechanism of Action and Clinical Trials

Akshay S. Desai

Boston, MA

7:10 p.m.

Case Presentation: Heart Failure Management Case Challenges: Building Consensus at the Table - Case 1

Clyde W. Yancy

Chicago, IL

7:15 p.m.

Panel Discussion

Panelist: Biyykem Bozkurt

Panelist: Akshay S. Desai

Panelist: Lee R. Goldberg

7:45 p.m.

Case Presentation: Heart Failure Management Case Challenges: Building Consensus at the Table - Case 2

Clyde W. Yancy

Chicago, IL



7:50 p.m.  
Panel Discussion

Panelist: Biykem Bozkurt  
Panelist: Akshay S. Desai  
Panelist: Lee R. Goldberg

8:20 p.m.  
Concluding Remarks  
Clyde W. Yancy  
Chicago, IL

#### Heart Failure and Cardiomyopathies - Scientific Session

##### Session #728

##### Treatment of Patients With Stage D Heart Failure and Shock

Monday, April 4, 2016, 8 a.m. - 9:30 a.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Mark Slaughter  
Co-Chair: Randall C. Starling

8:00 a.m.  
Case Presentation - Heart Transplant Selection  
Nir Uriel

8:05 a.m.  
Timing and Selection of Patients for Heart Transplant  
Sean Patrick Pinney  
New York, NY

8:17 a.m.  
Case Presentation - LVAD selection  
Jeffrey Teuteberg  
Pittsburgh, PA

8:22 a.m.  
Timing and Selection of Patients for LVAD - What Have We Learned From INTERMACS?  
Jason Neil Katz  
Morrisville, NC

8:34 a.m.  
Question and Answer

8:46 a.m.  
LVAD and BIVAD Percutaneous Support  
Navin Kapur  
Hanover, MA

8:58 a.m.  
VA ECMO  
Francis D. Pagani  
Ann Arbor, MI

9:10 a.m.  
Question and Answer

#### Heart Failure and Cardiomyopathies - Scientific Session

##### Session #729

##### 30 Day Readmissions

Monday, April 4, 2016, 8 a.m. - 9:30 a.m.

Room S406b

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Allen S. Anderson  
Co-Chair: Ileana L. Pina

8:00 a.m.  
Epidemiology of 30 Day Readmissions  
Javed Butler

8:15 a.m.  
Geriatric Cardiology: What We Have to Offer for Preventing 30 Day Revisits  
Susan P. Bell  
Nashville, TN

8:30 a.m.  
System Wide Approaches to Reducing 30 Day Readmissions  
Ileana L. Pina  
Bronx, NY

8:45 a.m.  
Rehabilitation for Preventing Post-Hospitalization Syndrome  
Dalane W. Kitzman  
Winston Salem, NC

9:00 a.m.  
Hemodynamic Monitoring to Prevent 30 Day Readmissions  
William T. Abraham  
Columbus, OH

9:15 a.m.  
Patient Navigator Program - Avoiding Pitfalls and Booby Traps  
Mary N. Walsh  
Indianapolis, IN

#### Heart Failure and Cardiomyopathies - Maintenance of Certification

##### Session #823

##### Core Curriculum: A Broken Heart Crushes the Spirit — Proverbial Wisdom in the Management of Heart Failure

Monday, April 4, 2016, 8 a.m. - 9:30 a.m.

Room N426

CME Hours: 1.5 /CNE Hours: 0

Chair: Joseph G. Rogers

8:00 a.m.  
Evidence Based Pharmacologic Management: The Old and the New  
Gregory A. Ewald  
Saint Louis, MO

8:25 a.m.  
When to Say When: What is the Difference Between Palliative Care and Hospice?  
Staci A. Mandrola  
Louisville, KY

8:50 a.m.  
What Does the Literature Tell us About Ventricular Assist Devices and Transplantation?  
David E. Lanfear  
Detroit, MI

9:15 a.m.  
Question and Answer

#### Heart Failure and Cardiomyopathies - Poster Contributions

##### Session #1250

##### Beyond the Usual Suspects: The Atypical Cardiomyopathies

Monday, April 4, 2016, 9:30 a.m. - 12:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75



47 - Prognostic Value of Technetium Pyrophosphate Uptake Intensity by Nuclear Scintigraphy in Transthyretin Amyloidosis  
Michael Neshan Vranian, Brett Sperry, Asad Ikram, Rory Hachamovitch, Mazen Hanna, Wael Jaber, Cleveland Clinic Foundation, Cleveland, OH, USA

48 - Electrical Prediction of Sustained Ventricular Arrhythmias in Pediatric Patients With Hypertrophic Cardiomyopathy  
Nandita Sharma, Daniel Cortez, Milton S. Hershey Medical Center, Hershey, PA, USA, University of Colorado, Aurora, CO, USA

