Saturday - Sunday, September 26-27
Session.Number:PO1-01
Cardiovascular Physiology

017
**Pulse Amplitude Ratio Measured Using Finger Photoplethysmography During a Valsalva Maneuver Estimates Pulmonary Capillary Wedge Pressure in Heart Failure Patients**
Nisha A. Gilotra, Ryan J. Tedford, Ilan S. Wittstein, Stuart D. Russell, Harry A. Silber. Johns Hopkins Hospital, Baltimore, MD

018
**Right Ventricular Stroke Work Index is Inversely Related to Renal Function in Patients with Left Ventricular Diastolic Heart Failure**
Qaiser Shafiq, Bhavana Siddegowda Bangalore, Mohamed Elamin, George Moukarbel, Samer Khouri. University of Toledo Medical Center, Toledo, OH

019
**Assessment of Soluble Fms Like Tyrosine Kinase - 1 in Animal Heart Failure Models**
Muhammad Hammadah¹, Malory Weber¹, W.H.Wilson Tang². ¹Cleveland Clinic, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH

020
**Longitudinal Red Cell Distribution Width Variation in African Americans with Acute Decompensated Heart Failure is Associated with Increased Readmissions**
Carlos D. Davila, Mahek Shah, Kuan-Hsiang Gary Huang, Vincent M. Figueredo. Albert Einstein Medical Center, Philadelphia, PA

021
**Significant Enhancement of ATP-Synthesis in Cardiomyocytes By Electric Microcurrent**
Karin Macfelda¹, Alexander Holly¹, Johannes Mueller². ¹Medical University of Vienna, Vienna, Austria; ²Berlin Heals, Berlin, Germany

022
**Features of Transthyretin Cardiomyopathy Patients With 6 Specific Cardiac Genotypes in the THAOS Registry.**

Session.Number:PO1-02
Session.Title:Cardiovascular Structure/ Imaging

023
**POCUS as a Tool to Estimate PCWP**
James Regan, Sirtaz Adatya, Andrew Olson, Daniel Schnobrich. University of Minnesota, Minneapolis, MN

024
Dilated Cardiomyopathy Causes Significant Derangement in Biventricular Mechanics Not Fully Appreciated By Simply Measuring Left Ventricular Ejection Fraction Alone
Francisco Lopez-Menendez¹, Denada Palm², Angel Lopez-Candales³. ¹University Of Cincinnati Medical Center, Cincinnati, OH; ²University Of Cincinnati Medical Center, Cincinnati, OH; ³University of Puerto Rico School of Medicine, San Juan, Puerto Rico

025
Effect of Preload on Right Ventricular Peak Systolic Strain Which Contributes to Right Heart Failure
Chan Seok Park. Catholic University of Korea, Seoul, Korea, Republic of

026
Cardiac Status of Patients Treated With Anthracyclines - A Brazilian Osteosarcoma Study
Maria V. C. Santos, J. A. Soares, G. H. Pinto, C. R. Macedo, C. Dias, A. S. Petrilli, I. Gonçalves, O. Campos, V. A. Moisés, A. C. C. Carvalho. Universidade Federal de São Paulo, São Paulo, Brazil

027
Estimation of Pulmonary Capillary Wedge Pressure by Echocardiography: A Simplified Approach
Rajeev Mohan¹, Hirsch Mehta¹,², Arvin Narula¹, Michael Smith¹, David Rubenson¹, Allen Johnson¹, J. Thomas Heywood¹. ¹Scripps Clinic, La Jolla, CA; ²San Diego Cardiac Center, San Diego, CA

028
Mitral Annular Motion: A Useful Echocardiographic Measure of Left Ventricular Systolic and Diastolic Function
Francisco Lopez-Menendez¹, Denada Palm², Angel Lopez-Candales³. ¹University of Cincinnati Medical Center, Cincinnati, OH; ²University Of Cincinnati Medical Center, Cincinnati, OH; ³University of Puerto Rico School of Medicine, San Juan, Puerto Rico

029
Echocardiographic Measurements Predictive of Left Ventricular Ejection Fraction Recovery
Patrick Hohl¹, Richard Pinckney², Martin LeWinter¹. ¹University of Vermont Medical Center, Burlington, VT; ²University of Vermont Medical Center, Burlington, VT

030
Impact of Pre-transplant Cirrhotic Cardiomyopathy on Long-Term Mortality in the Liver Recipients
Thoetchai Peeraphatdit¹, Niyada Naksuk², Chayakrit Krittanawong², Charat Thongprayoon³, Paola Ricci⁴, Roongruedee Chaiteeraki⁵, Lewis R. Roberts¹, Kyle Klarich⁶. ¹University of Minnesota, Minneapolis, MN; ²Mayo Clinic, Rochester, MN; ³Mayo Clinic, Rochester, MN; ⁴Minneapolis Veterans Affairs Health Care System, Minneapolis, MN; ⁵Mayo Clinic, Rochester, MN; ⁶Mayo Clinic, Rochester, MN

031
Relationship of Right Ventricular Function and Respiratory Status in a Large Cohort of Duchenne Muscular Dystrophy
Muddassir Mehmood¹, Michael D. Taylor², John L. Jefferies³, Subha V. Raman³, Stephanie Ambach⁴, Wojciech Mazur⁵. ¹Allegheny General Hospital, Pittsburgh, PA; ²Cincinnati Children’s Hospital, Cincinnati, OH; ³Ohio State University, Columbus, OH; ⁴University of Cincinnati, Cincinnati, OH; ⁵The Christ Hospital, Cincinnati, OH
Minute Ventilation-Targeted Adaptive Servo Ventilation Improves Subendocardial Injury in Acute Decompensated Heart Failure Patients as Assessed Through Decreases in High-Sensitivity Cardiac Troponin I
Elizabeth Lee¹, Matt Kawahara¹, Trenton Gluck¹, Boris Arbit¹,², Kathleen Sarmiento¹,², Atul Malhotra¹,², Alan Maisel¹,². ¹Veterans Affairs San Diego Healthcare System, San Diego, CA; ²University of California, San Diego, La Jolla, CA

Relationship Between Serum Neuregulin Level and Subsequent Cardiac Function Among Patients with Systolic Heart Failure
Ugochukwu O. Egolum, Sandip Zalawadiya, Daniel Lenihan. Vanderbilt University, Nashville, TN

The Clinical Implications of Cardiac Troponin I Measured by an “Ultrasensitive” Assay in Acute Decompensated Heart Failure: Insights from ASCEND-HF
Justin L. Grodin¹, Adrian F. Hernandez², Javed Butler³, Marco Metra⁴, G. Michael Felker⁵, Adrian Voors⁶, John J. McMurray⁷, Paul W. Armstrong⁸, Randall C. Starling³, Christopher O’Connor⁵, W. H. Wilson Tang⁴. ¹Cleveland Clinic, Cleveland, OH; ²Duke University Medical Center, Durham, NC; ³Stony Brook University, Stony Brook, NY; ⁴University of Brescia, Brescia, Italy; ⁵Duke University Medical Center, Durham, NC; ⁶University of Groningen, Groningen, Netherlands; ⁷University of Glasgow, Glasgow, United Kingdom; ⁸University of Alberta, Edmonton, AB, Canada

Association Between Serum Ghrelin levels and Congestive Heart Failure: A Meta Analysis
Pradyumna Agasthi¹, Sivakanth Aloor², Nchang Taka¹, Vijaya Sena Reddy Dendi³, Avantika Chenna¹, Anekwe Onwuanyi⁴. ¹Morehouse School of Medicine, Atlanta, GA; ²University of Miami, Miami, FL; ³Wright Center for Graduate Medical Education, Scranton, PA; ⁴Morehouse School of Medicine, Atlanta, GA

Adrenomedullin Helps Risk Stratify Patients With Pre-Clinical Diastolic Dysfunction
Jeremy Egnatios¹, Nick Marston², Boris Arbit³, Elizabeth Lee⁴, Hermineh Aramin⁴, Joachim Struck⁵, Alan S. Maisel³. ¹University of California San Diego, San Diego, CA; ²University of California San Diego and VA-San Diego Health System, San Diego, CA; ³University of California San Diego and VA-San Diego Health System, San Diego, CA; ⁴VA- San Diego Health System, San Diego, CA; ⁵Sphingotec Gmbh, Berlin, Germany

Renal Biomarkers Predict Adverse Outcomes in Heart Failure with Preserved Ejection Fraction
Aaron Singh¹, Sheldon S. G. Lee¹, Puay Joo Tan², Huang Pei², Cao Yan³, Carmen J. W. Kam⁴, Siang Chew Chai¹, Tek Siong Chee¹, Khim Leng Tong¹, Gerard K. T. Leong¹. ¹Changi General Hospital, Singapore, Singapore; ²Changi General Hospital, Singapore, Singapore; ³Changi General Hospital, Singapore, Singapore; ⁴Changi General Hospital, Singapore, Singapore
038
Prognostic Implications of Serum Chloride Levels in Patients with Stable Heart Failure
Justin L. Grodin, Frederik H. Verbrugge, Stanely L. Hazen, W. H. Willson Tang. Cleveland Clinic, Cleveland, OH

039
Predictive Value of 1, 25-dihydroxyvitamin D to PTH(1-84) Ratios for Cardiovascular Death in Heart Failure
Damien Gruson, Sylvie Ahn, Michel Rousseau. Cliniques Universitaires Saint Luc, Brussels, Belgium

040
The Presence of IgG3 Autoantibody Against β1 Adrenergic Receptors is Associated with Favorable Myocardial Recovery in Patients with Recent Onset Cardiomyopathy - a Post-hoc Analysis of IMAC-2 Study
Yuji Nagatomo, Dennis M. McNamara, Jeffrey D. Alexis, Leslie T. Cooper, G. William Dec, Daniel F. Pauly, Richard Sheppard, Randall C. Starling, W. H. Wilson Tang. Cleveland Clinic, Cleveland, OH; University of Pittsburgh Medical Center, Pittsburgh, PA; University of Rochester Medical Center School of Medicine and Dentistry, Rochester, NY; Mayo Clinic Jacksonville, Jacksonville, FL; Massachusetts General Hospital, Boston, MA; Truman Medical Centers, Kansas City, MO; Jewish General Hospital, Montreal, QC, Canada

041
Telomere Length as a Biomarker and Potential Contributor of Heart Failure Progression
Elizabeth Silver, Aleksandra Ras, Christine Cosgrove, Patricia Sheiner, Jason Gluck, Detlef Wencker, Cara Statz. Hartford Hospital, Hartford, CT; University of Kansas Medical Center, Kansas City, KS

042
Minute Ventilation-Targeted Adaptive Servo Ventilation Reduces Kidney Injury In Patients With Acute Decompensated Heart Failure
Matt Kawahara, Boris Arbit, Elizabeth Lee, Trenton Gluck, Kathleen Sarmiento, Atul Malhotra, Alan Maisel. Veterans Affairs San Diego Healthcare System, San Diego, CA; University of California, San Diego, La Jolla, CA

043
Urinary Angiotensinogen is Increased in Human Heart Failure
Seethalakshmi Iyer, Denise Heublein, Sherry Benike, John C. Burnett Jr. Mayo Clinic, Rochester, MN

044
Serum Concentrations of Heme Oxigenase-1 are Reduced in Patients with Acute Heart Failure and Preserved Ejection Fraction
Paulino Alvarez, Andrea M. Cordero-Reyes, Keith A. Youker, Javier Amione-Guerra, Cesar Uribe, Arvind Bhimaraj, Barry Trachtenberg, Guha Ashrith, Vijay Nambi, Guillermo Torre-Amione, Jerry D. Estep. The Methodist Hospital, Houston, TX; The Methodist Hospital, Houston, TX; Baylor College of Medicine, Houston, TX; The Methodist Hospital, Houston, TX

Session.Number:PO1-04
Session.Title:Molecular Biology/Genetics/Cell Therapy

045
Presence of Endothelial to Mesenchymal Transition in End Stage Human Myocardial Samples—documentation in Human Heart Failure for the First Time
Cesar Uribe, Andrea M. Cordero-Reyes, Keith A. Youker, Barry H. Trachtenberg, Guha Ashrith, Jerry D. Estep, Guillermo Torre-Amione, Erik E. Suarez, John P. Cooke, Arvind Bhimaraj. The Methodist Hospital, Houston, TX

046 Hypoxia Inducible Factor (HIF) Adaptation After Mechanical Circulatory Unloading of the Heart. A Gene Expression Analysis Study of Paired Myocardial Samples.
Paulino Alvarez, Cesar Uribe, Andrea M. Cordero-Reyes, Keith A. Youker, Guillermo Torre-Amione, Jerry D. Estep. The Methodist Hospital, Houston, TX

047 Evidence of the Presence of Autoantibodies Specific for β1 Adrenergic Receptor in Failing Human Heart Tissue
Yuji Nagatomo, Christine S. Moravec, W. H. Wilson Tang. Cleveland Clinic, Cleveland, OH

048 Carriers of Variants of Unknown Significance Have Intermediate Hypertrophic Cardiomyopathy Phenotypes
Patrick J. Warner, Ashley A. Cronkright, Noreen Dolan, Martin Maron, Gordon S. Huggins. Tufts Medical Center, Boston, MA

049 Neuregulin/ERBB Signaling in Human Ventricular Myocardial Progenitor Cells
Sergey Ryzhov¹, Oleg Tikhomirov¹, Rutwik Rath¹, Douglas B. Sawyer²,¹. ¹Maine Medical Center Research Institute, Scarborough, ME; ²Maine Medical Center, Portland, ME

Session.Number:PO1-05
Session.Title:Surgery/Transplantation/Devices

050 Impact of Patient Comorbidities on Post-Implant Outcomes Among Patients Receiving Ventricular Assist Devices in a Commercially Insured Population
Jiang Tao, Wade Bannister, Charlotte Wu, Frank D. Irwin. Optum, Eden Prairie, MN

051 Predictors of Outcome Using Phase II Cardiac Rehabilitation Data in Patients With Durable, Implanted Left Ventricular Assist Devices
Kathleen Morris, Jonathan Shirazi, Milena Jani, I-Wen Wang, Kathleen A. Lane, Stanley Taylor, Changyu Shen, Adnan Malik. IU School of Medicine, Indianapolis, IN

052 Heart rate and respiration during activity measured by an implanted device correlate well with those measured by a CPX machine
Alan J. Bank¹, John Chronakos², Kenneth C. Beck³, Paji Vitoff³, Colleen Delaney³, Julie Thompson³, Yi Zhang³. ¹United Heart & Vascular Clinic, St Paul, MN; ²Danbury Hospital, Danbury, CT; ³Boston Scientific, St Paul, MN
053
The Safety of Right Heart Catheterization in Patients with Continuous-Flow Left Ventricular Assist Devices
Kershaw Patel1, Daniel Rodgers1, Cory Henderson1, Emeka Anyanwu1, Savitri Fedson1, Gene Kim1, Nitasha Sarwato1, Colleen Juricek2, Takeyoshi Ota2, Vallavan Jeevanandam2, Gabriel Sayer2, Nir Uriel1.
1University of Chicago, Chicago, IL; 2University of Chicago, Chicago, IL

054
Assessment of Pre-LVAD Laboratory Parameters to Predict Post LVAD Early Right Ventricular Failure
Burhan Mohamedali1, Gardner Yost2, Geetha Bhat2. 1Rush University Medical Center, Chicago, IL; 2Advocate Christ Medical Center, Oak Lawn, IL

055
Induction Therapy Prior to Heart Transplantation Leads to Freedom from Antibody-mediated Rejection Without Increasing Infection
Yevgeniy Brailovsky, Estefania Oliveros, Val Rakita, Vladimir Lakhter, Huaping Zhao, Daniel Schwartz, Akira Shiose, Yoshiya Toyoda, Rene Alvarez, Alfred Bove, Eman Hamad. Temple University Hospital, Philadelphia, PA

056
Baseline Pulmonary Function and Outcomes in Patients Receiving Left Ventricular Assist Devices
Suraj Raheja, Cristina Tita, Celeste Williams, Jeffrey A. Morgan, Hassan Nemeh, Yelena Selektor, Chetan Bhardwaj, Robert Brewer, Jamil Borgi, Mauricio Velez, David E. Lanfear. Henry Ford Hospital, Detroit, MI

057
Relationship of Baseline Right Ventricle Function with Response to Cardiac Resynchronization Therapy
Abhishek Sharma1, Ajay Vallakati2, Sunny Goel3, Carl J. LAVIE4, John Kassotis1, Debabrata Mukherjee5, Jason M. Lazar1. 1State University of New York, Downstate Medical Center, Brooklyn, NY; 2Metrohealth Medical Center, Case Western Reserve University, Cleveland, OH; 3Maimonides Medical Center, Brooklyn, NY; 4John Ochsner Heart and Vascular Institute, Ochsner Clinical School-the University of Queensland School of Medicine, New Orleans, LA; 5Texas Tech University, El Paso, TX

058
Prophylactic Intra-Aortic Balloon Pumping before Implantation of Ventricular Assist Device Improves Perioperative Clinical Course and Medical Expenses in Patients with INTERMACS Profile II
Teruhiko Imamura1, Koichiro Kinugawa1, Daisuke Nitta2, Masaru Hatano2, Osamu Kinoshita3, Kan Nawata4, Minoru Ono5. 1Graduate School of Medicine, University of Tokyo, Tokyo, Japan; 2Graduate School of Medicine, University of Tokyo, Tokyo, Japan; 3Graduate School of Medicine, University of Tokyo, Tokyo, Japan; 4Graduate School of Medicine, University of Tokyo, Tokyo, Japan; 5Graduate School of Medicine, University of Tokyo, Tokyo, Japan

059
Clinical Characteristics of Patients with Suspected Left Ventricular Assist Device Thrombosis who Respond to Intensified Anticoagulation
Demetrios G. Doukas1, Neelam Balasubramanian1, Stephanie A. Kliethermes1, Joseph I. Bailey1, Brett Dubner1, Edith Boyes1, Jeffery P. Schwartz2, Alain L. Heroux3, Erin Coglianese3. 1Loyola University Medical Center, Maywood, IL; 2Loyola University Medical Center, Maywood, IL; 3Loyola University Medical Center, Maywood, IL
Socioeconomic Status May be a Marker of Risk for Clinical Outcomes with Continuous Flow Ventricular Assist Devices
Mustafa Ahmed¹, Christopher Le², Alexander Bolanos³, Juan A. Aranda, Jr¹, Charles T. Klodell Jr⁴.
¹University of Florida, Gainesville, FL; ²University of Florida, Gainesville, FL; ³University of Florida, Gainesville, FL; ⁴University of Florida, Gainesville, FL

Trends in LVADs and Orthotropic Heart Transplantations in the Older and Higher Comorbid Demographics for 2003-2011
Zubair Shah¹, Arun Mahankali Sridhar¹, Sameer Chaudhari², Buddhadeb Dawn¹, Gurusher Panjrah³.
¹University of Kansas Medical Center, Kansas City, KS; ²Beth Israel Medical Center, Newark, Newark, NJ; ³George Washington University School of Medicine and Health Sciences, Washington DC, DC

Caregiving Affects the Quality of Life of Patients and their Caregivers after Mechanical Circulatory Support
Susan Magasi¹, Sarah K. Buono², Clyde W. Yancy³, Kathleen L. Grady⁴. ¹University of Illinois at Chicago, Chicago, IL; ²Northwestern University, Chicago, IL; ³Northwestern University, Chicago, IL; ⁴Northwestern University, Chicago, IL

Changes in Pulmonary Function After Left Ventricular Assist Device Implantation
Suraj Raheja, Mauricio Velez, Chetan Bhardwaj, Jeffrey A. Morgan, Robert Brewer, Hassan Nemeh, Yelena Selektor, Celeste Williams, Jamil Borgi, Cristina Tita, David E. Lanfear. Henry Ford Hospital, Detroit, MI

Heart Failure Related Hospitalization and Mortality after Aortic Valve Replacement
Vincent Chan¹, Fraser Rubens¹, Maria Koullick², Dan Gutfinger², Manya Harsch³, Marc Ruel¹. ¹University of Ottawa, Ottawa, ON, Canada; ²St. Jude Medical, Plymouth, MN; ³Technomics Research, Minneapolis, MN

Invasive Hemodynamics in Severely Obese Patients Following Continuous-Flow Left Ventricular Assist Device Implantation
Kershaw V. Patel¹, Cory Henderson¹, Emeka Anyanwu¹, Savitri E. Fedson¹, Gene H. Kim¹, Nitasha Sarswat¹, Colleen Juricek², Takeyoshi Ota³, Valluvan Jeevanandam², Gabriel Sayer¹, Nir Uriel¹. ¹University of Chicago, Chicago, IL; ²University of Chicago, Chicago, IL

Safety and Long Term Outcomes of Using Beta Blockers After Heart Transplantation
Amaninderpal S. Ghotra, Christopher Angus, John Price, Zeeshan Hussain², Kelly McCants, Mark S. Slaughter, Allen Cheng, Andrew Lenneman, Emma J. Birks. University of Louisville, Louisville, KY

Reversibility of Restrictive Pulmonary Function Post Cardiac Transplantation
Carolyn M. Rosner, Gurusher Panjrath, Ramesh Singh, Shashank S. Desai, Anthony J. Rongione. Inova Health System, Falls Church, VA

068
The Relation Between Liver Dysfunction and Gastrointestinal Bleeding in Patients with Ventricular Assist Devices
David Lowe¹, Georg Wieselthaler¹, Liviu Klein². ¹UCSF, San Francisco, CA; ²UCSF, San Francisco, CA

069
Hemodynamic Effects of Intra-Aortic Balloon Counterpulsation in Patients with Advanced Heart Failure
Lyanne Buiten, Vikram Paruchuri, Duc Thinh Pham, Michael Kiernan, David DeNofrio, Carey Kimmelstiel, Navin K. Kapur. Tufts Medical Center, Boston, MA

070
Elevated Right Atrial Pressure Predicts Post Heart Transplant Outcomes
Carolyn M. Rosner, Anthony J. Rongione, Gurusher Panjrath, Palak Shah, Shashank S. Desai, Ramesh Singh. Inova Health System, Falls Church, VA

071
VNS Does Not Reduce Heart Failure Progression in a Canine High Rate Pacing Model of HF
Avram Scheiner. Medtronic, Mounds View, MN

072
Early Elevated Pump Power and Associated Hemolysis Amongst HeartMate II Left Ventricular Assist Devices
Anjan Tibrewala, Michael Nassif, David Raymer, Justin Vader, Shane LaRue, Scott Silvestry, Greg Ewald. Washington University, St. Louis, MO

073
Discharge Glomerular Filtration Rate (GFR) as a Predictor of Outcomes Post Left Ventricular Assist Device Placement
Burhan Mohamedali¹, Gardner Yost², Geetha Bhat². ¹Rush University Medical Center, Chicago, IL; ²Advocate Christ Medical Center, Oak Lawn, IL

074
Longevity Performance of St. Jude Medical ICDs at a Single Center
Raffaele Corbisiero¹, Pherson Charlelne¹, Ellen Cleary¹, Marlene Belsito¹, David Muller². ¹Deborah Heart & Lung Center, Browns Mills, NJ; ²St Jude Medical, Sylmar, CA

075
Use of Basiliximab is Associated with Similar Outcomes Post Orthotopic Heart Transplantation: A Single Center Experience
Esther Vorovich, Maria Molina, Tamara Claridge, Mary Williams, Susan Chambers, Christine Gearhart, Patricia Stutman, Donna Chojnowski, Wilhelmina Maslanek, Payman Zamani, Edo Y. Birati, Anjali T. Owens, Lee R. Goldberg. University of Pennsylvania, Philadelphia, PA

076
Effect of Donor Blood Transfusions on Post Heart Transplant Outcomes
Carolyn M. Rosner, Ramesh Singh, Gurusher Panjrath, Palak Shah, Shashank S. Desai, Anthony J. Rongione. Inova Health System, Falls Church, VA

HeartMate II to HVAD Device Exchange: What Can We Learn?
Kershaw V. Patel¹, Emeka Anyanwu¹, Colleen Juricek², Viktoriya Kagan², Holly Ruedlinger², Whayoun Lee², Takeyoshi Ota², Gabriel Sayer³, Nir Uriel¹, Valluvan Jeevanandam². ¹University of Chicago, Chicago, IL; ²University of Chicago, Chicago, IL

Rapid Reversal of Pulmonary Hypertension in Failing Mustard Physiology After Continuous Flow Systemic Ventricular Assist Device
Joel Simon¹, Mark Turrentine², I-wen Wang³, Marco Caccamo¹, W. Aaron Kay¹. ¹Indiana University, Indianapolis, IN; ²Indiana University, Riley Hospital for Children, Indianapolis, IN; ³Indiana University, Indianapolis, IN

Anticoagulation Intensity and Thrombotic or Bleeding Outcomes in Outpatients with Continuous Flow Left Ventricular Assist Devices
Michael E. Nassif, David S. Raymer, Anjan Tibrewala, Gregory A. Ewald, Shane J. LaRue, Justin M. Vader, Brain F. Gage. Washington University, St. Louis, MO

Diagnostic Yield of a 14 Day Ambulatory ECG Recorder in Patients With Suspected Syncope
Andrew Keibel¹, Steven Carlson², Leslie Saxon², Philip Chang², Rahul Doshi², Jerold Shinbane², Mary Huntsinger². ¹Keck Hospital of USC, Los Angeles, CA; ²Keck Hospital of USC, Los Angeles, CA

Impact of Non-apical Right Ventricular Lead Placement on Left Ventricular Reverse Remodeling and Inter-ventricular Dys-synchrony in Cardiac Resynchronization Therapy: a Meta-analysis
Alok Saurav, Aiman Smer, Muhammad S. Azzouz, Hussam Abuissa, Claire Hunter. Creighton University Medical Center, Omaha, NE

Changes in Left Atrial Appendage Velocities Are Useful Indices to Predict New Onset Atrial Fibrillation Following Transcatheter Aortic Valve Replacement
Tomo Ando¹, David Slvout², Cynthia Taub². ¹Mount Sinai Beth Israel, New York, NY; ²Montefiore Medical Center, Bronx, NY

Subclinical Paroxysmal Atrial Fibrillation in Outpatients with Heart Failure Detected by a Novel Non-invasive Wireless Remote Monitoring Platform
Lyle Olson, Virend Somers, Nancy Lexvold, Paul Friedman, Louis Schenck, Bradley Lewis, Charles Bruce. Mayo Clinic, Rochester, MN
Arrhythmic Outcomes in Patients following Explanation of Left Ventricular Assist Devices after Myocardial Recovery
Amaninderapal S. Ghotra, Emma J. Birks, Zeeshan Hussain, Andrew Lenneman, Mark S. Slaughter, Rashmi U. Hottingoudar, Rakesh Gopinathannair. University of Louisville, Louisville, KY

Session.Number:PO1-07
Session.Title:Clinical Trials

085
Effects of Heart Rate Reduction in Black Patients from the SHIFT (Systolic Heart failure treatment with the If inhibitor Ivabradine Trial) Study
Jeffrey S. Borer¹, Michel Komajda², Ian Ford³, Luigi Tavazzi⁴, Fabienne Dominjon⁵, Juan Maya⁶, Yuna Wu⁷, Christophe Depre⁸, Michael Böhm⁹. ¹State University of New York Downstate Medical Center, New York, NY; ²University Pierre et Marie Curie Paris VI, Paris, France; ³University of Glasgow, Glasgow, United Kingdom; ⁴GVM Care & Research, Cotignola, Italy; ⁵Institut de Recherches Internationales Servier, Suresnes, France; ⁶Amgen Inc., Thousand Oaks, CA; ⁷Universitätskliniken des Saarlandes, Homburg/Saar, Germany

086
Comparison of the Baseline Demographics of the LCZ696 PARADIGM-HF and TITRATION Studies
Fabian Chen¹, Alan Charney¹, Jim Gong¹, Victor Shi¹, Michele Senni². ¹Novartis, East Hanover, NJ; ²Azienda Ospedaliera Papa Giovanni XXIII, Med.Generale 2 Cardiovascolare, Bergamo, Italy

087
Percutaneous Ventricular Restoration (PVR) therapy using the Parachute® Device in Subjects with Ischemic Dilated Heart Failure: Two Year Meta-Analysis
William T. Abraham. The Ohio State University, Columbus, OH

088
The Angiotensin Receptor Neprilysin Inhibitor LCZ696 is Effective Across the Spectrum of Ejection Fraction in Heart Failure With Reduced Ejection Fraction
Scott Solomon¹, Milton Packer², Michael Zile³, Karl Swedberg⁴, Jean Rouleau⁵, Martin Lefkowitz⁶, Victor Shi⁷, Akshay Desai⁸, Brian Claggett⁹, Randall Starling⁹, John J. V. McMurray¹⁰. ¹Brigham and Women's Hospital, Boston, MA; ²UT Southwestern, Dallas, TX; ³MUSC, Charleston, SC; ⁴University of Groninger, Groningen, Sweden; ⁵University Montreal, Montreal, QC, Canada; ⁶Novartis, E Hanover, NJ; ⁷Cleveland Clinic, Cleveland, OH; ⁸University of Glasgow, Glasgow, United Kingdom

089
Ivabradine Improves Symptoms and Quality of Life in Chronic Systolic Heart Failure Patients With Different Baseline Symptom Severity
Christian Zugck¹, Peter Martinka¹, Georg Stöckl¹. ¹Internistische Gemeinschaftspraxis im Steiner Thor, Straubing, Germany; ²Servier Deutschland GmbH, München, Germany

090
Effect of Comorbidities and Risk Factors on Outcomes and Ivabradine’s Effects in Patients With Chronic Systolic Heart Failure in the SHIFT Trial
Trials are Needed to Evaluate Nutrition Interventions for HF: Analysis of the Federal Nutrition and HF Research Portfolio
Patrice Desvigne-Nickens1, Karen Regan2, Rebecca Costello3, Abby Ershow4. 1National Heart, Lung, and Blood Institute, Bethesda, MD; 2National Institutes of Health, Bethesda, MD; 3National Institutes of Health, Bethesda, MD; 4National Institutes of Health, Bethesda, MD

Remote Wireless Telemonitoring Combined with Health Coaching (Tele-HC) to Lower Readmission Rates for Patients with Acute Decompensated Heart Failure
Lyle Olson, Shaival Kapadia, Nancy Lexvold, Virend Somers, Paul Friedman, Louis Schenck, Bradley Lewis, Rickey Carter, Charles Bruce. Mayo Clinic, Rochester, MN

Probenecid Improves Cardiac Function in Patients With Heart Failure. Interim Analysis of the Re-Prosper Hf Trial
Mark Gilbert, Nathan Robbins, Ginger Conway, Mohamed Effat, Jack Rubinstein. University of Cincinnati, Cincinnati, OH

Post Hoc Analysis of a Multicenter, Randomized, Controlled Study in Patients with Chronic Heart Failure: Factors Associated with Clinical Composite Response Improved by Adaptive-Servo Ventilation Therapy
Shin-ichi Momomura1, Yoshihiko Seino2, Yasuki Kihara3, Hitoshi Adachi4, Yoshiyo Yasumura5, Hiroyuki Yokoyama6. 1Saitama Medical Center, Jichi Medical University, Saitama, Japan; 2Nippon Medical School Chiba Hokusoh Hospital, Chiba, Japan; 3Hiroshima University Graduate School of Biomedical & Health Sciences, Hiroshima, Japan; 4Gunma Prefectural Cardiovascular Center, Gunma, Japan; 5Osaka National Hospital, Osaka, Japan; 6National Cerebral and Cardiovascular Center, Osaka, Japan

Cracking the NNT Code: Effect of Ivabradine on Recurrent Hospitalizations
Jennifer K. Rogers1, Adrian Kielhorn2, Jeffrey S. Borer3, Ian Ford4, Stuart J. Pocock1. 1London School of Hygiene and Tropical Medicine, London, United Kingdom; 2Amgen Inc., Thousand Oaks, CA; 3State University of New York Downstate Medical Center, New York, NY; 4University of Glasgow, Glasgow, United Kingdom
The Anti-aldosterone Effects of Torsemide Do Not Lead to Detectable Improvement in Potassium Losses in Patients Treated for Decompensated Heart Failure
Chukwuma Onyebike, Jennifer Simon, Susan J. Cheng, Jeffrey M. Testani. Yale University School of Medicine, New Haven, CT

097
Bucindolol Prevents Atrial Flutter via the Beta-1 389 Arg/Gly Adrenergic Receptor Polymorphism
Ryan Aleong¹, Amrut Ambardekar¹, Gordan Davis², Michael R. Bristow¹. ¹University of Colorado, Aurora, CO; ²ARCA Biopharma, Westminster, CO

098
The use of Intravenous Iron Therapy in Iron Deficient Patients with Heart Failure with Reduced Ejection Fraction: Decrease Hospitalizations and Improve in Symptoms and Quality of Life - A Meta-Analysis of Randomized Clinical Trials
Abel Casso Dominguez¹, Georges E. El-Hayek¹, Elizabeth Contreras², Arpit Shah¹, Saurav Chatterjee¹, Marrick Kukin¹. ¹Mount Sinai St. Luke’s-Roosevelt Hospital, New York, NY; ²Instituto Tecnologico de Santo Domingo, Santo Domingo, Dominican Republic

099
Beta Blocker Survival Benefit in Heart Failure is Associated with ADRB1 Ser49Gly Genotype
David E. Lanfear, Edward L. Peterson, Nicole Zeld, Karen Wells, Hani N. Sabbah, Keoki Williams. Henry Ford Health System, Detroit, MI

100
Evaluation of a Sirolimus / Tacrolimus-Minimization Strategy in Heart Transplant Recipients: Can We Avoid Further Nephrotoxicity?
William L. Baker¹, Ashley M. Gale¹, Jason A. Gluck², Joseph A. Radojevic², Lynn F. O'Bara², Andrea D. Murphy², James Dougherty³, Spencer T. Martin⁴. ¹University of Connecticut School of Pharmacy, Storrs, CT; ²Hartford Hospital, Hartford, CT; ³Hartford Hospital, Hartford, CT; ⁴Hartford Hospital, Hartford, CT

101
Role of β-Blockers in Patients with Heart Failure with Preserved Ejection Fraction: A Meta-Analysis
Daniel Marks, Ajay Vallakati, Siddharth Reddy, Mark Dunlap. Metrohealth Medical Center, Cleveland, OH

102
Differential Prognostic Effect of Lipophilic Versus Hydrophilic Statins in Heart Failure Patients: A Meta-Analysis of Randomized Controlled Trials
Hidekatsu Fukuta, Nobuyuki Ohte. Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