49 - The Utility of T-Wave Amplitude in Lead aVR on the Clinical Diagnosis of Cardiac Involvement in Patients With Sarcoidosis  
Yoshihiro Tanaka, Tetsuo Konno, Shohei Yoshida, Toyonobu Tsuda, Kenshi Hayashi, Hiroshi Furusho, Masayuki Takamura, Masa-Aki Kawashiri, Masakazu Yamagishi, Kanazawa University Graduate School of Medicine, Division of Cardiovascular Medicine, Kanazawa, Japan

50 - Myocardial Edema Assessed With T2-Weighted CMR Imaging and Sudden Cardiac Death Risk in Patients With Hypertrophic Cardiomyopathy  
Frank Gommans, Etienne Cramer, Jeannette Bakker, Michelle Michels, Hendrik-Jan Dieker, Michael Fouraux, Carlo Marcelis, Janneke Timmermans, Freek Verheugt, Marc Brouwer, Marcel Kofflard, Radboud University Medical Center, Nijmegen, The Netherlands

51 - The Myocardial Contraction Fraction (MCF) Is Associated With NYHA Class as Well as Delayed Enhancement by Cardiac MRI in Hypertrophic Cardiomyopathy and Predicts Sudden Cardiac Death  
Mathew S. Maurer, Jonathan Ginns, Barry Maron, Iacopo Olivetto, John Lesser, Christiane Gruner, Andrew Crean, Harry Rakowski, Ethan Rowin, Massimo Lombardi, Paolo Spirito, Elena Biagini, Camillo Autore, Warren Manning, Benedetta Tomberli, Martin Maron, Raymond Chan, Columbia University, New York, NY, USA

52 - The Cardiac Biomarkers in Children With Cardiomyopathy Multicenter Study: Preliminary Results for Pediatric Hypertrophic Cardiomyopathy  
Steven Lipshultz, James Wilkinson, Ling Shi, Jeffrey Towbin, Charles Canter, Daphne Hsu, Steven Webber, Paul Kantor, Melanie Everitt, Elfriede Pahl, John Jefferies, Joseph Rossano, Linda Addonizio, Debra Dodd, Stephanie Ware, Kimberly Molina, Steven Colan, Wayne State University School of Medicine, Detroit, MI, USA

53 - Osteopontin and Brain Derived Neurotrophic Factor: Biomarkers of Cardiovascular Disease in Duchenne Muscular Dystrophy  
Jonathan Soslow, Cristi L. Galindo, Holly Smith, Bruce M. Damon, Joe N. Kornegay, W. Bryan Burnette, Douglas Sawyer, Larry Markham, Vanderbilt University Medical Center, Nashville, TN, USA

54 - Predictors of In-Hospital Mortality in Patients With Takotsubo Cardiomyopathy: Insights of the Healthcare Cost and Utilization Project's National Inpatient Sample  
Luis Gruber, Fabio Lima, Yun M. Yen, Javed Butler, Stony Brook University, Stony Brook, NY, USA

55 - Cardiovascular Mortality and Myocardial Infarction After Radiation Therapy for Left Versus Right Sided Breast Cancer: A Meta-Analysis  
Marcio Sommer Bittencourt, Milan Vecsey-Nagy, Marilia Santos, Carolina Silva, Silvia M. Fonseca, Cristina S. Bittar, Paulo G. Hoff, Roberto Kalil-Filho, Ludhmila A. Hajjar, Sao Paulo Cancer Institute, Sao Paulo, Brazil, University Hospital - University of Sao Paulo, Sao Paulo, Brazil

56 - Long-Term Effects of Epirubicin on Incidence of Heart Failure in Women With Breast Cancer: Data From a Randomized Clinical Trial  
Ann Bøcher Secher Banke, Emil Fosbol, Jacob Møller, Gunnar Gislason, Mads Andersen, Mogens Bernsdorf, Maj-Britt Jensen, Morten Schou, Bent Ejlersen, Department of Cardiology, Odense University Hospital, Odense, Denmark, Danish Breast Cancer Cooperative Group, Rigshospitalet, Copenhagen, Denmark

57 - Association Between Mediastinal Radiotherapy and Long-Term Heart Failure: A Systematic Review and Meta-Analysis  
Mark T. Nolan, Thomas Marwick, David Russell, Menzies Institute for Medical Research, Hobart, Australia, Royal Hobart Hospital, Hobart, Australia

58 - Revisiting Prognostic Impact of Atrial Fibrillation in Hypertrophic Cardiomyopathy  
Jose Carlos Corona Guerrero, Elena Jimenez-Baena, Angel Martinez-Martinez, Juan Valle-Racero, Lopez-Pardo Francisco, Jose Lopez-Haldon, Jose Urbano-Moral, Virgen del Rocio University Hospital, Seville, Spain

59 - First Experience With Percutaneous Mitral Valve Plication as Primary Therapy for Symptomatic Obstructive Hypertrophic Cardiomyopathy  
Paul Sorajja, Wesley Pedersen, Richard Bae, John Lesser, Desmond Jay, Kevin Harris, Barry Maron, Minneapolis Heart Institute, Minneapolis, MN, USA