103
Ability to Achieve Target Doses of an Evidence-based Heart Failure Treatment Regimen in an Advanced Heart Failure Clinic at a Tertiary Care Facility
A. Modany¹, C. Walter¹, M. Clarke², J. Klootwyk³, K. Stollar⁴, George G. Sokos². ¹Allegheny General Hospital, Pittsburgh, PA; ²Allegheny General Hospital, Pittsburgh, PA; ³Mylan School of Pharmacy, Duquesne University, Pittsburgh, PA; ⁴Mylan School of Pharmacy, Duquesne University, Pittsburgh, PA
104 Prognostic Impacts and Temporal Changes of Post-Traumatic Stress Disorder after the Great East Japan Earthquake in Patients with Heart Failure - A Report from the CHART-2 Study -
Takeo Onose, Yasuhiro Sakata, Masanobu Miura, Soichiro Tadaki, Ryoichi Ushigome, Takeshi Yamauchi, Kenjiro Sato, Kanako Tsuji, Ruri Abe, Kotaro Nochioka, Jun Takahashi, Satoshi Miyata, Hiroaki Shimokawa. Tohoku University Graduate School of Medicine, Sendai, Japan

105 Clinical Profiles and Prognostic Factors in the Elderly Patients with Heart Failure in Japan - A Report from the CHART-2 Study -
Kenjiro Sato, Yasuhiro Sakata, Satoshi Miyata, Masanobu Miura, Soichiro Tadaki, Ryoichi Ushigome, Takeshi Yamauchi, Takeo Onose, Kanako Tsuji, Ruri Abe, Kotaro Nochioka, Jun Takahashi, Hiroaki Shimokawa. Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, SENDAI, Japan

106 Effect of Weight Loss on Renal Function in Overweight and Obese Patients with Heart Failure
Marjan Motie, Lorraine Evangelista. University of California Irvine, Irvine, CA

107 Follow up of Patients Unable to Receive Indicated Device Therapy Under the Care of an Advanced Heart Failure Program in a Developing Country.
Feras Bader1,2, Guirgis Gabrah2, Medhat Soliman2, Khalid Zakaria2, Smitha Varghese2, Sonia Kuruvilla2, Ameena Alsayed2, Fawzia Alkandari2, Mustafa Ridha2.1 University of Utah, Salt Lake City, UT; 2 Dabbous Cardiac Center- Adan Hospital, Kuwait City, Kuwait

108 The Association of Hemoglobin A1c with Short-term Outcomes in Patients who Have Heart Failure with Preserved Ejection Fraction and Diabetes: Results from Korean Acute Heart Failure Registry
Hyo-In Choi, Min-Seok Kim, Jae-Joong Kim. Asan Medical Center, Seoul, Korea, Republic of

109 Death Analysis of a Cohort of Blood, Lymphatic Cancer and Breast Cancer Patients Who Have Developed Heart Failure Following Cancer Treatment.
Robyn A. Clark1, Alexandra McCarthy2, Munir H. Chowdhury1, Narelle Berry1, Shahid Ullah3, Bogda Koczwar4, John Atherton5, David Roder6. 1 Flinders University, Adelaide, Australia; 2 Queensland University of Technology, Brisbane, Australia; 3 Flinders University, Adelaide, Australia; 4 Flinders University, Adelaide, Australia; 5 University of Queensland, Brisbane, Australia; 6 University of South Australia, Adelaide, Australia

110 Pericardial Involvement in a Cohort of HIV Infected African Americans in Post HAART Therapy Era – a Changing Trend
Puvanalingam Ayyadurai, Sridhar Chilimuri. Bronx Lebanon Hospital Center, New York, NY
Association of HbA1c With Hospitalization Among Patients With Heart Failure and Diabetes  
Saul Blecker, Hannah Park, Stuart Katz. NYU School of Medicine, New York, NY

Risk Factors for Smoking Re-Abuse Following Heart Transplantation  
Jonathan Dunn, Rady Ho, Paul Mather. Thomas Jefferson University Hospital, Philadelphia, PA

Achy Breaky Heart -  
Quality of Life Changes with Progressing Congestive Heart Failure  
Tristan Cordier¹, Lane Slabaugh², Gilbert Haugh², Diana Cusano², Vipin Gopal², George Andrews², Andrew Renda². ¹Humana, Inc., Atlanta, GA; ²Humana, Inc., Louisville, KY

Centers for Medicare and Medicaid Services’ Heart Failure Report is Not Representative of a Hospital’s Heart Failure Population  
Zachary L. Cox¹,², Pikki Lai¹, Connie M. Lewis¹, Sahar Torabi², Daniel J. Lenihan¹. ¹Vanderbilt University Medical Center, Nashville, TN; ²Lipscomb University College of Pharmacy, Nashville, TN

Can the Braden Scale or the Morse Fall Scale Predict Mortality in Hospitalized Patients With Heart Failure?  
Victoria V. Dickson¹, Matthew Carazo², Tina Sadarangani¹, Sundar Natarajan², Caroline Blaum², Stuart D. Katz². ¹NYU, New York, NY; ²NYU, New York, NY

Evolution of the Advanced Heart Failure Nurse Coordinator Role  
Julie Webster, Blaine Ney, David A. Dean. Piedmont Heart, Atlanta, GA

Heart Failure Readmissions Reduction Intervention Positively Affects Readmissions for HFrEF But not HFpEF  
Milena Jani¹, Joanna Kingery², Irmina Gradus-Pizlo¹, Azam Hadi¹, Marco Caccamo¹, Jose Finet¹, Adnan Malik¹. ¹Indiana University School of Medicine, Indianapolis, IN; ²IU Health, Indianapolis, IN

Health Care Goals, Communication, and Knowledge Among Older ICD Recipients  
Yaw Adjei-Poku¹, Michelle Samuel¹, Diane Engorn², Daniel Habtemariam², Matthew R. Reynolds³, Susan L. Mitchell², Daniel B. Kramer³. ¹Beth Israel Deaconess Medical Center, Boston, MA; ²Hebrew SeniorLife Institute for Aging Research, Boston, MA; ³Harvard Clinical Research Institute, Boston, MA
High Prevalence of Heart Failure (HF) Knowledge Deficits in Hospitalized Chronic Heart Failure Patients-a Single Center Retrospective Analysis of Quality Data Showing a Need for Better CMS Core Measures
Michael Pudlo, Sarah Homer, Carl Daniel, Susan Bionat, Andrea Creamer, Sayali Ketkar, Arvind Bhimaraj. Houston Methodist Hospital, Houston, TX

Heightened Platelet Re-activity Assessed by Increase in Mean Platelet Volume is Associated With Poor Outcomes in Stable Heart Failure Patients
Muhammad Hammadah¹, Danielle M. Brennan², Stanley L. Hazen², W.H.Wilson Tang². ¹Cleveland Clinic, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH

Nursing Home Readmissions Reduced Using a Novel Heart Failure Protocol
Noah Moss¹, Rekha Bhandari², Jeffrey Bander¹. ¹Mount Sinai Medical Center, New York, NY; ²The Allure Group, Brooklyn, NY

Causes and Avoidability of Hospital Readmissions post-Left Ventricular Assist Device Implantation: A One-Year Analysis

Predictors of Post-Discharge Mortality in Acute Hospitalized Heart Failure
Larisa G. Tereshchenko¹, Marcus Vollmer², Silviu Dovancescu³, Xiaozhen Chen⁴, Niels Otani⁵, Jiri Sklenar¹. ¹Oregon Health and Science University, Portland, OR; ²University of Greifswald, Greifswald, Germany; ³Philips Research, Aachen, Germany; ⁴Mortara Instrument, Milwaukee, WI; ⁵Rochester Institute of Technology, Rochester, NY

Using a Risk Model to Predict 30-Day Readmission After Implantable Cardioverter Defibrillator
Sandra Oliver-McNeil¹, Thomas N. Templin², David E. Haines¹. ¹Beaumont Health, Royal Oak, MI, Royal Oak, MI; ²Wayne State University, Detroit, MI

Caregivers’ Perceptions of Illness Severity in Advanced Heart Failure
Judith E. Hupcey, Lisa A. Kitko. The Pennsylvania State University, University Park, PA

Remote Specialty Therapeutic Management Enhances Patient-Centered Heart Failure Care in a Rural Community Setting
Harleen Singh¹, Jessina C. McGregor¹, Cindy L. Quale², Kelsie W. Flynn¹, Samaneh Zhian¹, Matt Atkinson¹, Kayla E. Ruhl¹, Kate H. Unterberger¹, Greg C. Larsen². ¹OSU/OHSU College of Pharmacy, Portland, OR; ²Portland Veterans Affairs Health Care System, Portland, OR
A Markov Model-based Monte Carlo Simulation to Assess Variation in Financial Burden and Health Outcomes for Cardiac Implantable Electronic Devices Based on Device and Patient Characteristics

Increased risk of Cerebrovascular Death in Patients with Chemotherapy-Induced Cardiomyopathy
Emile Mehanna, Sadeer G. Al-Kindi, Mobolaji Ige, Sachin Kumar, Mohammad Kattea, Chantal ElAmm, Salil Deo, Rodolfo D. Benatti, Mahazarin Ginwalla, Soon J. Park, Guilherme H. Oliveira. Advanced Heart Failure & Transplant Center, Harrington Heart & Vascular Institute, University Hospitals Case Medical Center, Case Western Reserve University School of Medicine, Cleveland, OH

Sex Differences in the Management and Outcomes of Heart Failure with Preserved Ejection Fraction in Patients Presenting to the Emergency Department with Acute Heart Failure
Reka Zsilinszka¹, Peter Shrader², Adam D. DeVore³, Natalie C. Hardy³, Robert J. Mentz³, Peter S. Pang⁴, W. Frank Peacock⁵, Gregg C. Fonarow⁶, Adrian F. Hernandez³. ¹Duke University School of Medicine, Durham, NC; ²Duke Clinical Research Institute, Durham, NC; ³Duke Clinical Research Institute, Duke University Medical Center, Durham, NC; ⁴Indiana University School of Medicine, Indianapolis, IN; ⁵Baylor College of Medicine, Durham, TX; ⁶Ahmanson-University of California, Ronald Reagan-UCLA Medical Center, Los Angeles (UCLA) Cardiomyopathy Center, Los Angeles, CA

Temporal Trends of Digoxin Use in Patients Hospitalized with Heart Failure: Analysis From the American Heart Association Get With The Guidelines - Heart Failure Registry
Nish Patel¹, Conrad Macon¹, Christine Ju², Phillip Schulte², Adrian F. Hernandez², Deepak L. Bhatt³, Javed Butler⁴, Clyde W. Yancy⁵, Gregg C. Fonarow⁶. ¹University of Miami Miller School of Medicine, Miami, FL; ²Duke Clinical Research Institute, Durham, NC; ³Brigham and Woman's Hospital Heart & Vascular Center, Boston, MA; ⁴Stony Brook School of Medicine, Stony Brook, NY; ⁵Northwestern University, Chicago, IL; ⁶Ronald Reagan-UCLA Medical Center, Los Angeles, CA

Pediatric Versus Adult Heart Failure Related Emergency Department Visits in the United States
Joseph W. Rossano¹, Erika J. Mejia¹, Kimberly Y. Lin¹, Eduardo Rame², Matthew J. O’Connor¹, J. Willaim Gaynor³, Stephen J. Paridon³, Robert E. Shaddy¹. ¹Children’s Hospital of Philadelphia, Philadelphia, PA; ²University of Pennsylvania, Philadelphia, PA

Assessment of Pre-LVAD Hemodynamics to Predict Post LVAD Early RV Failure
Burhan Mohamedali¹, Gardner Yost², Geetha Bhat². ¹Rush University Medical Center, Chicago, IL; ²Advocate Christ Medical Center, Oak Lawn, IL

Patient Experience With Light Chain Amyloidosis: A Survey From the Amyloidosis Research Consortium
Isabelle Lousada¹, Ray Comenzo², Heather Landau³, Spencer Guthrie⁴, Giampaolo Merlini⁵. ¹Amyloidosis Research Consortium, Inc., Boston, MA; ²Tufts Medical Center, Boston, MA; ³Memorial Sloan-Kettering
Need to Elicit Patient Preferences for Information About Limited Prognosis in Heart Failure
Arden O'Donnell, Kristen Schaefer, Michelle Young, Kayley Walsh, Adam Porter, Lynne Stevenson, Akshay Desai. Brigham and Women's Hospital, Boston, MA

Prediction of Post-Discharge Outcomes for Patients Hospitalized with Heart Failure: Results from PROTECT
Mitchell A. Psotka¹, John R. Teerlink¹, Karen Chiswell², John G. Cleland³, Gad Cotter⁴, Beth A. Davison⁵, Michael M. Givertz⁶, Marco Metra⁷, Piotr Ponikowski⁷, Adriaan A. Voors⁶, Daniel M. Bloomfield⁹, Christopher M. O'Connor². ¹University of California San Francisco & San Francisco VA Medical Center, San Francisco, CA; ²Duke Clinical Research Institute, Duke University Medical Center, Durham, NC; ³National Heart & Lung Institute, Royal Brompton & Harefield Hospitals, Imperial College, London, United Kingdom; ⁴Momentum Research, Durham, NC; ⁵Brigham and Women's Hospital, Boston, MA; ⁶University of Brescia, Brescia, Italy; ⁷Medical University, Clinical Military Hospital, Wroclaw, Poland; ⁸University Medical Center Groningen, Groningen, Netherlands; ⁹Merck Research Laboratories, Rahway, NJ

Combining Psychosocial Dysfunction and Renal Dysfunction in Predicting Outcomes in Patients With Heart Failure: Is There a Link?
Ashvarya Mangla¹, Burhan Mohamedali², Rami Doukky³,⁴, Elizabeth Avery⁵, DeJuran Richardson⁶,⁷, Lynda H. Powell⁵. ¹Rush University Medical Center, Chicago, IL; ²Rush University Medical Center, Chicago, IL; ³Rush University Medical Center, Chicago, IL; ⁴John H. Stroger, Jr. Hospital of Cook County, Chicago, IL; ⁵Rush University Medical Center, Chicago, IL; ⁶Rush University Medical Center, Chicago, IL; ⁷Lakeforest College, Lakeforest, IL

Heart Failure Readmissions Reduction: Implementation and Results Based on Provider Group
Milena Jani³, Joanna Kingery², Irmina Gradus-Pizlo³, Azam Hadi³, Marco Caccamo¹, Jose E. Finet¹, Adnan Malik¹. ¹Indiana University School of Medicine, Indianapolis, IN; ²IU Health, Indianapolis, IN

Correlation Between Conduction Times and Electrode Distance in CRT Patients
Pedram Kazemian¹, Raffaele Corbisiero¹, Ashish Shah¹, David Muller². ¹Deborah Heart & Lung, Browns Mills, NJ; ²St Jude Medical, Sylmar, CA

Improving Medication Safety, in High Risk Patients After Discharge
Elaine I. Kim. Baylor Elder House Calls and Transitional Care, Dallas, TX

Heart Failure Hospitalizations and 30 Day Readmissions for Quadripolar and Bipolar CRT-D Systems: Results From a US Single Center Study
Raffaele Corbisiero¹, Pedram Kazemian², Rupinder Bharmi³, Riddhi Shah², David Muller². ¹Deborah Heart & Lung Center, Browns Mills, NJ; ²St Jude Medical, Sylmar, CA

141 Nurse Practitioner Run Heart Failure Bridge Clinic Reduces Readmission Rates
Kimberly Cuomo, Stuart Russell, Johana Almansa, Abby Cummings, Hetal Rupani, Arati Kotadia. Johns Hopkins, Baltimore, MD

142 Timing of Diuretic Administration and Length of Stay in Patients with Acute Decompensated Heart Failure
Lisa M. Fleming¹, Kenneth Mukamal², Jeffrey Testani³, Edward Ullman⁴, Gail Piatkowsky², Steven Horng⁴, Robb Kociol². ¹Tufts Medical Center, Boston, MA; ²Beth Israel Deaconess Medical Center, Boston, MA; ³Yale University Medical Center, New Haven, CT; ⁴Beth Israel Deaconess Medical Center, Boston, MA

143 Cardiac Resynchronization Therapy and Kidney Function: The One Year Cardio-Renal Connection
Raffaele Corbisiero¹, David Muller², Rebecca Armbruster¹, Kalyan Obalampalli¹. ¹Deborah Heart & Lung Center, Browns Mills, NJ; ²St Jude Medical, Sylmar, CA

144 Nurse-practitioner-run, Sub-acute Rehabilitation Program for Heart Failure Reduces Hospital Readmission Rates by Half
Tracy L. Lanoza. Rutgers University, Newark, NJ

145 Psychosocial Risk Assessment in Patients Receiving Ventricular Assist Devices Does not Correlate with Outcomes
Lauren Freid, Estefania Oliveros, D. Schwartz, Yoshiya Toyoda, Akira Shiose, Alfred Bove, Rene Alvarez, Eman Hamad. Temple University Hospital, Philadelphia, PA

146 Prevalence of Advanced Heart Failure Utilizing the Latest Published Definitions Yields Higher Than Previously Published Data
Andrea Creamer, Sarah Homer, Michael Pudlo, Carl Daniel, Susan Bionat, Arvind Bhimaraj. Houston Methodist Hospital, Houston, TX