60 - Myocardial Scar Burden Increases With Age and Is Associated With Decline in Left Ventricular Systolic Function in Young Patients With Becker Muscular Dystrophy  
Jacob Mathew, Ryan Moore, David Spar, Chet Villa, Jean Bange, Hemant Sawhani, Michael Taylor, Brenda Wong, John Jefferies, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

61 - Racial Differences and the Risk of In-Hospital Mortality in Takotsubo Cardiomyopathy: Analysis From the National Inpatient Sample 2012 Database  
Akram Elgendy, Robert Hamburger, Islam Elgendy, Ahmed Mahmoud, University of Florida, Gainesville, FL, USA

62 - Atrial Fibrillation Is Associated With Low Cardiovascular Mortality in Hypertrophic Cardiomyopathy  
Angie Lobo, Susan Casey, Barry Maron, Minneapolis Heart Institute Foundation, Minneapolis, MN, USA

63 - Evaluation of Myocardial Glucose Metabolism in Hypertrophic Cardiomyopathy by 18F-Fluorodeoxyglucose Positron Emission Tomography: Impact of Alcohol Septal Ablation Therapy  
Rie Aoyama, Hitoshi Takano, Yasuhiro Kobayashi, Mitsunobu Kitamura, Kuniya Asai, Shin-Ichirou Kumita, Wataru Shimizu, Nippon Medical School, Tokyo, Japan

64 - Left Atrial Structure and Function in AL Versus TTR-Related Cardiac Amyloidosis  
Kotaro Nochioka, Candida Cristina Quarta, Brian Claggett, Gabriela Querejeta Roca, Claudio Rapezzi, Rodney Falk, Scott Solomon, Brigham and Women's Hospital, Boston, MA, USA

65 - Perforin-Positive Cardiac Cell Infiltration and Male Gender Predict Adverse Long-Term Mortality in Inflammatory Cardiomyopathy  
Felicitas Escher, Uwe Kuehl, Dirk Lassner, Burkert Pieske, Wolfgang Poller, Carsten Tschoepe, Heinz-Peter Schultheiss, Charite-Universitätsmedizin Berlin, Berlin, Germany

66 - Septal Myectomy Improves Symptoms More Than Alcohol Septal Ablation in Patients With Hypertrophic Obstructive Cardiomyopathy  
Jason Bensch, Marissa Huebner, Jessica Minnier, Matthew Slater, Joaquin Cigarroa, Stephen Heitner, Oregon Health & Science University, Portland, OR, USA

67 - Clinical Characteristics and Coronary Blood Flow Patterns in Apical Versus Mid-Ventricular Ballooning in 100 Patients With Takotsubo Cardiomyopathy  
Rakan Dodin, Victoria Pink, Ross Garberich, Scott Sharkey, Minneapolis Heart Institute Foundation, Minneapolis, MN, USA

68 - Predictors of Development of Left Ventricular Systolic Dysfunction in Patients Receiving Anthracyclines  
Nirmanmoh Bhatia, Javid Moslehi, Quinn Wells, Vanderbilt University, Nashville, TN, USA



70 - Overlap of Cardiomyopathy With Hypertrabeculation and Left-Ventricular Non-Compaction Cardiomyopathy: Two Distinct Entities  
Luai Tabaza, Ala Mohsen, Musab Alqasrawi, Steven Mickelsen, Medical College of Wisconsin, Milwaukee, WI, USA, University of Iowa, Iowa City, IA, USA

71 - The Predictive Value of <sup>201</sup>Tl-<sup>123</sup>I-BMIPP Scintigraphy in the Recovery of Left Ventricular Systolic Dysfunction in Takotsubo Syndrome  
Takayuki Warisawa, Nobuo Tomizawa, Toru Naganuma, Yusuke Fujino, Hisaaki Ishiguro, Satoko Tahara, Naoyuki Kurita, Nakamura Shotaro, Takeshi Nojo, Sunao Nakamura, New Tokyo Hospital, Matsudo, Chiba, Japan

72 - Protective Effect of Beta-Blockers on Chemotherapy Induced Cardiomyopathy: A Meta-Analysis of Prospective Studies  
Carlos R. Manrique, Pedro Villablanca Spinetto, Nidhish Tiwari, Jorge Romero, Ulrich Jorde, Mario Garcia, Montefiore Medical Center, Bronx, NY, USA

85 - Effect of Candesartan and Metoprolol on Subclinical Myocardial Injury During Anthracycline Therapy: Data From the Prevention of Cardiac Dysfunction During Adjuvant Breast Cancer Therapy (PRADA) Study  
Geeta Gulati, Siri Lagethon Heck, Jurgen Geisler, Morten W. Fagerland, Pavel Hoffmann, Berit Gravdehaug, Kjetil Steine, Anne H. Ree, Helge Rosjo, Torbjorn Omland, Akershus University Hospital, Lorenskog, Norway, Univeristy of Oslo, Oslo, Norway