147 Is Depression Causing the Heart Failure Patient's Readmission?
Katherine Lalor. Lee Memorial Health System, Fort Myers, FL

Session.Number:PO1-11 Session.Title:Clinical Care

148 Constrictive Pericarditis in a Post Cardiac Transplant Patient
Ugochukwu O. Egolum. Vanderbilt University, Nashville, TN
Etiology, Characteristics and Clinical Outcomes in High Output Heart Failure: A 15 Year Experience
Yogesh N. V. Reddy, Vojtech Melenovsky, Barry A. Borlaug. Mayo Clinic, Rochester, MN

Heart Failure Nurses: Triumph With Titration
Carolyn Devens, Tiffany Berg, Kathleen Miner, Laurie Bicknese. Mayo Clinic Rochester, Rochester, MN

Inferior Vena Cava Dilatation Predicts Mortality and Worsening Renal Function in Patients With Chronic Heart Failure
Abdul Hafidz Muhammad Iqbal, Bayan Soujeri, Hawkey Sean, Daniel Levin, Muhammad Zaid Iskandar, Graham Stewart, Joanne Sloan, Chim Lang. University of Dundee, Dundee, United Kingdom

CMS Readmission Risk Score Predicts Poor Outcomes at Hospitalization
Evelyn Dean¹, Omima Ali², Kevin F. Kennedy¹, Anthony Magalski³, Bethany A. Austin³. ¹Saint Luke’s Mid America Heart Institute, Kansas City, MO; ²University of Missouri-Kansas City, Kansas City, MO; ³Saint Luke’s Mid America Heart Institute, Kansas City, MO

Heart to Heart: An Innovative Hospice Program for Heart Failure Patients
Abigail Newton¹, Martha Hager², Ronetta Marhoover¹, Patricia Pletke², Stephen Rennyson¹. ¹Centra Health, Lynchburg, VA; ²Centra Health, Lynchburg, VA

Experience of a Newly Established Multidisciplinary Heart Failure Clinic at a VA Hospital
Christina W. Rivers, Angela C. Ross, Nina Giustino, Lonnie Edwards, Siobhan Martin. Edward Hines,Jr. VA Hospital, Hines, IL

Inpatient Diuretic Dose as a Predictor of Mortality and Re-Admission in Heart Failure
Katherine Picel, Peter Eckman. University of Minnesota, Minneapolis, MN

Increased Risk of LVAD Thrombosis in Patients With a Previous History Thromboembolic Event
Scott Lundgren. Univeristy of Nebraska Medical Center, Omaha, NE

Non-Invasive Bioelectrical Impedance for Predicting Clinical Outcomes in Outpatients with Heart Failure
Kristin J. Lyons, Michelle K. Bischoff, Gregg C. Fonarow, Tamara B. Horwich. University of California Los Angeles, Los Angeles, CA

Role of Iron Chelation Therapy in Cardiac Hemosiderosis: A Case Series
Abdullah AlMasoud, Ahmad Younes, Sadeer AlKindi, Chantal Elamm, Guilherme Oliveira, Robert Schilz, Jane Little, Mahazarin Ginwalla. University Hospitals Case Medical Center, Cleveland, OH

160 Delayed Presentation of Amiodarone Induced Thyrotoxicosis Following Heart Transplant
LaVone Smith, Jamie Kennedy, Anthony McCall, Jennifer Kirby, Sula Mazimba. University of Virginia, Charlottesville, VA

161 Incremental Diagnostic and Clinical Utility of Endomyocardial Biopsy Over Cardiac Magnetic Resonance Imaging Alone in Patients with Unexplained Heart Failure
Nisha A. Gilotra¹, Mosi K. Bennett², Van-Khue Ton³, Nicole Minkove¹, Adam Shpigel¹, Nishant Shah¹, Kristina Montemayor¹, Allison Hays¹, Marc K. Halushka¹, Stuart D. Russell¹. ¹Johns Hopkins Hospital, Baltimore, MD; ²Minneapolis Heart Institute, Minneapolis, MN

162 Heart Failure Preserved Ejection Fraction Patients Benefit From Heart Failure Reduced Ejection Fraction Guidelines
Gregg Steahr, Linda Kelly, Meredith Moore, Brenda Hott. Northside Hospital, Cumming, GA

163 Reevaluating Cardiopulmonary Exercise Testing Modality in Resynchronized Heart Failure Patients: Relevance of Heart Rate-Adaptive Pacing.
Livia Goldraich, Heather J. Ross, Farid Foroutan, Juarez Braga, Mike Walker, Sean Balmain, Michael A. McDonald. University of Toronto, Toronto, ON, Canada

164 A New Training Pathway for Advanced Heart Failure/Cardiac Transplant Fellows: Sleep-Disordered Breathing Management
Adam Pleister¹, Rami Khayat¹, Robin Germany², William Abraham³. ¹The Ohio State University Wexner Medical Center, Columbus, OH; ²Respicardia, Inc, Minnetonka, MN; ³The Ohio State University Wexner Medical Center, Columbus, OH

165 Agreement between Pulmonary Capillary Wedge Pressure and Left Ventricular End Diastolic Pressure in Heart Transplant Subject; A Single Center Experience
Abbas Bitar¹, Farah Ammous², Andrew Lenneman¹, Greg Bell¹, Allen Cheng³, Mark Slaughter⁴, Emma Birks¹. ¹University of Louisville, Louisville, KY; ²University of Louisville, Louisville, KY; ³University of Louisville, Louisville, KY; ⁴University of Louisville, Louisville, KY

166 Sleep Quality, Fatigue, and Quality of Life in New York Heart Failure Associate Class II and III Heart Failure Individuals
Jihane Hajj¹, Hansie Mathelier¹, Longjian Liu², Brian Drachman³, Carol Patton², Michael Dreher³. ¹Penn Presbyterian Medical Center, Philadelphia, PA; ²Drexel University, Philadelphia, PA; ³College of New Rochelle, westchester, NY
Health Status Trajectories Among Outpatients with Heart Failure
Kelsey Flint¹, Larry Allen¹,², Sarah Schmiege³, John Rumsfeld¹,⁴, David Bekelman¹,⁴. ¹University of Colorado, Aurora, CO; ²Colorado Cardiovascular Outcomes Research Consortium, Denver, CO; ³Colorado School of Public Health, Aurora, CO; ⁴VA Eastern Colorado Health Care System, Denver, CO

168
Reduction in Heart Failure Readmissions Using Mobile Technology
Thompson Boyd III¹, Shelley Hankins², Farhan Hasni², Theresa Rowe³, Diane Snipas³, Cassandra Demastus¹, Sandra Zimmerman³, Ruth Stabler³, Howard J. Eisen². ¹Hahnemann University Hospital, Philadelphia, PA; ²Drexel University College of Medicine, Philadelphia, PA; ³Hahnemann University Hospital, Philadelphia, PA

Session.Number:PO1-12
Session.Title:Management Strategies, Adherence/ Self Care

169
Device-Measured Rapid Shallow Breathing With Exertion Worsens Prior to Heart Failure Decompensation
Seth Rials¹, Bela Merkely², Roy Gardner³, Viktoria Averina⁴, Robert Sweeney⁴, Yi Zhang⁵, Qi An⁵, John Boehmer⁶. ¹Grant Medical Center, OhioHealth, Columbus, OH; ²Semmelweis University Heart Center, Budapest, Hungary; ³Golden Jubilee National Hospital, Glasgow, United Kingdom; ⁴Boston Scientific, St. Paul, MN; ⁵B, St. Paul, MN; ⁶Penn State Milton S. Hershey Medical Center, Hershey, PA

170
Remote Dielectric Sensing (ReDS™)- Guided Patient Management of Ambulatory Heart Failure Patients Reduces Rehospitalization Rates
William T. Abraham¹, Offer Amir², Jean Marc Weinstein³, Aharon Abbo³, Tuvia Ben Gal⁴. ¹Ohio State University, Columbus, OH; ²Baruch Padeh Medical Center, Tiberias, Israel; ³Soroka Medical Center, Beer Sheva, Israel; ⁴Sensible Medical Innovations Ltd., Kfar Neter, Israel; ⁵Rabin Medical Center, Petah Tikva, Israel

171
Learning Style, Health Literacy, and 90-Day Health Care Utilization in Heart Failure Patients
Cheryl Westlake¹, Kris Sethares². ¹Azusa Pacific University, Azusa, CA; ²University of Massachusetts, North Dartmouth, MA

172
Heart Failure Readmission Reduction Through Care Coordination
Deborah J. Fenner¹, Sanjeev K. Gulati², Meghan E. Emig³. ¹Carolinas HealthCare System, Charlotte, NC; ²Carolinas HealthCare System, Charlotte, NC; ³Carolinas HealthCare System, Charlotte, NC

173
Home Telehealth Done in an Integrated Disease Management Program Results in Substantial Cost Savings and Reduction in Healthcare Utilization.
Michael G. Dickinson¹, Kevin L. Vos². ¹Spectrum Health, Grand Rapids, MI; ²Spectrum Health, Grand Rapids, MI
Motivational Interviewing to Improve Self-care for Patients with Chronic Heart Failure: MITI-HF Randomized Controlled Trial
Ruth M. Masterson Creber, Megan Patey, Christopher S. Lee, Barbara Riegel. 1Columbia University, New York, NY; 2University of Pennsylvania, Philadelphia, PA; 3Oregon Health & Sciences University, Portland, OR

Symptomatology and Coping Resources Predict Self-Care in Older Patients with Heart Failure
Lucinda J. Graven, Joan S. Grant, Glenna Gordon. 1Florida State University, Tallahassee, FL; 2University of Alabama at Birmingham, Birmingham, AL

Hospital Readmission Rates Among Disadvantaged Heart Failure Patients Enrolled in Outreach Program
Kira McClinton, Marisue Garganta, Marc Lato, Linda Martin, Susan Kilby, Anantharam Kalya. St. Joseph's Hospital and Medical Center, Phoenix, AZ

Sunday-Monday, September 27-28
Session.Number:PO2-01
Session.Title:Cardiovascular Physiology

Pulmonary Artery Proportional Pulse Pressure Predicts Adverse Clinical Outcomes in Group 1 Pulmonary Hypertension (Analysis of the NIH Pulmonary Hypertension Registry)
Sula Mazimba, James Bergin, Jamie L. W. Kennedy, Jose A. Tallaj, Elizabeth Gay, Mohammad Abuanadi, Andrew Mihalek, Kenneth C. Bilchick. 1University of Virginia, Charlottesville, VA; 2University of Alabama at Birmingham, Birmingham, AL; 3University of Virginia, Charlottesville, VA

Renal Dysfunction Has Limited Role in the Genesis of Diuretic Resistance in Heart Failure
Chukwuma Onyebekw, Jennifer Simon, Susan J. Cheng, Jeffrey M. Testani. Yale University School of Medicine, New Haven, CT

Exercise Oscillatory Breathing is Associated With Ventricular Tachycardia, Atrial Fibrillation and Cardiomyopathy in Contemporary Patients Undergoing Metabolic Stress Testing
Antonio L. Perez, Timothy Engelman, W.H. Wilson Tang. Cleveland Clinic, Cleveland, OH

Indices of Pulsatile and Resistive Afterload and Load-Dependent and Independent Right Ventricular Dysfunction in HFrEF
Therapeutic Insights for Heart Failure: In Vivo Comparison Between a Guanylyl Cyclase Receptor A and a Novel Guanylyl Cyclase Receptor B Activator
S. Jeson Sangaralingham, Gerald E. Harders, Tomoko Ichiki, John C. Burnett Jr. Mayo Clinic, Rochester, MN

Improvements in Left Atrial Appendage Velocities Following Transcatheter Aortic Valve Replacement
Tomo Ando¹, Cynthia Taub², David Slovut³. ¹Mount Sinai Beth Israel, New York, NY; ²Montefiore Medical Center, Montefiore, NY; ³Montefiore Medical Center, Bronx, NY

Diuretic-Induced Sodium Output is Highly Variable Between Patients Treated for Heart Failure But More Closely Associated With Hemoconcentration Than Fluid or Weight Loss
Jennifer Simon, Susan J. Cheng, Chukwuma Onyebeka, Jeffrey M. Testani. Yale University School of Medicine, New Haven, CT

Session.Number:PO2-02
Session.Title:Cardiovascular Structure/ Imaging

Systolic Ejection Time is an Independent Predictor of Incident Heart Failure in a Community Based Cohort Free of Heart Failure
Tor Biering-Sørensen¹, Gabriela Querejeta Roca¹, Sheila Hegde¹, Amil Shah¹, Brian Clagett¹, Thomas H. Mosley², Kenneth R. Butler³, Scott D. Solomon¹. ¹Brigham and Women’s Hospital, Boston, MA; ²University of Mississippi Medical Center, Jackson, MS

Right Ventricular Outflow Tract Doppler Envelope Notching Predicts Pulmonary Vascular Resistance in Patients with Advanced Liver Disease
Marcella Manicardi¹, Jana Svetlichnaya¹, Van Selby¹, Munir Janmohamed¹, Francis Yao¹, John Roberts¹, Teresa De Marco¹. ¹University of California, San Francisco, CA; ²Azienda Ospedaliero-Universitaria Policlinico di Modena, Modena, Italy

Association of 4-Tiered Classification of Left Ventricular Hypertrophy With Adverse Cardiovascular Outcomes in the General Population
Sonia Garg¹, James de Lemos³, Colby Ayers¹, Michel Khouri³, Ambarish Pandey¹, Jarett D. Berry¹, Ronald M. Peshock³, Mark H. Drazner¹. ¹UT Southwestern, Dallas, TX; ²Duke University, Durham, NC

Improved Anemia as a Predictor of Reverse Remodeling and Prognosis Following Kidney Transplantation in Patients with Cardiac Dysfunction
Nael Hawwa², Kevin Shrestha³, Muhammad Hammadah³, Daniel Yeo³, Richard Fatica⁴, W. H. Wilson Tang¹. ¹Cleveland Clinic, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH; ³Tan Tock Seng Hospital, Singapore, Singapore; ⁴Cleveland Clinic, Cleveland, OH
Multicenter Experience of Technetium Pyrophosphate Scanning for Diagnosing TTR Cardiac Amyloid: A Revival in Nuclear Cardiology
Adam Castano¹, Martha Grogan², Geoffrey B. Johnson³, Angela Dispenzieri⁴, Frederick L. Ruberg⁵, John L. Berk⁶, Edward J. Miller⁷, Mathew S. Maurer¹, Sabahat Bokhari⁸. ¹Columbia University Medical Center, New York, NY; ²Mayo Clinic, Rochester, MA; ³Mayo Clinic, Rochester, MN; ⁴Mayo Clinic, Rochester, MN; ⁵Boston University Amyloidosis Center, Boston, MA; ⁶Boston University Amyloidosis Center, New York, NY; ⁷Boston University School of Medicine, Boston, MA; ⁸Columbia University Medical Center, New York, NY

Echocardiographic Predictors of Heart Failure in Hypertrophic Cardiomyopathy Secondary to Hypertension
Manminder Bhullar¹, Manmeet Singh¹, Amarbhir Bhullar², Amir Najafi², Robert Ferdman², Chandra Katikireddy³. ¹UCSF Fresno, Fresno, CA; ²UCSF Fresno, Fresno, CA

Improvement in Left Atrial Appendage Velocities Following Transcatheter Aortic Valve Replacement is Associated with Better Outcome in Patients with Severe Aortic Stenosis
Tomo Ando¹, David Slovut², Cynthia Taub². ¹Mount Sinai Beth Israel, New York, NY; ²Montefiore Medical Center, Bronx, NY

Potential Utility of Longitudinal Radial Strain Imaging in the Routine Assessment of Patients on Mechanical Circulatory Support: A Feasibility Study
Saad S. Ahmad, Angel Lopez Candales. University of Cincinnati, Cincinnati, OH

Cluster Analysis in Idiopathic Dilated Cardiomyopathy (IDC): Opportunity to Define Pathogenesis?
Monica P. Revelo¹, Eliza B. Hammond², Greg L. Snow³, Stavros G. Dakros⁴, Kim M. Molina², Dylan V. Miller⁵, Edward M. Gilbert⁶, Elizabeth H. Hammond⁷, Abdalah G. Kfouri⁸. ¹University of Utah Health Care System, Salt Lake City, UT; ²North Carolina School of Science and Mathematics, Durham, NC; ³Statistical DataCenter, LDS Hospital, Intermountain Healthcare, Salt Lake City, UT; ⁴University of Utah Health Care System, Salt Lake City, UT; ⁵Primary Childrens Hospital, Salt Lake City, UT; ⁶Intermountain Medical Center, Salt Lake City, UT; ⁷LDS Hospital, Intermountain Healthcare, Salt Lake City, UT; ⁸Intermountain Medical Center, Salt Lake City, UT

Session.Number:PO2-03
Session.Title:Biomarkers/Neurohormones/Cytokines

Hyponatremia Patterns During Hospitalization for Acute Heart Failure
Frederik H. Verbrugge¹, Justin L. Grodin¹, Wilfried Mullens², David O. Taylor¹, Randall C. Starling¹, W.H. Wilson Tang¹. ¹Cleveland Clinic, Cleveland, OH; ²Ziekenhuis Oost-Limburg, Genk, Belgium
Metabolomic Patterns in Heart Failure Patients Vary Across Demographic and Clinical Factors
David E. Lanfear, Hani N. Sabbah, Albert M. Levin, Yun Wang, Ruicong She, Jia Li, Keoki Williams, Stephen Gardell, Nicole Zeld. Henry Ford Health System, Detroit, MI; Sanford Burnham Research Institute, Orlando, FL.