86 - Myocardial Bridging Is Associated With Worse In-Hospital Outcome in Patients With Takotsubo Cardiomyopathy  
Ken Kato, Yuichi Saito, Yoshiaki Sakai, Iwao Ishibashi, Toshiharu Himi, Yoshihide Fujimoto, Yoshio Kobayashi, Chiba University Graduate School of Medicine, Chiba, Japan

87 - A Study of Trends and In-Hospital Management and Outcomes in Acute Myocarditis: Results From the National Inpatient Sample (NIS) Database  
Zubair Shah, Reza Masoomi, Matthew Lippmann, Buddhadeb Dawn, Kamal Gupta, University of Kansas Medical Center, Kansas City, KS, USA

88 - Galectin-3 Levels and Outcomes in Peripartum Cardiomyopathy: Results From the Multicenter IPAC Investigation  
Kate Elizabeth Groh, Rami Alharethi, Gregory Ewald, Michael Givertz, G. Michael Felker, Jessica Pisarcik, Karen Hanley-Yanez, Indrani Halder, Charles McTiernan, Dennis McNamara, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

89 - Ecg Abnormalities Compared to Extent of Myocardial Fibrosis in Boys With Duchenne Muscular Dystrophy  
Kan N. Hor, Sharath Subramanian, Tyler Moran, Kathleen Lao, Bipul Gnyawali, Linda Cripe, Karolina Zareba, Subha Raman, Nationwide Children's Hospital, Columbus, OH, USA, The Ohio State University, Columbus, OH, USA

90 - Transthyretin Cardiac Amyloidosis Is Prevalent Among Men With Severe Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement  
Adam Castano, David Narotsky, Susheel Kodali, Tamim Nazif, Isaac George, Torsten Vahl, Nadira Hamid, Rebecca Hahn, Rachelle Morgenstern, Sabahat Bokhari, Mathew Maurer, Columbia University Medical Center, New York, NY, USA

91 - Cardiac Involvement in Eosinophilic Granulomatosis With Polyangitis  
Mina Nakayama, Yukiko Morita, Megumi Yamamuro, Naoki Nakayama, Yuichi Okajima, Shinnosuke Kikuchi, Toru Dejima, Yoriko Horiguchi, Masahiko Kanna, Kazuo Kimura, Satoshi Umemura, National Hospital Organization Sagamiara National Hospital, Sagamiara, Japan, Graduated School of Medical Sciences, Kumamoto University, Kumamoto, Japan

92 - Late Gadolinium Enhancement and Extracellular Volume as Markers of Arrhythmia Risk in Hypertrophic Cardiomyopathy  
Jonathan Levine, Gillian Murtagh, Jeremy Collins, James Carr, Lubna Choudhury, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

93 - Capecitabine Related Cardiotoxicity: A Meta-Analysis of Randomized Controlled Trials  
Samah Alkharji, Thao Huynh, McGill University, Montreal, Canada

94 - CCR5del32 Genotype as a Predictive Marker for Human Enteroviral Cardiomyopathy  
Dirk Lassner, Christine S. Siegismund, Uwe Kuehl, Felicitas Escher, Carsten Tschoepe, Heinz-Peter Schultheiss, Institute Cardiac Diagnostics and Therapy, Berlin, Germany, Charite University Hospital, Berlin, Germany

95 - Soluble IL2 Receptor and Survival in Recent Onset Cardiomyopathy: Results of IMAC2  
Dennis M. McNamara, Leslie Cooper, Richard Sheppard, Jeffrey Alexis, Daniel Pauly, Karen Hanley-Yanez, Indrani Halder, Charles McTiernan, for the IMAC2 Investigators, University of Pittsburgh, Pittsburgh, PA, USA

96 - Utility of Pre-Procedural Imaging in Predicting Diagnostic Yield of Voltage Guided Biopsies  
Suraj Kapa, Peter Noseworthy, Samuel Asirvatham, Mayo Clinic College of Medicine, Rochester, MN, USA

97 - Contemporary Diabetic Cardiomyopathy Is Characterized by Concentric Remodeling and Diastolic Dysfunction - Not Left Ventricular Hypertrophy or Systolic Dysfunction  
Peter Godsk Jørgensen, Magnus Jensen, Rasmus Mogelvang, Thomas Hansen, Søren Galatius, Tor Biering-Sørensen, Heidi Storgaard, Tina Vilbøll, Peter Rossing, Jan Jensen, Department of Cardiology, Herlev and Gentofte Hospital, Hellerup, Denmark

98 - Risk Stratification in Wild-Type Transthyretin Amyloidosis  
Arnt V. Kristen, Ralf Bauer, Fabian aus dem Siepen, Selina Hein, Matthias Aurich, Johannes Riffel, Hugo A. Katus, Sebastian Buss, Department of Cardiology, Heidelberg, Germany

### Heart Failure and Cardiomyopathies - Poster Contributions Session #1251

#### Heart Failure and Cardiomyopathies: Medical Therapy/Clinical Trials

Monday, April 4, 2016, 9:30 a.m. - 12:30 p.m.

Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

73 - Renal Tubular Resistance, Rather Than Diuretic Delivery, Is the Primary Driver for Diuretic Resistance in Acute Heart Failure Patients  
Jozine M. ter Maaten, Veena Rao, Jennifer Simon, Mahlet Assefa, Sam Broughton, Karen Modesto, Kevin Damman, Adriaan Voors, Wai Hong Tang, Jeffrey Testani, Program of Applied Translational Research Yale University, New Haven, CT, USA, University Medical Center Groningen, Groningen, The Netherlands

74 - Impact of Enhanced External Counterpulsation on Heart Failure Rehospitalization Among Patients With Ischemic Cardiomyopathy  
Kristen Tecson, Marc Silver, Sonja Brune, Clay Cauthen, Michael D. Kwan, Jeffrey Schussler, Anupama Vasudaven, James A. Watts, Peter A. McCullough, Baylor Heart and Vascular Institute, Dallas, TX, USA

75 - Two-Thirds of Heart Failure Patients Who Meet the FDA-Approved Indication for Sacubitril/Valsartan Do Not Meet PARADIGM-HF Enrollment Criteria After Recent Hospitalization  
Antonio Perez, Verapras Kittipibul, Wai Hong Tang, Randall Starling, Cleveland Clinic, Cleveland, OH, USA

76 - Risk of Heart Failure and Adverse Cardiovascular Outcomes With Dipeptidyl Peptidase-4 Inhibitors in Type 2 Diabetic Patients: A Meta-Analysis of Randomized Controlled Trials  
Amartya Kundu, Partha Sardar, Sreeparna Ghosh, Saurav Chatterjee, Theo Meyer, University of Massachusetts Medical School, Worcester, MA, USA





77 - Initiation of Loop Diuretics Has No Association With 30-Day All-Cause or Heart Failure Readmissions or All-Cause Mortality in Older Medicare Beneficiaries Hospitalized for Heart Failure

Taimoor Hashim, Charity Morgan, Sijian Zhang, Sumanth Prabhu, Prakash Deedwania, Ross Fletcher, Gregg Fonarow, Javed Butler, Wilbert Aronow, Wen-Chih H. Wu, Chris Adamopoulos, Ioannis Kanonidis, Stefan D. Anker, Richard M. Allman, Ali Ahmed, University of Alabama at Birmingham, Birmingham, AL, USA

78 - Mortality Following Initiation or Discontinuation of Guideline Directed Medical Therapies in Hospitalized Heart Failure Patients in the Atherosclerosis Risk in Communities Study

Richard Tran, Ahmed Aldemerdash, Patricia Chang, Carla Sueta, Brystana Kaufman, Josephine Asafu-Adjei, Orly Vardeny, Eliza Daubert, Anna Kucharska-Newton, Sally Stearns, Jo Rodgers, UNC Eshelman School of Pharmacy, Chapel Hill, NC, USA, UNC Gillings School of Public Health, Chapel Hill, NC, USA

79 - Vasopeptidase Inhibition Improves Survival in Patients With Heart Failure: Meta-Analysis of Randomized Controlled Trials

Bhavi Pandya, Achint Patel, Shreya Pandya, Armaghan Soomro, Jonathan Spagnola, Sainath Gaddam, Ruben Kandov, James Lafferty, Staten Island University Hospital, Staten Island, NY, USA

80 - Multiple Intravenous Infusions of Vepoloxamer (Purified Poloxamer - 188) Elicit Progressive Improvements in Plasma Biomarkers in Dogs With Advanced Heart Failure

Hani N. Sabbah, Ramesh C. Gupta, Vinita Sing-Gupta, Kefei Zhang, Marty Emanuele, Henry Ford Hospital, Detroit, MI, USA, Mast Therapeutics, Inc., San Diego, CA, USA

81 - Meta-Analysis and Meta-Regression of the Effect of Phosphodiesterase Type 5 Inhibition in Heart Failure: More Benefit for Higher Pulmonary Pressures?