Prognostic Role of Serum Chloride Levels in Acute Decompensated Heart Failure
Justin L. Grodin, Jennifer Simon, Rory Hachamovitch, Yuping Wu, Gregory Jackson, Meghana Halkar, Randall C. Starling, Jeffrey Testani, W. H. Wilson Tang. Cleveland Clinic, Cleveland, OH; Yale University School of Medicine, New Haven, CT; Cleveland State University, Cleveland, OH; Medical University of South Carolina, Charleston, SC; Cleveland Clinic, Cleveland, OH; Yale University School of Medicine, New Haven, CT.

Novel Protein Glycan Inflammatory Biomarkers Predict Adverse Events in Heart Failure with Preserved Ejection Fraction
Jacob P. Kelly, Wynn G. Hunter, Robert W. McGarrah, Damian Craig, Carol Haynes, Eric J. Velazquez, G. Michael Felker, Adrian F. Hernandez, Christopher B. Newgard, Svatij H. Shah, William E. Kraus. Duke University Medical Center, Durham, NC; Duke Clinical Research Institute, Durham, NC; Duke University School of Medicine, Durham, NC; Duke Molecular Physiology Institute, Durham, NC.

Hypochloremia is Strongly and Independently Associated with Mortality in Patients with Chronic Heart Failure
Jennifer Simon, Chukwuma Onyebeke, Susan J. Cheng, Justin Grodin, W. H. Wilson Tang, Jeffrey M. Testani. Yale University School of Medicine, New Haven, CT; The Cleveland Clinic, Cleveland, OH.

Elevated Plasma Interleukin-6, Endothelin-1, and Matrix Metalloproteinase-9 in Heart Failure Patients are Associated With the Need for Advanced Therapies and Mortality

Big-Endothelin-1 Transpulmonary Capillary Gradient is Increased in HFpEF, not Endothelin-1
Bhavana Siddegowda Bangalore, Qaiser Shafiq, Mohamed Elamin, Samer Khouri. University of Toledo, Toledo, OH.

Clinical Characteristics of Survivors and Non-Survivors with Immunoglobulin Light Chain (AL) Cardiac Amyloid Heart Failure
Usman Tahir, John S. Kim, Lawreen Connors, Flora Sam. Boston University Medical Center, Boston, MA; Boston University School of Medicine, Boston, MA; Boston University Medical Center, Boston, MA.

Early Improvement Of Dyspnea And Neurohormonal Status Using Minute Ventilation-Targeted Adaptive Servo Ventilation In Acute Heart Failure
Boris Arbit$^{1,2}$, Matt Kawahara$^1$, Elizabeth Lee$^1$, Trenton Gluck$^1$, Kathleen Sarmiento$^{1,2}$, Atul Malhotra$^{1,2}$, Alan Maisel$^{1,2}$. $^1$Veterans Affairs San Diego Healthcare System, San Diego, CA; $^2$University of California, San Diego, La Jolla, CA

203
Elevated Hepatocyte Growth Factor is Associated With Worse Prognosis in Cardiac Amyloidosis
Eitan A. Friedman, Kelsey Tomasek, Yan Ru Su, Douglas B. Sawyer, Daniel J. Lenihan. Vanderbilt University, Nashville, TN

204
Plasma Aldosterone and Heart Failure in the General Community
Alessia Buglioni, Valentina Cannone, Jason S. Sangaralingham, Christopher G. Scott, Richard J. Rodeheffer, John C. Burnett. Mayo Clinic, Rochester, MN

Session.Number:PO2-04
Session.Title:Molecular Biology/Genetics/Cell Therapy

206
MicroRNA-130a Regulation of Desmocollin2 in a Novel Model of Arrhythmogenic Cardiomyopathy
Stefan Mazurek, Tyler Calway, Cynthia Harmon, Gene H. Kim. University of Chicago Medicine, Chicago, IL

208
Induced Pluripotent Stem Cell Derived Cardiomyocyte Scaffold Improves Electro-Mechanical Coupling and Left Ventricular Function in Rats With Heart Failure
Jordan J. Lancaster$^1$, Elizabeth Juneman$^1$, Pablo Sanchez$^1$, Kyle Weigand$^1$, Talal Moukabary$^1$, Nicole Lahood$^1$, Joseph J. Bahl$^1$, Steven Goldman$^2$. $^1$Sarver Heart Center, Tucson, AZ; $^2$Southern Arizona VA Health Care System, Tucson, AZ

209
Bone Marrow Stem Cell Derived Cardiomyocyte Precursors Differentiated on Nanofiber Scaffolds Attenuate Scar Formation in a Rat Model of Myocardial Infarction
Edward D. Marks, Arun Kumar. University of Delaware, Newark, DE

Session.Number:PO2-05
Session.Title:Surgery/Transplantation/Devices

210
Right Vagus Nerve Stimulation With a Novel Self-Sizing Cuff Electrode Improves Left Ventricular Function in Dogs With Heart Failure
Hani N. Sabbah$^1$, Mengjun Wang$^1$, Kefei Zhang$^1$, Ramesh C. Gupta$^1$, Maxime Lemonnier$^2$, Andrew Khair$^2$, Melanie Mallemeeester$^2$, Christine Henry$^2$. $^1$Henry Ford Health System, Detroit, MI; $^2$Sorin Group, Clamart, France

211
Impact of Pulmonary Function Tests on Outcomes in Patients after Left Ventricular Assist Device Implantation
Amaninderapal S. Ghotra\textsuperscript{1}, Zeeshan Hussain\textsuperscript{1}, Nirmanmoh Bhatia\textsuperscript{2}, Rafael Perez\textsuperscript{1}, Allen Cheng\textsuperscript{1}, Mark S. Slaughter\textsuperscript{1}, Andrew Lenneman\textsuperscript{1}, Emma J. Birks\textsuperscript{1}. \textsuperscript{1}University of Louisville, Louisville, KY; \textsuperscript{2}Vanderbilt University, Nashville, TN

212

\textbf{Region and Insurance Status Impacts LVAD Utilization for Patients Listed for Heart Transplantation}

Anita A. Kelkar, Yi-An Ko, Andreas Kalogeropoulos, Andrew L. Smith, David Vega, Alanna A. Morris. Emory University School of Medicine, Atlanta, GA

213

\textbf{Fifteen Years of Cardiac Resynchronization Pacing for Heart Failure Among Congenital Heart Patients: Direct Contractility not Guidelines Determines Responders}

Peter P. Karpawich, Yamuna Sanil, Neha Bansal, Kathleen Zelin. The Children’s Hospital of Michigan, Wayne State University, Detroit, MI

214

\textbf{Preoperative Iodine-123 Meta-Iodobenzylguanidine Imaging is a Novel Predictor of Left Ventricular Reverse Remodeling during Left Ventricular Assist Device Treatment}

Teruhiko Imamura\textsuperscript{1}, Koichiro Kinugawa\textsuperscript{1}, Daisuke Nitta\textsuperscript{2}, Masaru Hatano\textsuperscript{2}, Osamu Kinoshita\textsuperscript{3}, Kan Nawata\textsuperscript{2}, Minoru Ono\textsuperscript{3}. \textsuperscript{1}Graduate School of Medicine, University of Tokyo, Tokyo, Japan; \textsuperscript{2}Graduate School of Medicine, University of Tokyo, Tokyo, Japan; \textsuperscript{3}Graduate School of Medicine, University of Tokyo, Tokyo, Japan

216

\textbf{The Impact of Frailty in an Elderly Population on Outcomes After Destination Therapy LVAD Placement: The Greater New York Geriatric Cardiology Consortium}

Deena S. Goldwater\textsuperscript{1}, Victoria V. Dickson\textsuperscript{2}, Cecilie Gjerde\textsuperscript{2}, Jeff Goldsmith\textsuperscript{3}, Nathan E. Goldstein\textsuperscript{4}, Evelyn M. Horn\textsuperscript{5}, Anu Lala\textsuperscript{2}, Gordon R. Reeves\textsuperscript{6}, Alex Reyentovich\textsuperscript{2}, Melana Yuzefpolskaya\textsuperscript{7}, Mathew S. Maurer\textsuperscript{7}, Sean P. Pinney\textsuperscript{1}. \textsuperscript{1}Icahn School of Medicine at Mount Sinai Hospital, New York, NY; \textsuperscript{2}New York University School of Medicine, New York, NY; \textsuperscript{3}Columbia Mailman School of Public Health, New York, NY; \textsuperscript{4}Icahn School of Medicine at Mount Sinai Hospital, New York, NY; \textsuperscript{5}Weill Cornell Medical College, New York Presbyterian Hospital, New York, NY; \textsuperscript{6}Thomas Jefferson University, Philadelphia, PA; \textsuperscript{7}Columbia University Medical Center, New York, NY

217

\textbf{Insights into the Failing Fontan Circulation: Impact of Dominant Ventricular Morphology on Ventricular-Arterial Coupling in Adults with Fontan Circulation}

Hirofumi Saiki, Benjamin W. Eidem, Martha Grogan, Margaret M. Redfield. Mayo Clinic, Rochester, MN

218

\textbf{Preoperative Risk Model for Prediction of Pump Thrombosis in LVADs}

David Raymer, Michael Nassif, Anuradha Godishala, Christopher Sparrow, Eric Novak, Vaibhav Patel, Shane LaRue, Gregory Ewald, Justin Vader. Washington University / Barnes-Jewish Hospital, St. Louis, MO

219

\textbf{Durable Bi-ventricular Support in INTERMACS 1 Patients Using the Heartware HVAD System in the Right Atrial Position}
Hao Tran, David Cork, Eric Adler, Victor Pretorius. University of San Diego, California, La Jolla, CA

220
A Single, Non-Academic Experience with Use of ECPR
Peter Barrett, Vivek Rajagopal, Erin Sheffield, Lynn Pfaender, Julie Webster, Andrew Boyle, David Dean. Piedmont Heart, Atlanta, GA

221
Impact of Pre-Transplant Ventricular Assist Device Implantation on Adult Heart Transplant Outcomes in a Commercially Insured Population
Wade Bannister, Charlotte Wu, Jiang Tao, Frank D. Irwin. Optum, Eden Prairie, MN

222
Transvenous Stimulation of Cardiac Autonomic Inputs Improves Subacute Canine Hemodynamics
Michael Cuchiara, Scott Purcell, Jean Darnieder, Michael Romero, Stephen Masson. NeuroTronik, Durham, NC

223
Cognitive Improvement After Left Ventricular Assist Device Implant
Michelle M. Hudson¹, Mary E. Haines¹, Thomas A. Schwann², George V. Moukarbel³, Samer Khouri⁴, Allison Meyers-Fabian¹, Mark R. Bonnell². ¹University of Toledo Medical Center, Toledo, OH; ²University of Toledo Medical Center, Toledo, OH; ³University of Toledo Medical Center, Toledo, OH; ⁴University of Toledo Medical Center, Toledo, OH

224
Prevalence and Correlation of Non Functional Tricuspid Regurgitation to Right Ventricular Failure in Patients with CF-LVADs
Cesar Y. Guerrero-Miranda¹, Omar Saeed¹, Anna Koulova², Julia Shin¹, Snehal R. Patel¹, David D’Alessandro³, Daniel Goldstein³, Ulrich Jorde¹, Daniel Sims¹. ¹Montefiore Medical Center - Albert Einstein College of Medicine, Bronx, NY; ²Mt Sinai St Lukes-Roosevelt Hospital, New York, NY; ³Montefiore Medical Center - Albert Einstein College of Medicine, Bronx, NY

225
Health Literacy as a Predictor of Adverse Outcomes after Implantation of Left Ventricular Assist Device
David Raymer, Justin Vader, Anne Platts, Michael Nassif, Scott Silvestry, Gregory Ewald, Shane LaRue. Washington University / Barnes-Jewish Hospital, St. Louis, MO

226
Smoking is Associated With Pump Thrombosis After Left Ventricular Assist Device Implantation
Vaiibhav Patel¹, Michael Nassif², David Raymer², Brian Pierce³, Justin Vader², Greg Ewald², Shane LaRue². ¹Washington University, Saint Louis, MO; ²Washington University, Saint Louis, MO

227
Long Term Support of Acute, Refractory Cardiogenic Shock with an Extracorporeal, Continuous Flow Ventricular Assist Device: A Seven Year Experience
James M. Meza¹, Yamini Krishnamurthy², Laura Blue¹, Jacob Schroder³, Chetan B. Patel¹, Carmelo A. Milano¹, Mani A. Daneshmand¹. ¹Duke University Medical Center, Durham, NC; ²Duke University School of Medicine, Durham, NC; ³Duke University Medical Center, Durham, NC
228

Normalization of Hemodynamics Following LVAD Implantation May be Related to Improved Long Term Outcome
Emeka C. Anyanwu, Kershaw Patel, Cory Henderson, Savitri E. Fedson, Gene H. Kim, Nitasha Sarswat, Colleen Juricek, Takeyoshi Ota, Valluvan Jeevanandam, Gabriel Sayer, Nir Uriel. 1University of Chicago Medicine, Chicago, IL; 2University of Chicago Medicine, Chicago, IL; 3University of Chicago Medicine, Chicago, IL

230

Development of a Preoperative Risk Model that Predicts Gastrointestinal Bleeding after Implantation of Continuous-Flow LVADs
Christopher T. Sparrow, Michael E. Nassif, David S. Raymer, Paul M. Lavigne, Eric Novak, Shane J. LaRue, Joel D. Schilling, Gregory A. Ewald, Justin M. Vader. Washington University in Saint Louis, St. Louis, MO

231

Diagnosis of Left Ventricular Assist Device (LVAD) Pump Thrombosis Using Fibrin-Specific 99mTc Imaging Agent
Gregory A. Ewald, Grace Cui, Michael Scott, Michael E. Nassif, Shane J. LaRue, Justin M. Vader, David S. Raymer, Walter Akers, Scott Silvestry, Akinobu Itoh, Samuel Achilefu, Gregory Lanza. Washington University, St. Louis, MO

232

Clinical Outcomes Associated with INTERMACS Defined Right Ventricular Failure After LVAD Implantation
Brian R. Pierce, David Raymer, Anuradha Godishala, Christopher Sparrow, Michael Nassif, Shane LaRue, Gregory Ewald, Justin Vader. 1Barnes-Jewish Hospital, Saint Louis, MO; 2Barnes-Jewish Hospital, Saint Louis, MO

233

Impact of Cytomegalovirus on Survival After Heart Transplant: analysis of 20,000 Patients from the UNOS Registry Data
Guha Ashrith, Ahmed Daoud, Larry D. Teeter, Javier Amiongue-Guevara, Andrea M. Cordero-Reyes, Edward Gravis, Barry H. Trachtenberg, Arvind Bhimaraj, Osama A. Gaber, Scott Scheinin, Guillermo Torre-Amione, Jerry D. Estep. The Methodist Hospital, Houston, TX

234

Heart Transplant Donor Characteristics Associated with Worse Outcomes Differ Between Patients who are Bridged Continuous Flow LVAD and Non-bridged Patients: an Analysis of the UNOS Registry
Guha Ashrith, Larry D. Teeter, Javier Amiongue-Guevara, Edward A. Gravis, Barry H. Trachtenberg, Arvind Bhimaraj, Osama A. Gaber, Brian Bruckner, Guillermo Torre-Amione, Jerry D. Estep. The Methodist Hospital, Houston, TX

235

Scripted Nurse Visits: A Resource-efficient Palliative Care Model for Destination VADs
Mary E. Moyer, James Kirkpatrick, Nina O’Connor. Hospital of the University of Pennsylvania, Philadelphia, PA
Diabetic Patients Experience Delayed Improvement in Renal Function Post CF-LVAD Implantation
Allison P. Levin¹, Mustafa A. Pamirsad¹, Jenni Nguyen¹, Snehal Patel¹, Omar Saeed¹, Daniel Sims¹, David A. D’Alessandro¹, Daniel Goldstein², Ulrich P. Jorde¹. ¹Montefiore Medical Center, Bronx, NY; ²Montefiore Medical Center, Bronx, NY

Is Education the Key to Success? Association of Formal Education and Outcomes in Left Ventricular Assist Devices
Brent C. Lampert¹, Robert S. D. Higgins², Gary Phillips³, Sitaramesh Emani¹, Sakima Smith¹, Bryan A. Whitson², Ahmet Kilic², Ayesha K. Hasan¹, Jeffrey J. Teuteberg⁴. ¹The Ohio State University Wexner Medical Center, Columbus, OH; ²The Ohio State University Wexner Medical Center, Columbus, OH; ³The Ohio State University, Columbus, OH; ⁴University of Pittsburgh Medical Center, Pittsburgh, PA

Structural and Functional Echocardiographic Responses to Left Ventricular Assist Device Implantation: Focus on the Right Ventricle
Kunal N. Bhatt, Raghda Al-Anbari, Alanna A. Morris, Andrew L. Smith, VasiliK V. Georgiopoulou, J. David Vega, Andreas P. Kalogeropoulos. Emory University, Atlanta, GA

Session.Number:PO2-06
Session.Title:Electrophysiology/Arrhythmias

Optimizing Quadripolar Leads to Reduce Heart Failure Hospitalizations
Alvaro ManriqueGarcia, Vidya Thandra, Samer A. De Oliveira, Judith Mackall, Harish Manyam. University Hospitals Case Medical Center, Cleveland, OH