In-Chang Hwang, Yong-Jin Kim, Jun-Bean Park, Yeonyee Yoon, Seung-Pyo Lee, Hyung-Kwan Kim, Goo Yeong Cho, Dae Won Sohn, Seoul National University Hospital, Seoul, South Korea, Seoul National University College of Medicine, Seoul, South Korea

82 - Mind the Gap: Palliative Care Knowledge Among Cardiovascular Clinicians

Craig Alpert, Ellen Hummel, Scott Hummel, Kimberlee Gauvreau, Kelli Bohannon, Stephanie Cooper, Sarah Goodlin, Richard Josephson, Kelly Ann Light-McGroary, Keith Swetz, Paul Hauptman, Abby Cestoni, Mathew Maurer, Jorge Brenes Salazar, Caroline Doherty, Elizabeth Blume, James Kirkpatrick, American College of Cardiology, Washington, DC, USA, University of Pennsylvania, Philadelphia, PA, USA

83 - Influence of Clinical Trial Site Enrollment on Patient Characteristics, Protocol Completion, and Endpoints: Insights From the ASCEND-HF Trial

Stephen Greene, Adrian Hernandez, Jie-Lena Sun, Marco Metra, Javed Butler, Andrew Ambrosy, Justin Ezekowitz, Randall Starling, John Teerlink, Adriaan Voors, Paul Armstrong, Christopher O'Connor, Robert Mentz, Duke Clinical Research Institute, Durham, NC, USA, Duke University Medical Center, Durham, NC, USA

84 - Predictors of Cardiac Magnetic Resonance-Assessed Reverse Remodeling in Non-Ischemic Dilated Cardiomyopathy

Giuseppe Vergaro, Lorenzo Nesti, Andrea Barison, Concetta Prontera, Silvia Masotti, Giovanni Donato Aquaro, Aldo Clerico, Roberta Poletti, Claudio Passino, Michele Emdin, Fondazione Toscana Gabriele Monasterio, Pisa, Italy

### Heart Failure and Cardiomyopathies - Moderated Poster Contributions

#### Session #1274M

#### The Almighty ECMO

Monday, April 4, 2016, 9:45 a.m. - 10:30 a.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater, Poster Area, South Hall A1

CME Hours: 0.75 /CNE Hours: 0.75

9:45 a.m.

Trends in Extracorporeal Membrane Oxygenation in New York State, 2003-2013

Jaya Batra, Joanna Chikwe, Shinobu Itagaki, Nana Toyoda, Natalia Egorova, Department of Cardiovascular Surgery, Icahn School of Medicine at Mount Sinai, New York, NY, USA, Department of Health Evidence and Policy, Icahn School of Medicine at Mount Sinai, New York, NY, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Outcomes of Venoarterial Extracorporeal Membrane Oxygenation

Andrew Burchett, Thomas Tribble, Richard Charnigo, Susan Smyth, Maya Guglin, University of Kentucky College of Medicine, Lexington, KY, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Refractory Cardiogenic Shock Treated by Veno-Arterial Ecmo; Prognostic Role of Lactate

Ervis Hiso, Daniele Scarpa, Martina Perazzolo Marra, Luciano Babuin, Giuseppe Tarantini, Gino Gerosa, Sabino Iliceto, Luisa Cacciavillani, Università di Padova, Padova, Italy

10:25 a.m.

Question and Answer

ACC Poster Moderator: Maya E. Guglin

ACC Poster Moderator: Biswajit Kar

### Heart Failure and Cardiomyopathies - International Session

#### Session #521

#### 6th Annual ACC China Chapter Session: Heart Failure Evaluation and Pharmacologic Therapy

Monday, April 4, 2016, 10:45 a.m. - 12:15 p.m.

Room N427ab

CME Hours: 1.5 /CNE Hours: 0

Co-Chair: Dayi Hu

Co-Chair: C. Michael Valentine

10:45 a.m.

Cardiovascular Risk Assessment: A Global Perspective  
Zhao Dong

11:05 a.m.

New Medical Treatment Strategies in Heart Failure  
Biykem Bozkurt  
Houston, TX

11:25 a.m.

Percutaneous Devices for the Treatment of LV Remodeling  
Cheuk-Man Yu  
Hong Kong, China



11:45 a.m.

Frequency and Predictors of Recovery and Relapse of Left Ventricular Systolic Dysfunction in Hospitalized Patients with Dilated Cardiomyopathy

Jian Zhang

Beijing, China

12:05 p.m.

Panel Discussion

Panelist: Biykem Bozkurt

Panelist: Zhao Dong

Panelist: Jian Zhang

Panelist: Cheuk-Man Yu

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #741

#### Managing Cardiogenic Shock - Drugs to ECMO

Monday, April 4, 2016, 10:45 a.m. - 12:15 p.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: John V. Conte

Co-Chair: Robert Kormos

Panelist: Rhondalyn Forde-McLean

Panelist: John C. Gurley

Panelist: KellyAnn Light-McGroary

Panelist: Francis D. Pagani

Panelist: Jeffrey Teuteberg

10:45 a.m.

Hemodynamic Monitoring and Drug Therapy for Cardiogenic Shock

Rhondalyn Forde-McLean

Philadelphia, PA

11:00 a.m.

Percutaneous Mechanical Support for Cardiogenic Shock

John C. Gurley

Lexington, KY

11:15 a.m.

ECMO as Salvage Therapy in Cardiogenic Shock

Francis D. Pagani

Ann Arbor, MI

11:30 a.m.

Determining Candidacy for DT VAD or Transplant in the Setting of Cardiogenic Shock

Jeffrey Teuteberg

Pittsburgh, PA

11:45 a.m.

A Bridge to No Where - Palliative Care for Those Who Will Not Survive

KellyAnn Light-McGroary

Iowa City, IA

12:00 p.m.

Panel Discussion: Strategies for the Management of Cardiogenic Shock

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #742

#### The Great Debate - Politically Correct Heart Failure

Monday, April 4, 2016, 10:45 a.m. - 12:15 p.m.

Room S406b

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Douglas D. Schocken

Co-Chair: Ronald Witteles

10:45 a.m.

Debate: 30 Day Readmission Is Metric for Quality - Pro  
Farzad Mostashari

10:57 a.m.

Debate: 30 Day Readmission Is Metric for Quality - Con

Gregg C. Fonarow

Los Angeles, CA

11:09 a.m.

Rebuttal

11:12 a.m.

Rebuttal

11:15 a.m.

Debate: Anyone Can Treat Heart Failure - Pro

Joseph S. Alpert

Tucson, AZ

11:27 a.m.

Debate: Anyone Can Treat Heart Failure - Con

Maria Rosa Costanzo

Naperville, IL

11:39 a.m.

Rebuttal

11:42 a.m.

Rebuttal

11:45 a.m.

Debate: Implantable Hemodynamic Monitors Are a Must - Pro

Maya E. Guglin

Tampa, FL

11:57 a.m.

Debate: Implantable Hemodynamic Monitors Are a Must - Con

J. Thomas Heywood

La Jolla, CA

12:09 p.m.

Rebuttal

12:12 p.m.

Rebuttal

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #756

#### HFpEF - Are We Making Any Progress?

Monday, April 4, 2016, 12:30 p.m. - 1:45 p.m.

Room S401

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Thomas H. Marwick

Co-Chair: Margaret M. Redfield

12:30 p.m.

HFpEF - How to Diagnose in 2016?

Marco Guazzi

12:42 p.m.

HFpEF - Is It Really as Common as We Think?

Kumar Dharmarajan

New York, NY

12:54 p.m.

HFpEF Myocardial Mechanisms - Emerging Targets?

Mathew S. Maurer

New York, NY



1:06 p.m.

Peripheral Vascular Mechanisms Underlying HFpEF -  
Julio Chirinos Medina  
Marcus Hook, PA

1:18 p.m.

LVADs and Other Devices for HFpEF?  
Sanjiv Jayendra Shah  
Chicago, IL

1:30 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #757

#### The Pregnant Heart: What You Need to Know

Monday, April 4, 2016, 12:30 p.m. - 1:45 p.m.

Room S406b

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Uri Elkayam

Co-Chair: Carole A. Warnes

12:30 p.m.

Physiologic Changes in Pregnancy  
Jennifer Haythe

12:40 p.m.

Question and Answer

12:42 p.m.

Peripartum Cardiomyopathy: Challenges in Diagnosis and Management  
James D. Fett  
Lacey, WA

12:52 p.m.

Question and Answer

12:54 p.m.

PPCM and Risk of Subsequent Pregnancy - Does Recovery Matter?  
Flora Sam  
Bostob, MA

1:04 p.m.

Question and Answer

1:06 p.m.

Pregnancy in Patients With Pre-Existing Cardiomyopathies  
Anna Herrey  
London, United Kingdom

1:16 p.m.

Question and Answer

1:18 p.m.

PAH and pregnancy: What Are the Risks?  
Paul Forfia  
Philadelphia, PA

1:28 p.m.

Question and Answer

1:30 p.m.

Cardiac Emergencies During Pregnancy  
Athena Poppas  
Providence, RI

1:40 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Moderated Poster Contributions

#### Session #1285M

#### Heart Failure: These Stubborn Re-Admissions

Monday, April 4, 2016, 12:30 p.m. - 1:45 p.m.

Heart Failure and Cardiomyopathies Moderated Poster Theater,  
Poster Area, South Hall A1

CME Hours: 1.25 /CNE Hours: 1.25

12:30 p.m.

Cost Analysis of Heart Failure Readmission Intervention Program  
Timothy Welch, Kenneth Bilchick, Nita Reigle, Jamie Kennedy, Brian Lawlor,  
James Bergin, Mohammad Abuannadi, Kenneth Scully, S. Craig Thomas, Sula  
Mazimba, University of Virginia, Charlottesville, VA, USA

12:40 p.m.

Question and Answer

12:45 p.m.