Safety of Left Atrial Appendage Closure in Patients with Low Ejection Fraction
Sameer Gafoor¹, Vivek Reddy², Jonathan Halperin², Shephal Doshi³, Maurice Buchbinder⁴, Petr Neuzil⁵, Kenneth Huber⁶, Brian Whisenant⁷, Saibal Kar⁸, Vijay Swarup⁹, Mathew J. Price¹⁰, David Holmes¹¹, Nicole Gordon¹², Horst Sievert¹. ¹CardioVascular Center Frankfurt, Frankfurt, Germany; ²Mount Sinai Hospital, New York City, NY; ³Pacific Heart Institute, Santa Monica, CA; ⁴San Diego Cardiovascular Associates, San Diego, CA; ⁵Na Homolce Hospital, Prague, Czech Republic; ⁶St. Luke’s Health System, Kansas City, MO; ⁷Intermountain Health Care, Salt Lake City, UT; ⁸Cedars-Sinai Hospital, Los Angeles, CA; ⁹Arizona Heart Rhythm Center, Phoenix, AZ; ¹⁰Scripps Health, San Diego, CA; ¹¹Mayo Clinic, Rochester, MN; ¹²Boston Scientific, St. Paul, MN

High Prevalence of Sub-clinical Cerebral Infarctions in Patients with Heart Failure with Preserved Ejection Fraction
Rebecca J. Cogswell¹, Faye L. Norby², Rebecca F. Gottesman³, Lin Y. Chen¹, Scott D. Solomon⁴, Amil M. Shah⁵, Alvaro Alonso². ¹University of Minnesota, Minneapolis, MN; ²University of Minnesota, Minneapolis, MN; ³Johns Hopkins, Baltimore, MD; ⁴Brigham and Woman’s Hospital, Boston, MA
The Success of ICD-delivered ATP Therapy in Heart Failure Patients with Ventricular Tachycardia
Dalia Giedrimiene¹, Danette Guertin², Jeffrey Kluger². ¹University of Saint Joseph, West Hartford, CT; ²Hartford Hospital, Hartford HealthCare, Hartford, CT

"Permissive ICD Programming for LVAD Patients"
Dominique Williams, MD¹, Praveen Rao, MD², Michael Nassif, MD², Eric Novak, MS², Sarah Sandberg, MD², Shane LaRue, MD², Daniel Cooper, MD², Justin Vader, MD². ¹Washington University School of Medicine, Saint Louis, MO; ²Washington University School of Medicine, Saint Louis, MO

Session.Number:PO2-07
Session.Title:Clinical Trials

Ranolazine Increases Exercise Capacity in Heart Failure with Preserved Ejection Fraction (HFpEF)
Payman Zamani¹, Denise Barnard², Annette Contasti³, Daniel Blanchard², Ottar Lunde², Johanna Schandera⁴, Melanie Schimmel⁵, Roxana Ghashghaei⁶, Barry Greenberg⁴. ¹Hospital of the University of Pennsylvania, Philadelphia, PA; ²UC San Diego, San Diego, CA; ³Sharp Memorial Hospital, San Diego, CA; ⁴UC San Diego, San Diego, CA

Normalization of Serum Potassium With Sodium Zirconium Cyclosilicate (ZS-9) in Patients With Heart Failure
Prakash Deedwania¹, Ileana L. Piña⁷, Henrik S. Rasmussen⁸, Philip T. Lavin⁹, Bhupinder Singh³, Alex Yang³, Peter A. McCullough⁵. ¹University of California at San Francisco, San Francisco, CA; ²UC Ssan Diego, San Diego, CA; ³ZS Pharma, Inc., Coppell, TX; ⁴Boston Biostatistics Research Foundation, Framingham, MA; ⁵Baylor University Medical Center, Baylor Heart and Vascular Institute, Baylor Jack and Jane Hamilton Heart and Vascular Hospital, Dallas, TX

Abstract: Prognostic Implications of Achieving an N-Terminal Pro-B-Type Natriuretic Peptide Level <1000 pg/ml in Patients With Heart Failure: Data From PARADIGM-HF
Michael R. Zile¹, John J. McMurray³, Milton Packer³, Jean L. Rouleau⁴, Karl Swedberg⁵, Akshay S. Desai⁶, Iain Squire⁷, Antonio S. Sibulo Jr⁸, Dragos Vinereanu⁵, Songsak Kiatchoosakun⁹, Jianjian Gong¹⁰, Victor C. Shi¹¹, Margaret F. Prescott¹¹, Scott D. Solomon⁶. ¹Medical University of South Carolina and RHJ VA Medical Center, Charleston, SC; ²University of Glasgow, Glasgow, United Kingdom; ³UT Southwestern Medical Center, Dallas, TX; ⁴University of Montreal, Montreal, QC, Canada; ⁵University of Gothenburg, Gothenburg, Sweden; ⁶Brigham and Women’s Hospital, Boston, MA; ⁷University of Leicester, Leicester, United Kingdom; ⁸Philippines Heart Center, Quezon City, Philippines; ⁹University Hospital, Bucharest, Romania; ¹⁰Khon Kaen University, Khon Kaen, Thailand; ¹¹Novartis Pharmaceuticals, East Hanover, NJ

Effect of Ivabradine on Readmission: A Post-Hoc Bayesian Analysis of 30-day Readmission Rates in the Systolic Heart Failure Treatment with the If Inhibitor Ivabradine Trial (SHIFT)
Stanmira Krotneva¹, Anuraag R. Kansal¹, K. Jack Ishak¹, Adrian Kielhorn², Harshali Patel³, Jeffery S. Borer³. ¹Evidera, Montreal, QC, Canada; ²Amgen Inc., Thousand Oaks, CA; ³State University of New York Downstate Medical Center, New York, NY
Cardioprotective Effects of Mesenchymal Precursor Cells in Patients With Advanced Chronic Heart Failure Due to Left Ventricular Systolic Dysfunction
Emerson C. Perin¹, Kenneth Borow², Lee Golden³, Oscar Marroquin¹, Paul Huang⁴, Jay Traverse⁵, Silviu Itescu⁶, Timothy Henry⁷. ¹Texas Heart Institute, Houston, TX; ²Borow Consulting Group, Bryn Mawr, PA; ³Mesoblast Inc., New York, NY; ⁴Heart and Vascular Institute, Seatlle, WA; ⁵Minneapolis Heart Institute Foundation, Minneapolis, MN; ⁶Mesoblast Inc, New York, NY; ⁷Cedars-Sinai Heart Institute, Los Angeles, CA

Patiromer Reduces Serum K⁺ in Hyperkalemic Patients with HF and CKD on RAAS Inhibitors: Results from OPAL-HK and AMETHYST-DN
Bertram Pitt¹, Matthew Weir², David Bushinsky³, Martha Mayo⁴, Dahlia Garza⁴, Yuri Stasiv⁴, Susan Arthur⁴, Lance Berman⁴, George Bakris⁵. ¹Univ. of Michigan, Ann Arbor, MI; ²Univ. of Maryland, Baltimore, MD; ³Univ. of Rochester, Rochester, NY; ⁴Relypsa, Inc., Redwood City, CA; ⁵Univ. of Chicago, Chicago, IL

Risk Assessment of Re-Hospitalizations for Heart Failure During 30 Days After Discharge for Acute Heart Failure
Michael Shochat¹, Avraham Shotan¹, Mark Kazatsker¹, Ilia Kleiner², Iris Dahan¹, Aya Asif³, David Blondheim¹, Simcha Meisel¹. ¹Hillel Yaffe Heart Institute, Hadera, Israel; ²Soroki Medical Center, Beer Sheva, Israel

Session.Number:PO2-08
Session.Title:Cardiovascular Pharmacology

Cardiac Natriuretic Peptide Agonist PL3994 Improves Cardiac Functions by Triggering Anti-hypertension, Anti-hypertrophic and Anti-fibrotic Pathways in a Murine Model of Sustained Cardiac Pressure Overload
Bin Xu. Temple University, Philadelphia, PA

Paroxetine-Mediated GRK2 Inhibition Reverses Cardiac Dysfunction and Remodeling After Myocardial Infarction
Sarah M. Schumacher¹, Erhe Gao², Weizhong Zhu³, Xiongwen Chen³, J. Kurt Chuprun¹, Arthur M. Feldman³, John JG Tesmer⁴, Walter J. Koch¹. ¹Temple University School of Medicine, Philadelphia, PA; ²Temple University School of Medicine, Philadelphia, PA; ³Temple University School of Medicine, Philadelphia, PA; ⁴University of Michigan, Ann Arbor, MI

Session.Number:PO2-09
Session.Title:Epidemiology/Prevention
Coronary Artery Calcium as a Predictor of Incident Heart Failure with Preserved Ejection Fraction: Results from the Multi-Ethnic Study of Atherosclerosis (MESA)
Kavita Sharma1, Haitham Ahmed1, Zeina Dardari1, Michael G. Silverman2, Clyde W. Yancy3, Moyses Szklo4, Joseph Yeboah5, Stuart D. Russell1, Roger S. Blumenthal1, Michael J. Blaha1. 1Johns Hopkins Hospital, Baltimore, MD; 2Brigham and Women's Hospital, Boston, MA; 3Northwestern University, Feinberg School of Medicine, Chicago, IL; 4Johns Hopkins Hospital, Baltimore, MD; 5Wake Forest University, Salem, NC

Efficacy of Preemptive Beta Blockers for Prevention of Cardiotoxicity in Patients Undergoing Hematopoietic Stem Cell Transplantation
Chang H. Kim1, Sadeer Al-Kindi1, Ana CDAH de Souza2, Joyce Njoroge3, Marwan Qattan3, Brian D. Hoit3, Ann Liner3, Jamie Wilson3, Basem William4, Marcos de Lima4, Guilherme H. Oliveira5. 1University Hospitals Case Medical Center, Cleveland, OH; 2Case Western Reserve University, Cleveland, OH; 3University Hospitals Case Medical Center, Cleveland, OH; 4University Hospitals Seidman Cancer Center, Cleveland, OH

The Prevalence of Iron Deficiency in Patients with Heart Failure with Preserved Ejection Fraction and its Association with Elevated Pulmonary Pressure, Reduced Exercise Capacity and Quality of Life
Tarek Bekfani1, Pierpaoa Pellicori2, Nicole Ebner3, Daniel-A. Morris1, Anja Sandek4, Wolfram Doehner3, John-G Cleland3, Mitja Lainscak4, Stefan-D Anker5, Stephan von Haehling3. 1Charité University Hospital, Berlin, Germany; 2University of Hull, Hull, United Kingdom; 3University Medical Center Goettingen, Goettingen, Germany; 4General Hospital Celje, Celje, Slovenia

Abnormal EKG Finding Associated with Presence and Severity of Sleep Apnea in Hispanic Patients with Obesity and Diastolic Dysfunction
Johanna P. Contreras, Peter Montan, Eliscer Guzman. Mount Sinai Hospital, New York, NY

Prognostic Implications of Visit-to-visit Blood Pressure Variability in the Patients with Heart Failure
Ju-Hee Lee, Sang Min Kim, Sang Yeub Lee, Jang-Whan Bae, Kyung-Kuk Hwang, Dong-Woon Kim, Myeong-Chan Cho. Chungbuk National University Hospital, Cheongju, Korea, Republic of

Circulating cGMP Levels in the General Population: Relationship with Cardiovascular and Renal Diseases
Valentina Cannone1, Christopher G. Scott2, Kent R. Bailey2, Denise M. Heublein1, Margaret M. Redfield1, Richard J. Rodeheffer3, Johannes-Peter Stasch4, John C. Burnett Jr.3. 1Cardiorenal Research Laboratory, Mayo Clinic, Rochester, MN; 2Division of Biostatistics, Mayo Clinic, Rochester, MN; 3Division of Cardiovascular Diseases, Mayo Clinic, Rochester, MN; 4Bayer, Wuppertal, Germany

The Renal-Cardio Connection and the Development of HFP EF: A Population Based Study
Amit K. Jain1, Christopher G. Scott2, Horng H. Chen3. 1Mayo Clinic and Foundation, Rochester, MN; 2Mayo Clinic and Foundation, Rochester, MN; 3Mayo Clinic and Foundation, Rochester, MN
The Role of Aspirin in the Prevention of Coronary Allograft Vasculopathy in Cardiac Transplant Patients
Lane B. Benes¹, Tiana L. Riley², Catherine M. Murks², Gabriel T. Sayer², Savitri E. Fedson², Nir Y. Uriel², Gene H. Kim². ¹University of Chicago, Chicago, IL; ²University of Chicago, Chicago, IL

A Multi-State Model to Predict Heart Failure Hospitalizations and All-Cause Mortality in Outpatients With Heart Failure
Jenica N. Upshaw, Marvin A. Konstam, Gordon S. Huggins, Farzad Noubary, David M. Kent. Tufts Medical Center, Boston, MA

Impact of Sociodemographic and Clinical Risk Factors on Hospitalisation Rates Among Ambulatory Patients with Heart Failure and Preserved Ejection Fraction
Vasiliki V. Georgiopoulou¹, Gregory Burkman², Raghda Al-Anbari¹, Nikolaos Spilias¹, Taylor A. Lebeis¹, Kanwal Farooq¹, Mariyah Yazdani¹, Lampros Papadimitriou², Andrew L. Smith¹, Javed Butler², Andreas P. Kalogeropoulos¹. ¹Emory University, Atlanta, GA; ²Stony Brook University, Stony Brook, NY

Making a Case for the Heart Failure ICU - Differences in Characteristics and Care Between Critically Ill Cardiac Patients With and Without Heart Failure
Jason N. Katz¹, Anthony Peters², Sarah Waters², Ian Hollis³, Brian C. Jensen¹. ¹University of North Carolina, Chapel Hill, NC; ²University of North Carolina, Chapel Hill, NC; ³University of North Carolina, Chapel Hill, NC

Trends in the Use of Guideline-based Therapies Among Dialysis Patients Hospitalized with Heart Failure: Findings from Get With The Guidelines-Heart Failure
Ambarish Pandey¹, Harsh Golwala², Adam DeVore³, Di Lu⁴, George Madden⁵, Deepak L. Bhatt⁶, Philip Schulte⁷, Paul Heidenreich⁷, Clyde Yancy⁸, Adrian Hernandez⁹, Gregg C. Fonarow⁹.¹University of Texas Southwestern Medical Center, Dallas, TX; ²University of Louisville School of Medicine, Louisville, KY; ³Duke Clinical Research Institute, Durham, NC, Durham, NC; ⁴Duke Clinical Research Institute, Durham, NC, Durham, NC; ⁵University of Oklahoma School of Medicine, Oklahoma City, OK; ⁶Brigham and Women's Hospital Heart & Vascular Center and Harvard Medical School, Boston, MA; ⁷Stanford University, Palo Alto, CA; ⁸Northwestern University, Chicago, IL; ⁹Ronald Reagan-UCLA Medical Center, Los Angeles, CA

Healthcare Costs in the Last Six Months of Life among Patients with Heart Failure
Jason P. Swindle¹, Engels N. Obi², Stuart J. Turner³, Patricia A. Russo⁴, Cori J. Blauer-Peterson¹, Lynn A. Wacha¹, Aylin Altan¹. ¹Optum, Inc., Eden Prairie, IL; ²Rutgers University, Piscataway, NJ; ³Novartis Pharmaceuticals Corporation, East Hanover, NJ; ⁴DataMed Solutions, Washington, DC
Impact of Pulmonary Artery Pressure Monitoring on All-cause 30-day HF Readmissions and Associated Centers for Medicare and Medicaid Services Hospital Readmissions Reduction Program Penalty
Philip B. Adamson1, Rupinder Bharmi2, Nirav Dalal2, William T. Abraham3. 1St. Jude Medical, Austin, TX; 2St. Jude Medical, Sylmar, CA; 3Ohio State University Heart Center, Columbus, OH

Heart Failure is Associated With Worse Quality of Life and Survival But Similar Stroke Risk in Atrial Fibrillation
Tharian S. Cherian1, Peter Shrader2, Gregg C. Fonarow3, Larry A. Allen4, Eric D. Peterson2, Jonathan Piccini5, Laine Thomas2, Peter R. Kowey5, Paul Burton6, Bernard J. Gersh7, Kenneth W. Mahaffey1. 1Stanford University, Stanford, CA; 2Duke University Medical Center, Durham, NC; 3University of California, Los Angeles, CA; 4University of Colorado, Denver, CO; 5Institute for Medical Research, Wynnewood, PA; 6Janssen Pharmaceuticals, Inc, Titusville, NJ; 7Mayo Clinic, Rochester, MN

A New Measure of Healthcare Resource Utilization in Heart Failure: Development and Content Validity Evaluation
Miyeon Jung, Marita Titler, Penny Riley, Barry Bleske, Susan J. Pressler. University of Michigan, Ann Arbor, MI

Vascular Reactivity Analysis in Patients with Continuous Flow Left Ventricular Assist Devices (CF-LVADs) - the Role of Endothelial Function in Continuous Flow Physiology
Cesar Uribe, Keith A. Youker, Barry H. Trachtenberg, Guha Ashrith, Jerry D. Estep, Guillermo Torre-Amione, Brian A. Bruckner, John P. Cooke, Arvind Bhimaraj. The Methodist Hospital, Houston, TX