High Center Volume Is Associated With Lower In-Hospital Mortality in Heart  
Failure Patients: A New York State Wide Analysis of 300,000 Admissions  
Shivank Madan, Daniel Sims, Omar Saeed, Snehal Patel, Jooyoung Shin,  
Sandhya Murthy, Ileana Pina, Mario Garcia, Ulrich Jorde, Albert Einstein  
College of Medicine/Motefiore Medical Center, New York, NY, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Impact on Readmissions and Mortality of Heart Failure Readmission  
Intervention Program

Sula Mazimba, Nita Reigle, Timothy Welch, Jamie Kennedy, Bryan Lawlor,  
James Bergin, Mohammad Abuannadi, Kenneth W. Scully, S. Craig Thomas,  
Kenneth Bilchick, University of Virginia, Charlottesville, VA, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Predicting Heart Failure Events With Home Monitoring: Use of a Novel,  
Wearable Necklace to Measure Stroke Volume, Cardiac Output and Thoracic  
Impedance

Raj M. Khandwalla, Kade Birkeland, Raymond Zimmer, Matthew Banet, Susan  
Pede, Ilan Kedan, Cedars-Sinai Medical Center, Beverly Hills, CA, USA,  
toSense Inc, La Jolla, CA, USA

1:25 p.m.

Question and Answer

1:30 p.m.

In Hospital Use of Non-Steroidal Anti-Inflammatory Agents in Patients With a  
Principal Diagnosis of Heart Failure Is Associated With Increased Length of  
Stay and 30-Day Readmission Rate

Paulino Alvarez, David Putney, Richard Ogunti, Stephen Wong, Mamta  
Puppala, Robert Schutt, Jerry Estep, Houston Methodist Hospital, Houston,  
TX, USA

1:40 p.m.

Question and Answer

ACC Poster Moderator: Sarah J. Goodlin

ACC Poster Moderator: Wayne C. Levy



### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #768

#### The World of Cardio-Oncology

Monday, April 4, 2016, 2 p.m. - 3:30 p.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Joseph Carver

Co-Chair: Thomas Force

2:00 p.m.

Anthracycline-Induced Cardiotoxicity

Daniel J. Lenihan

2:12 p.m.

Question and Answer

2:15 p.m.

Trastuzumab-Induced Cardiotoxicity

Ana Barac

Washington, DC

2:27 p.m.

Question and Answer

2:30 p.m.

VEGF Inhibitors – Induced Cardiotoxicity

Javid Moslehi

Nashville, TN

2:42 p.m.

Question and Answer

2:45 p.m.

Imaging in Chemotherapy Induced Cardiotoxicity

Bonnie Ky

Philadelphia, PA

2:57 p.m.

Question and Answer

3:00 p.m.

Chemotherapy-Induced Cardiotoxicity: Role of Biomarkers

Daniela Cardinale

Milan, Italy

3:12 p.m.

Question and Answer

3:15 p.m.

Pharmacologic Prevention of Chemotherapy Induced Cardiotoxicity

Maya E. Guglin

Tampa, FL

3:27 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #769

#### Heart Failure Plus: Co-Morbidities

Monday, April 4, 2016, 2 p.m. - 3:30 p.m.

Room S406b

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Anita Deswal

Co-Chair: Gerasimos S. Filippatos

2:00 p.m.

HF and Sleep Apnea

Lee R. Goldberg

2:12 p.m.

Question and Answer

2:15 p.m.

Does Diabetes Precipitate Heart Failure?

Tamara Horwich

Los Angeles, CA

2:27 p.m.

Question and Answer

2:30 p.m.

Does Heart Failure Precipitate Diabetes?

Maya E. Guglin

Tampa, FL

2:42 p.m.

Question and Answer

2:45 p.m.

Which Agents Are Safe and Beneficial in Treatment of Diabetes in Patients With Heart Failure ?

Biykem Bozkurt

Houston, TX

2:57 p.m.

Question and Answer

3:00 p.m.

HF, Obesity, and Hypertension

David Aguilar

Houston, TX

3:12 p.m.

Question and Answer

3:15 p.m.

Heart Failure and Atrial Fibrillation

Denis Roy

Montreal, Canada

3:27 p.m.

Question and Answer

### Heart Failure and Cardiomyopathies - Scientific Session

#### Session #783

#### Hospital to Home: Risk and Opportunity

Monday, April 4, 2016, 3:45 p.m. - 5:15 p.m.

Room S401

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Judy Tingley

Co-Chair: Joyce Wanglee Wald

Panelist: Gregg C. Fonarow

Panelist: Nancy M. Albert

Panelist: Kathleen Grady

Panelist: Barbara Riegel

3:45 p.m.

Case (s) Presentation: Complex Transition From Hospital to Home

Marci Farquhar-Snow

Scottsdale, AZ



3:55 p.m.

Focusing on the Team - Multidisciplinary Approach to Improve Outcomes

Kathleen Grady

Chicago, IL

4:05 p.m.

Focusing on the Hospital - Patient Navigator Program to Improve Hospital  
Performance

Nancy M. Albert

Chesterland, OH

4:20 p.m.

Focusing on the Patient - Methods to Improve Self Care

Barbara Riegel

Philadelphia, PA

4:35 p.m.

Lessons From the Registries - Opportunities to Improve Transitions for Heart  
Failure Patients

Gregg C. Fonarow

Los Angeles, CA

4:50 p.m.

Panel Discussion: Overcoming Challenges to the Perfect Transition