Grip Strength Assessment and Early Outcomes in Hospitalized Acute Decompensated Heart Failure: A Prospective Study
Emer Joyce, Deepa M. Gopal, Adriana Luk, John D. Groarke, Sachin P. Shah, Garrick C. Stewart, Michael M. Givertz, Mandeep R. Mehra. Brigham and Women's Hospital, Boston, MA

Utilization of Aldosterone Receptor Antagonists at Discharge in Patients Hospitalized With Heart Failure and a Reduced Ejection Fraction
Chris Domenico, Ed Lau, Karen Yiu, John Lindsley, Michael Moranville. Johns Hopkins Hospital, Baltimore, MD

Pre-operative Pulmonary Function Tests and Outcomes After Heart Transplantation
Usama Daimee, Heather McGrane-Minton, Todd Massey, Leway Chen, Matthew Kottmann. University of Rochester Medical Center, Rochester, NY

Efficacy and Safety of Anti-thymocyte Globulin for the Treatment of Acute Cellular Rejection in Orthotopic Heart Transplant
Stacy Crow, Samir J. Patel, Kyle L. Dawson, Andrea M. Cordero-Reyes, Arvind Bhimaraj, Barry H. Trachtenberg, Guha Ashrith, Jerry D. Estep. The Methodist Hospital, Houston, TX

285
Pulmonary Artery Pressure Guided Heart Failure Management During a ‘Real-World’ Clinical Setting Follow-Up Period Demonstrated Even Greater Improvement in Clinical Outcomes Than That Achieved in the CHAMPION Randomized Controlled Trial
Philip B. Adamson1, John Henderson2, Greg Ginn2, Susan Neville3, William T. Abraham1. 1St. Jude Medical, Austin, TX; 2St. Jude Medical, Atlanta, GA; 3Ohio State University Medical Center, Columbus, OH

287
Detectable Cardiac Troponin I Predicts Adverse Cardiac Events and Heart Failure Hospitalizations in Stable Heart Failure Outpatients
Muhammad Hammadah1, Vasiliki Georgiopoulou2, Andreas Kalogeropoulos2, Javed Butler3, W.H.Wilson Tang4. 1Cleveland Clinic, Cleveland, OH; 2Emory University, Atlanta, GA; 3Stony brook, Stony brook, NY; 4Cleveland Clinic, Cleveland, OH

289
Predicting Likelihood of 30-Day Readmission After Heart Failure Hospitalization Using Readily Available Electronic Health Record Data
Cheryl Bartone, Eugene Chung, Santosh Menon, Gregory Egnaczyk, Thomas O’Brien. The Christ Hospital, Cincinnati, OH

291
Survival and Implantable Cardioverter-Debrillator Deactivation in End-Stage Congestive Heart Failure Patients
Lillian C. Man1, Loheetha Ragupathi2, Paul Mather3. 1Jefferson University Hospital, Philadelphia, PA; 2Jefferson University Hospital, Philadelphia, PA; 3Jefferson University Hospital, Philadelphia, PA

292
No Increase in Mortality Seen with β-blocker Treatment in Heart Failure Patients with Cocaine Use
Peter Nguyen1,2, Hassan Kamran1, Saifullah Nasir1, Wenyaw Chan1,2,3, Biykem Bozkurt1,2,4. 1Baylor College of Medicine, Houston, TX; 2Winters Center For Heart Failure Research, Houston, TX; 3University of Texas School of Public Health, Houston, TX; 4Micheal E. DeBakey Veterans Affairs Medical Center, Houston, TX

293
Risk Predictors for 30 day Readmission & Length of Stay
Joseph Ingrassia1, Richard Soucier2, Melissa Woiciechowski1, Penny Cyr2, Rebecca Crowell2. 1University of Connecticut, Farmington, CT; 2St. Francis Hospital and Medical Center, Hartford, CT

294
Elevated Total Bilirubin on Admission is a Marker of Worse 30- and 180-Day Outcomes for Patients With Acute HF: Insights From ASCEND-HF
Marc Samsky1, Allison Dunning1, Phillip Schulte1, Adam DeVore1, Robert Mentz1, Chetan Patel1, Randall Starling2, John Teerlink2, Wilson Tang2, Paul Armstrong2, Justin Ezekowitz4, Marco Metra5, Adriaan Voors6, John McMurray7, Javed Butler8, Christopher O’Connor1, Adrian Hernandez1. 1Duke University, Durham, NC; 2Cleveland Clinic, Cleveland, OH; 3University of California, San Francisco, San Francisco, CA;
Elevated Transpulmonary Gradient is a Predictor of Survival in Patients with WHO Group II Pulmonary Hypertension Treated with Continuous-flow Left Ventricular Assist Devices (CF-LVAD)
Javier Amione-Guerra\textsuperscript{1}, Andrea M. Cordero-Reyes\textsuperscript{1}, Arvind Bhimaraj\textsuperscript{1}, Barry H. Trachtenberg\textsuperscript{1}, Guillermo Torre-Amione\textsuperscript{1,2}, Jerry D. Estep\textsuperscript{1}, Guha Ashrith\textsuperscript{1}. \textsuperscript{1}The Methodist Hospital, Houston, TX; \textsuperscript{2}Tecnológico de Monterrey, Monterrey, Nuevo León, Mexico

Race, Gender and Clinical Characteristics Do Not Predict Outcomes in End-Stage Heart Failure Patients Requiring Inotropes

Elevated Heart Rate in Patients with Heart Failure with Reduced Ejection Fraction: Associations with One-Year Survival and Costs
Adam D. DeVore\textsuperscript{1}, Phillip J. Schulte\textsuperscript{2}, Robert J. Mentz\textsuperscript{1}, N. Chantelle Hardy\textsuperscript{2}, Jacob P. Kelly\textsuperscript{1}, Eric J. Velazquez\textsuperscript{1}, Juan F. Maya\textsuperscript{3}, Adrian Kielhorn\textsuperscript{3}, Harshali Patel\textsuperscript{3}, Shelby D. Reed\textsuperscript{2}, Adrian F. Hernandez\textsuperscript{1}. \textsuperscript{1}Duke University Medical Center, Durham, NC; \textsuperscript{2}Duke Clinical Research Institute, Durham, NC; \textsuperscript{3}Amgen, Inc., Thousand Oaks, CA

OptiVol Impedance Threshold Crossing Predicts Patients with Higher Mortality or Hospitalization Risk Among Medicare Recipients
Jason Brown\textsuperscript{1,2}, Kenneth Bilchick\textsuperscript{3}, Alvaro Alonso\textsuperscript{2}, Eduardo Warman\textsuperscript{1}. \textsuperscript{1}Medtronic PLC, Minneapolis, MN; \textsuperscript{2}University of Minnesota, Minneapolis, MN; \textsuperscript{3}University of Virginia, Charlottesville, VA

How do Patients with Ventricular Assist Devices Die? A Look at End of Life Outcomes
Esther S. Pak\textsuperscript{1}, Eva Laverty-Wilson\textsuperscript{2}, Christyana Zalewski\textsuperscript{3}, Wald Joyce\textsuperscript{4}, Pavan Atluri\textsuperscript{2}, Eduardo Rame\textsuperscript{1}, James N. Kirkpatrick\textsuperscript{4}. \textsuperscript{1}Hospital of the University of Pennsylvania, Philadelphia, PA; \textsuperscript{2}Hospital of the University of Pennsylvania, Philadelphia, PA; \textsuperscript{3}Hospital of the University of Pennsylvania, Philadelphia, PA; \textsuperscript{4}Hospital of the University of Pennsylvania, Philadelphia, PA

Medical Management of Patients with the HeartMate II Left Ventricular Assist Devices. A Single Center Experience
Adam F. Burdorf, John Um, Eugenia Raichlin, Eric Rome, Jason Darrah, Sara Varnado, Brian Lowes. University of Nebraska Medical Center, Omaha, NE

The Relationship Between Glucose Variability and In-Hospital Mortality in Patients With Acute Heart Failure Syndrome: Data From the Korean Acute Heart Failure (KorAHF) Registry

Heart Failure Supportive Care: Integrating Mortality Risk Modeling Into Heart Failure Care to Impact Outcomes
Mitchell T. Saltzberg¹, Roshni Guerry², Kelly A. Whitmarsh³, Carolyn Moffa¹, Lisa Keichline⁴.
¹ChristianaCare Health System, Newark, DE; ²ChristianaCare Health System, Newark, DE; ³ChristianaCare Health System, Newark, DE; ⁴ChristianaCare Health System, Newark, DE

Inverse Changes in Quality of Life for Patients and Caregivers After Implantation of a Ventricular Assist Device
Julie T. Bidwell, Christopher S. Lee. Oregon Health & Science University, Portland, OR

Trends in use of Swan-Ganz Catheter Among Patients with Acute Decompensated Heart Failure Hospitalization in United States, 2004 -2012: Did the ESACPE Trial Make a Difference?
Ambarish Pandey¹, Neetika Garg², Nilay Kumar³. ¹University of Texas Southwestern Medical Center, Dallas, TX; ²Beth Israel Deaconess Medical Center, Boston, MA; ³Cambridge Health Alliance/Harvard Medical School, Cambridge, MA

Minute Ventilation-Targeted Adaptive Servo Ventilation Protects Renal Function In Acute Decompensated Heart Failure Patients
Matt Kawahara¹, Trenton Gluck¹, Elizabeth Lee¹, Boris Arbit¹,², Kathleen Sarmiento¹,², Atul Malhotra¹,², Alan Maisel¹,². ¹Veterans Affairs San Diego Healthcare System, San Diego, CA; ²University of California, San Diego, La Jolla, CA

Prevalence of Heart Failure in Different Sickle Cell Variants by Age, Gender, and Systolic Dysfunction
Sadeer Alkindi, Abdallah Almasoud, Ahmad Younes, Chantal Elamm, Rodolfo Benatti, Guilherme Oliveira, Robert Schilz, Jane Little, Mahazarin Ginwalla. University Hospitals Case Medical Center, Cleveland, OH

Increased Risk of Heart Block in Patients with Cardiac Amyloidosis on Amiodarone
Sadeer Alkindi, Abdullah Almasoud, Ahmad Younes, Chantal Elamm, Rodolfo Benatti, Guilherme Oliveira, Mahazarin Ginwalla. University Hospitals Case Medical Center, Cleveland, OH

308
Predictors of Early and Late Heart Failure Post-orthotopic Liver Transplantation

309
Correlates of Spirometry to Invasively Measured Pulmonary Arterial Hemodynamics in Advanced Chronic Heart Failure
Mohammad Alasaad¹, Justin Grodin¹, Vijay Ngarajan¹, W.H. Wilson Tang¹. ¹Cleveland Clinic Foundation, Cleveland, OH; ²University of Virginia, Charlottesville, VA

310
The Importance of Defining Red Blood Cell Mass in the Management of Volume Overload Chronic Systolic Heart Failure
Wayne L. Miller. Mayo Clinic, Rochester, MN

313
Identifying a Strong Association Between Physical and Affective Symptom Clusters in Heart Failure
Quin E. Denfeld¹, James O. Mudd², Shirin O. Hiatt¹, Jill M. Gelow², Christopher V. Chien², Christopher S. Lee¹². ¹Oregon Health & Science University, Portland, OR; ²Oregon Health & Science University, Portland, OR

314
Pre-discharge Bedside Exercise Gas Exchange Measurements Predict 30 Day Heart Failure Patient Readmissions
Gregory D. Lewis¹, Ashley Dress¹, Gregory A. Ewald², Jean Flanagan², Peter Eckman³, Aaron Eisman¹, Jennifer Nelson³, Dean MacCarter⁴, Abraham Kocheril⁵. ¹Massachusetts General Hospital, Boston, MA; ²Washington University, St. Louis, MO; ³Universtiy of Minnesota, Minneapolis, MN; ⁴Shape Medical Systems, St. Paul, MN; ⁵University of Illinois, Champaign, IL

315
Case Series Defining Role of External Chest Compressions (ECC) in Patients with Ventricular Assist Device (VAD)
Bhaskar Arora, Jonathan Hammond, Nicole Chomick, Tari Devoe, Nicole Huhn, Jason Gluck. Hartford Hospital, Hartford, CT

317
Prognostic Value of a 6-Minute Walk Test in Patients Undergoing Percutaneous Coronary Intervention: A Prospective Study.
Bhavin C. Patel¹, Siddharth A. Wayangankar¹, Udho Thadani¹, Pedro Lozano¹, Faisal Latif¹, Daniel Zhao², Cheuk Leung², Tarun W. Dasari¹. ¹University of Oklahoma Health Sciences Center, Oklahoma City, OK; ²University of Oklahoma Health Sciences Center, Oklahoma City, OK

318
Peripartum Cardiomyopathy Network: Medication and Device Therapy Use in the First Year
Kismet Rasmusson¹, Dennis McNamara², Deborah Budge¹, Abdallah Kfoury¹, Uri Elkayam³, Michael Givertz⁴, Richard Sheppard⁵, Greg Ewald⁶, Eileen Hsich⁷, Kalgi Modi⁸, Rami Alharethi¹. ¹Intermountain Heart Institute, Salt Lake City, UT; ²Univesity of Pittsburgh, Pittsburgh, PA; ³University of Southern California, Los Angeles, CA; ⁴Brigham and Women's Hospital, Boston, MA; ⁵Jewish General, Montreal, QC, Canada; ⁶Washington University, St. Louis, MO; ⁷Cleveland Clinic, Cleveland, OH; ⁸Louisiana State University, Shreveport, LA

320
The Impact of Sleep Apnea Syndrome Post Cardiac Transplantation
Sandra Carey. Baylor Scott & White Health, Dallas, TX

321
Pharmacotherapy for VAD Thrombus: Response Rates and Financial Impact of Anticoagulant Strategies
Lynne Sylvia¹, Frank Massaro¹, David DeNofrio², Michael Kiernan². ¹Tufts Medical Center, Boston, MA; ²Tufts Medical Center, Boston, MA

323
Is the Nutritional Risk Index Useful in Advanced Heart Failure Patients?
Gardner Yost², Burhan Mohamedali², Geetha Bhat¹. ¹Advocate Christ Medical Center, Oak Lawn, IL; ²Rush University Medical Center, Chicago, IL

Session.Number:PO2-12
Session.Title:Management Strategies, Adherence/ Self Care

324
Student Heart Failure Intervention Project: A Pilot Study of Population Analytics and Outreach
William B. Reichert¹, Gerard Hoatam¹, Emily Schmidt¹, Michael Leher¹, Arathi Gorur¹, Anna Jones¹, Anantharam Kalya², Priya Radhakrishnan². ¹Creighton University School of Medicine, Omaha, NE; ²St. Joseph's Hospital and Medical Center, Phoenix, AZ

325
Predicting Absolute Risk for Unplanned Cardiovascular Readmissions in Adults With Chronic Heart Failure
Vasiliki Betihavas¹, Steven A. Frost². ¹Sydney University, Sydney, Australia; ²University of Western Sydney, Sydney, Australia

326
Reasons for Heart Failure Hospitalization: Nonadherence versus Worsening Heart Failure
Nisha A. Gilotra, Adam Shpigel, Ike S. Okwuosa, Ruth Tamrat, Deirdre Flowers, Stuart D. Russell. Johns Hopkins Hospital, Baltimore, MD

327
Feasibility of Remote, Non-Invasive, Wireless, Continuous Real-Time Monitoring of Heart Rate in Heart Failure Patients
Lyle Olson, Nancy Lexvold, Virend Somers, Paul Friedman, Louis Schenck, Bradley Lewis, Charles Bruce. Mayo Clinic, Rochester, MN

328
**Effect of Telemanagement in Patients Discharged to a Nursing Facility After Heart Failure (HF) Hospitalization.**  
Santosh G. Menon¹, Mindy Brewer², Kim Barrows², Tashua Woods-Stroup², Heather Overbeck³, Amy Dadosky⁴, Maureen Corl⁵, Ken Bertke⁶, Natasha Hiles¹, Tracy Preidt⁴, Stacey Arnold¹, Kathleen Daly¹, Eugene Chung¹. ¹Ohio Heart and Vascular Center, Cincinnati, OH; ²Brookwood Retirement Community, Cincinnati, OH; ³The Christ Hospital, Cincinnati, OH; ⁴The Christ Hospital, Cincinnati, OH

329
**Myers Briggs Type Indicator and Outcomes in Heart Failure Patients**  
Ike S. Okwuosa, Nisha A. Gilotra, Adam Shpigel, Ruth Tamrat, Deirdre Flowers, Kimberly Skarupski, David Yousem, Stuart D. Russell. Johns Hopkins Hospital, Baltimore, MD

330
**The Relationships of Fatigue and Depression to Hospitalizations and Gender Differences in Patients with Heart Failure**  
Seongkum Heo, Jean McSweeney, Pao-Feng Tsai, Songthip Ounpraseuth. University of Arkansas for Medical Sciences, Little Rock, AR

331
**Impact of a Community-Based Heart Failure Disease Management Program**  
Gregg Steahr, Linda Kelly, C. Meredith Moore, Brenda Hott. Northside Hospital, Cumming, GA

332
**Heart Failure Patients With Dyspnea Had Higher Device-Based Respiratory Rate Than Those Without**  
Roy S. Gardner¹, Bela Merkely², Pier Lambiase³, Yi Zhang⁴, Qi An⁴, Viktoria Averina⁴, Robert Sweeney⁴, Scott Wehrenberg⁵. ¹Golden Jubilee National Hospital, Glasgow, United Kingdom; ²Semmelweis University Heart Center, Budapest, Hungary; ³The Heart Hospital, London, United Kingdom; ⁴Boston Scientific, St Paul, MN; ⁵Boston Scientific, St Paul, MN

333
**The Wisconsin Pharmacy Quality Collaborative - A Statewide Network of Community Pharmacists to Improve Heart Failure Outcomes**  
Joseph Rinka¹, Orly Vardeny², Claudius Mahr³, Stacey M. Gardiner⁴, Erika M. Horstmann⁵. ¹Concordia University Wisconsin School of Pharmacy, Mequon, WI; ²University of Wisconsin-Madison, Madison, WI; ³University of Washington, Seattle, WA; ⁴Medical College of Wisconsin, Milwaukee, WI; ⁵The Pharmacy Society of Wisconsin, Madison, WI
Acute Blood Pressure, Renal and cGMP Responses to the Novel Designer Natriuretic Peptide ZD100 in Spontaneously Hypertensive Rats

Alessia Buglioni¹, Jeson S. Sangaralingham¹, Gerald E. Harders¹, Brenda K. Huntley¹, Horng H. Chen¹,², John C. Burnett¹,². ¹Mayo Clinic, Rochester, MN; ²Zumbo Discovery, Rochester, MN

Oxidative Stress Induced Modulation of Platelet Integrin αIIbβ3 Expression and Shedding During Major Bleeding in Heart Failure Patients Supported By Continuous Flow Left Ventricular Assist Devices

Nandan K. Mondal¹, Zengsheng Chen¹, Jun Ding¹, Mike Sobieski¹, Si Pham², Steven Koenig¹, Bartley P. Griffith³, Mark S. Slaughter¹, Zhongjun J. Wu¹. ¹University of Louisville School of Medicine, Louisville, KY; ²University of Maryland School of Medicine, Baltimore, MD

Rapid Restoration of Transplanted Stem Cell Bioenergetics By Metabolic Scaffolds That Promote Cell Adhesion and Provide Substrates

Junaid Afzal, Angel Chan, Mehmet Fatih Karakas, Kirubel Woldemichael, Stella Vakrou, Brian O'Rourke, M Roselle Abraham. Johns Hopkins University, Baltimore, MD

Temporal Assessment of Endothelial to Mesenchymal Transition as a Contributor to Fibrosis in a Mouse Model of Heart Failure

Cesar Uribe, Andrea M. Cordero-Reyes, Keith A. Youker, Guha Ashrith, Barry H. Trachtenberg, Jerry D. Estep, Guillermo Torre-Amione, John P. Cooke, Arvind Bhimaraj. The Methodist Hospital, Houston, TX

Correlation Between Coronary Sinus, Arterial and Venous BNP Levels in Subjects with Reduced Left Ventricular Systolic Function

Zubair Shah, Arun Mahankali Sridhar, Reza Masoomi, Mark Wiley, Buddhadeb Dawn, Kamal Gupta. University of Kansas Medical Center, Kansas City, MO

Alanna A. Morris¹, Andreas Kalogeropoulos¹, Anita Kelkar¹, Robert T. Cole¹, Divya Gupta¹, Duc Nguyen², S. Raja Laskar¹, Andrew Smith¹, J. David Vega². ¹Emory University, Atlanta, GA; ²Emory University, Atlanta, GA

007

Patients With HF Show High Degrees of Moderate to Severe Cognitive Impairment Despite Normal MMSE Testing

Deepak J. Pattanshetty, Dana Cook, Sonika Malik, Mark E. Dunlap. Metrohealth Campus of Case Western Reserve University, Cleveland, OH

008

Bridging Anticoagulation After CF-LVAD Implantation

Indra Bole¹, Bethany Tellor², Michael Nassif³, David Raymer³, Anjan Tibrewala¹, Scott Silvestry⁴, Justin Vader³, Shane LaRue³. ¹Washington University School of Medicine, Saint Louis, MO; ²Washington University School of Medicine, Saint Louis, MO; ³Washington University School of Medicine, Saint Louis, MO; ⁴Washington University School of Medicine, Saint Louis, MO

009

Cardiac Rotational Mechanics as a Predictor of Favorable Functional and Structural Response After Mechanical Unloading With Cardiac Assist Devices in Advanced Heart Failure Patients

Michael J. Bonios¹, James Wever Pinzon¹, Josef Stehlik¹, Abdallah Kfoury², Edward M. Gilbert¹, Rami Alharethi², Jose Nativi-Nicolau¹, Craig H. Selzman¹, Mohammad Alsari³, Bruce Reid², Stephen H. McKellar¹, Antigone Koliopoulou¹, William Caine², Dean Y. Li¹, James Fang¹, Stavros G. Drakos¹. ¹University of Utah, Salt Lake City, UT; ²Intermountain Medical Center, Salt Lake City, UT

010

Outcomes After Cardiopulmonary Resuscitation Among Patients Hospitalized with Heart Failure

Justin S. Sadhu, Michael W. Rich. Washington University in St. Louis, Saint Louis, MO

Session.Number:OR03
Session.Title:Nursing Research Award

011

ASC Methylation and Expression are Associated with Depressive Symptoms, Anxiety, and Quality of Life in Heart Failure

Brittany Butts¹, Rebecca A. Gary¹, Sandra B. Dunbar¹, Javed Butler². ¹Emory University, Atlanta, GA; ²Stony Brook University, Stony Brook, NY

012
Women's Experiences Being Diagnosed with Peripartum Cardiomyopathy

Rebecca L. Dekker¹, Christine H. Morton², Paula Singleton³, Audrey Lyndon⁴. ¹University of Kentucky, Lexington, KY; ²Stanford University, Stanford, CA; ³Leeds University, Leeds, United Kingdom; ⁴University of California San Francisco, San Francisco, CA

013

Assessment of the Accuracy of the Diagnosis for Heart Failure in a Large Metropolitan Health Care System and the Impact on Readmission Rates

Sandra Carey, Giovanna Saracino, Cara A. East, Paul A. Grayburn, Ravi C. Vallabhan, Kyle Bass, William Shutze Jr, Shelley A. Hall. Baylor Scott & White Health, Dallas, TX

014

An Acceptability and Feasibility Study of Decision Aids for Patients and Their Caregivers Considering Destination Therapy Left Ventricular Assist Device

Colleen K. McIlvennan¹, Jocelyn S. Thompson², Daniel D. Matlock³, Joseph C. Cleveland⁴, Larry A. Allen¹. ¹University of Colorado, Aurora, CO; ²University of Colorado, Aurora, CO; ³University of Colorado, Aurora, CO; ⁴University of Colorado, Aurora, CO

015

Right Ventricular Dysfunction is an Independent Predictor of Length of Stay Following Left Ventricular Assist Device Implantation

Rachel Clarke, Amanda R. Vest, Linda Ordway, Michael S. Kiernan, David DeNofrio. Tufts Medical Center, Boston, MA

016

Using Shared Medical Appointments to Decrease Readmission Rates

Donna Walker¹, Renee Marincic². ¹Euclid Hospital, Euclid, OH; ²Euclid Hospital, Euclid, OH

Session.Number:OR04
Session.Title:Rapid-Fire Abstracts I

177

Identification of Stage D Heart Failure Patients: Clinical Assessment Versus ESC Heart Failure Association Criteria

Mariyah Yazdani, Jeffrey S. Hedley, Ayman S. Tahhan, Andrew A. McCue, Raghda Al-Anbari, Alanna A. Morris, Andrew L. Smith, Vasiliki V. Georgiopoulou, Andreas P. Kalogeropoulos. Emory University, Atlanta, GA
Trends and Outcomes of Patients with Adult Congenital Heart Disease With Pulmonary Hypertension Listed for Orthotopic Heart Transplantation in the United Network for Organ Sharing Database

Yamini Krishnamurthy1,2, Lauren B. Cooper3,2, Di Lu2, Jacob N. Schroder3, Joseph G. Rogers3,2, Carmelo A. Milano3, Adrian F. Hernandez3,2, Chetan B. Patel3,2. 1Duke University School of Medicine, Durham, NC; 2Duke Clinical Research Institute, Durham, NC; 3Duke University Medical Center, Durham, NC

Cardiac Transplantation for Older Patients: Characteristics and Outcomes in the Septuagenarian Population

Lauren B. Cooper1, Di Lu2, Robert J. Mentz2, Joseph G. Rogers2, Carmelo A. Milano2, G. Michael Felker2, Jacob N. Schroder2, Adrian F. Hernandez2, Chetan B. Patel2. 1Duke University, Durham, NC; 2Duke University, Durham, NC

Lung Impedance-guided Therapy of Patients with Chronic Heart Failure Improves Clinical Outcome

Michael Shochat1, Avraham Shotan1, Mark Kazatsker1, Ilia Kleiner2, Iris Dahan1, Aya Asif1, David Blondheim1, Simcha Meisel1. 1Hillel Yaffe Heart Institute, Hadera, Israel; 2Soroki Medical Center, Beer Sheva, Israel

Efficacy of LCZ696 Persists at Lower Than Target Doses in the PARADIGM-HF Trial

Orly Vardeny1, Brian Claggett2, John J.V. McMurray3, Milton Packer4, Jean Rouleau5, John R. Teerlink6, Michael Zile7, Karl Swedberg8, Martin Lefkowitz9, Victor Shi9. 1University of Wisconsin, Madison, WI; 2Brigham and Women's Hospital, Boston, MA; 3University of Glasgow, Glasgow, United Kingdom; 4UT Southwestern, Dallas, TX; 5University of Montreal, Montreal, QC, Canada; 6UCSF, San Francisco, CA; 7MUSC, Charleston, SC; 8University of Gothenburg, Gothenburg, Sweden; 9Novartis Pharmaceuticals, East Hanover, NJ

Lack of Improvement in 30-day Readmission Rates for Patients Hospitalized with Heart Failure: Data from Get With The Guidelines-Heart Failure Registry

Kristin E. Bergethon1, Christine Ju1, Adam D. DeVore1,2, N. Chantelle Hardy1, Gregg C. Fonarow2, Clyde W. Yancy3, Paul A. Heidenreich4,6, Deepak L. Bhatt7,8, Eric D. Peterson1,2, Adrian F. Hernandez1,2. 1Duke Clinical Research Institute, Durham, NC; 2Duke University School of Medicine, Durham, NC; 3Ahmanson-UCLA Cardiomyopathy Center, UCLA, Los Angeles, CA; 4Northwestern University, Feinberg School of Medicine, Chicago, IL; 5Veterans Affairs Palo Alto Health Care System, Palo Alto, CA; 6Stanford
Decompensated Heart Failure Admissions are Inaccurately Identified by Centers for Medicare and Medicaid Services’ Administrative Data

Zachary L. Cox¹, Pikki Lai¹, Connie M. Lewis¹, Daniel J. Lenihan¹.¹Vanderbilt University Medical Center, Nashville, TN; ²Lipscomb University College of Pharmacy, Nashville, TN

Remote Monitoring Program for Heart Failure Patients Discharged to Skilled Nursing Facilities to Improve Outcomes

Mitchell T. Saltzberg¹, Kelly A. Whitmarsh², Alexander Cheryl³, Vivek K. Reddy⁴.¹ChristianaCare Health System, Newark, DE; ²ChristianaCare Health System, Newark, DE; ³ChristianaCare Health System, Newark, DE; ⁴IPC Health Care, Newark, DE

Obese Patients Have Improved Ten-Year Survival After CRT-D Implantation


Rapid and Highly Accurate Prediction of Poor Diuretic Natriuretic Response in Patients With Heart Failure

Jennifer Simon, Chukwuma Onyebeku, Susan J. Cheng, Jeffrey M. Testani. Yale University School of Medicine, New Haven, CT

Inadequate Heart Rate Control in Ambulatory Patients with Systolic Heart Failure Despite Broad Beta Blocker Utilization: A Single Center Experience

Kenneth D. Varian, Kevin Chagin, Justin L. Grodin, Frederik Verbrugge, Alex Milinovich, Michael W. Kattan, W.H. Wilson Tang. Cleveland Clinic Foundation, Cleveland, OH

Bedside Hemodynamic Profiles in Acute Decompensated Heart Failure: Clinical Uncertainty May Identify Higher Risk
Peripheral Metabolite Pattern in Heart Failure Patients is an Independent Predictor of Survival

David E. Lanfear¹, Stephen Gardell², Albert Levin¹, Jia Li³, Keoki Williams¹, Hani Sabbah¹, Nicole Zeld¹.
¹Henry Ford Health System, Detroit, MI; ²Sanford Burnham Research Institute, Orlando, FL

Telomere Integrity as a Genetic Marker of Effective Treatment for Advanced Heart Failure

Cara Statz¹, Judith Brown², Aleksandra Ras¹, Kevin Ballard¹, Dharma Desai², Daniel Fusco¹, Jonathan Hammond¹, Jason Gluck¹, Detlef Wencker³. ¹Hartford Hospital, Hartford, CT; ²University of Connecticut, Storrs, CT; ³University of Kansas Medical Center, Kansas City, KS

Contemporary Natural History, Mechanical Circulatory Support Needs and Post-Transplant Outcomes of Patients With Myocarditis Listed for Heart Transplantation.

Chantal Elamm, Sadeer Al-Kindi, Mahazarin Ginwalla, Rodolfo Benatti, Mobolaji Ige, Mohammad kattea, Chang kim, Guilherme Oliveira. University Hospitals of Cleveland, Cleveland, OH

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

Michaela Liedtke¹, Heather Landau², Ray Comenzo³, David Seldin⁴, Brendan Weiss⁵, Jeffrey Zonder⁶, Jackie Walling⁷, Gene Kinney⁸, Martin Koller⁹, Morie A. Gertz⁹. ¹Stanford University School of Medicine, Stanford, CA; ²Memorial Sloan-Kettering Cancer Center, New York, NY; ³Tufts Medical Center, Boston, MA; ⁴Boston University, Boston, MA; ⁵University of Pennsylvania, Philadelphia, PA; ⁶Karmanos Cancer Institute, Detroit, MI; ⁷JW Consulting, Hillsborough, CA; ⁸Prothena Biosciences, South San Francisco, CA; ⁹Mayo Clinic, Rochester, MN

Relevance of Changes in Serum Creatinine During a Heart Failure Trial of Decongestion: Insights From the DOSE Trial
Meredith A. Brisco, Michael R. Zile, Jennifer Simon, W.H. Wilson Tang, Jeffrey M. Testani. 1Medical University of South Carolina, Charleston, SC; 2Yale University School of Medicine, New Haven, CT; 3The Cleveland Clinic Foundation, Cleveland, OH

Genetic Factors Influencing B-type Natriuretic Peptide Mediated Production of Cyclic Guanosine Mono Phosphate and Blood Pressure Effects in Heart Failure Patients

David Lanfear, Raza Abbas, Badri Padhukasahasram, Ramesh C. Gupta, David Langholz, W. Wilson Tang, L. Keoki Williams, Hani N. Sabbah. 1Henry Ford Hospital, Detroit, MI; 2Spectrum Health, Grand Rapids, MI; 3Cleveland Clinic Foundation, Cleveland, OH

In-Vitro Exposure of Isolated Failing Cardiomyocytes to Vepoloxamer (Purified Poloxamer 188)Limits Unregulated Calcium Entry into the Cell

Ramesh C. Gupta, Vinita Sing-Gupta, Marty Emanuele, Hani N. Sabbah. 1Henry Ford Health System, Detroit, MI; 2Mast Therapeutics, Inc., San Diego, CA

A Pharmacogenetic Investigation of Intravenous Furosemide in Decompensated Heart Failure: A Meta-Analysis of 3 Clinical Trials.

Simon de Denus, Jean L. Rouleau, Douglas L. Mann, Gordon S. Huggins, Thomas P. Cappola, Svati H. Shah, Julianna Keleti, Yassamin Feroz Zada, Sylvie Provost, Amina Bardhadi, Michael S. Phillips, Valérie Normand, Ian Mongrain, Marie-Pierre Dubé. 1Montreal Heart Institute, Montreal, QC, Canada; 2Washington University School of Medicine, St. Louis, MO; 3Tufts Medical Center, Boston, MA; 4University of Pennsylvania, Philadelphia, PA; 5Division of Cardiology, Duke University School of Medicine, Durham, NC; 6National Heart, Lung, and Blood Institute, Bethesda, MD

Effect of Corin Deficiency and Mutation on Cardiac Natriuretic Peptide Processing in the Intact Heart Under Cardiac Pressure-Overload Conditions

Bin Xu. Temple University, Philadelphia, PA

Central-Line Associated Bloodstream Infections Related to Inpatient Pulmonary Artery Catheterization Among Patients Waiting for Heart Transplantation

Usama Daimee, Katherine Dodd, Saadia Sherazi, Lynn Fine, Christine Hay, Eugene Storozyński, Jeffrey Alexis, Leway Chen. University of Rochester Medical Center, Rochester, NY
Baseline Characteristics Predict the Presence of Amyloid on Endomyocardial Biopsy Among Patients With Heart Failure With Preserved Ejection Fraction


Burden of Heart Failure and Treatment Practices Among Patients with HIV Infection in an Era of Contemporary Antiretroviral Therapy

Sadeer G. Al-Kindi, Guilherme H. Oliveira, Chris T. Longenecker. University Hospitals Case Medical Center, Cleveland, OH