

Moderated Poster Sessions will take place in the Exhibit Hall during poster receptions. Presenters will be asked to participate in one of the following:

Moderated Poster Session I (odd numbered posters): Saturday, September 15, 6:15 – 7:15 PM

Moderated Poster Session II (even numbered posters): Sunday, September 16, 5:45 – 6:45 PM

JNC NI Basic Science Award Session

001

Epigenomic Control of Cardiac Fibrosis by Bet Bromodomain Proteins in Dilated Cardiomyopathy

Michael A. Burke¹, Hiroko Wakimoto², Zhe Jiao¹, Joshua M. Gorham², Steven R. DePalma², David A. Conner², Jun Qi³, Jonathan G. Seidman², James E. Bradner³, Jonathan D. Brown⁴, Saptarsi M. Haldar⁵, Christine E. Seidman². ¹Emory University, Atlanta, GA; ²Harvard Medical School, Boston, MA; ³Dana Farber Cancer Institute, Boston, MA; ⁴Vanderbilt University, Nashville, TN; ⁵University of California, San Francisco, San Francisco, CA

002

Elevated Sera sST2 Predicts Heart Failure in Men Under the Age of 50 with Clinically Suspected Myocarditis

Katelyn A. Bruno^{1,2}, Michael J. Coronado², Lori Blauwet³, Erika Douglass^{1,2}, Eric Abston², Adriana Bucek², J. Augusto Frisancho², Merci S. Greenaway², Anneliese R. Hill¹, Leslie T. Cooper¹, DeLisa Fairweather^{1,2}. ¹Mayo Clinic, Jacksonville, FL; ²Johns Hopkins Bloomberg School of Public Health, Baltimore, MD; ³Mayo Clinic, Rochester, MN

003

A Cardiac-Specific Regulatory Genetic Variant for Protein Kinase C α is Significantly Associated with Mortality in Patients with Heart Failure

Jasmine A. Luzum (formerly Talameh)^{1,2}, Christopher Ting², Edward Peterson², Hongsheng Gui², Liang Li^{3,4}, Wolfgang Sadee⁴, Danxin Wang⁴, David E. Lanfear². ¹University of Michigan, Ann Arbor, MI; ²Henry Ford Health System, Detroit, MI; ³Southern Medical University, Guangzhou, China; ⁴Ohio State University, Columbus, OH

004

Increased Frequency of CD4⁺CD57⁺ Senescent T Cells in Patients with Acute Heart Failure: Exploring New Pathogenic Mechanisms with Clinical Relevance

Jong-Chan Youn¹, Min Kyung Jung², In-Cheol Kim³, Myung Soo Park¹, Sun-Ki Lee¹, Suk-Won Choi¹, Seongwoo Han¹, Kyu-Hyung Ryu¹, Seok-Min Kang⁴, Eui-Cheol Shin². ¹Dontan Sacred Heart Hospital, Hallym University, Hwaseong, Korea, Republic of; ²Graduate School of Medical Science and Engineering, KAIST, Daejeon, Korea, Republic of; ³Keimyung University Dongsan Medical

Center, Daegu, Korea, Republic of; ⁴Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea, Republic of

JNC NI Clinical Award Session

005

The β -Adrenergic Agonist Albuterol Improves Pulmonary Vascular Reserve in Heart Failure with Preserved Ejection Fraction: A Randomized Controlled Trial

Yogesh N. V. Reddy, Masaru Obokata, Katlyn Koepp, Barry A. Borlaug. Mayo Clinic, Rochester, MN

006

Diagnostic Accuracy of a Precision Medicine Blood Test for Assessing Obstructive Coronary Artery Disease in Nondiabetic Patients with Newly-Diagnosed Heart Failure with Reduced Ejection Fraction - A Pilot Study

Michael C. Viray, Daniel Brito, Mohammad N. Zabad, Ebenezer Oni, Vincent Figueredo, Behnam Bozorgnia. Einstein Heart & Vascular Institute, Philadelphia, PA

007

Impact of Epicardial Adipose Tissue in Heart Failure with Preserved Ejection Fraction

Katlyn E. Koepp, Masaru Obokata, Yogesh N. Reddy, Thomas P. Olson, Barry A. Borlaug. Mayo Clinic, Rochester, MN

008

Temporal Changes in Right Ventricular Structure and Function in Patients with Heart Failure and Preserved Ejection Fraction

Masaru Obokata¹, Yogesh N. V. Reddy¹, Vojtech Melenovsky², Sorin Pislaru¹, Barry A. Borlaug¹. ¹Mayo Clinic, Rochester, MN; ²Institute for Clinical and Experimental Medicine – IKEM, Prague, Czech Republic

009

Right Heart Failure during Support with a Left Ventricular Assist Device is Associated with Primary Graft Dysfunction after Heart Transplantation

Phillip M. King, David S. Raymer, Jerrica E. Shuster, Mallory L. Crain, Joel D. Schilling. Washington University / Barnes Jewish Hospital, Saint Louis, MO

010

Successful Reduction in the Heart Failure Length of Stay through Standardized Management

Maekal Elyasi, James W. Ciancarelli, Norhan M. Mohammed, Andrew J. Maidhof, Nickolaos Michelakis, Justine S. Lachmann. NYU Winthrop University Hospital, Mineola, NY

Nursing Investigator Award

011

Multifaceted Interventions at Skilled Nursing and Long Term Care Facilities Reduce 30 day Heart failure Readmissions

Michaëlle Callihan, Srinivas Murali, Alison Neal, Lexi Robinson, Nicole Spellman Kyluck, Azam Hadi. Allegheny Health, Pittsburgh, PA

012

Patient Perceptions of a Heart Failure Action Plan: A Qualitative Study

Kelley M. Anderson¹, Rachel Barish², Martha Awoke³. ¹Georgetown University, Washington, DC; ²MedStar, Georgetown University, Heart and Vascular Institute, Washington, DC; ³MedStar, Georgetown University Hospital, Washington, DC

013

Factors Associated with Heart Failure Self-Care in a Low Socioeconomic Status, Urban Patient Population

Carolyn Dickens¹, Victoria Vaughan-Dickson², Mariann R. Piano³. ¹University of Illinois of Chicago, Chicago, IL; ²New York University, New York, NY; ³Vanderbilt University, Nashville, TN

014

Changes in Heart Failure Self-care Behaviors and Intrathoracic Impedance over 6 Months.

Jonathan P. Auld¹, Christopher S. Lee². ¹Oregon Health and Science University School of Nursing, Portland, OR; ²Boston College William F. Connell School of Nursing, Chestnut Hill, MA

015

Cardiotoxicity after Cancer Treatment: Comparing Clinical Practice with Guidelines

Robyn A. Clark¹, Tania S. Marin¹, John J. Atherton², Julie Bradley³, Jonathan Foote¹, Suchi Grover¹, Christopher S. Karapetis¹, Robyn Peters⁴, Sid SelvaNayagam³, Bogda Koczwara¹. ¹Flinders University, Adelaide, Australia; ²University of Queensland, Brisbane, Australia; ³Royal Adelaide Hospital, Adelaide, Australia; ⁴Princess Alexandra Hospital, Brisbane, Australia

016

A Simulation-Based Mastery Learning Approach to Ventricular Assist Device Self-Management: The SimVAD Study

Rebecca S. Harap, Kenzie A. Cameron, Gretchen Nonog, Lauren Schulze, Elaine Cohen, Kathleen L. Grady, Jane E. Wilcox, Kerry Shanklin, Clyde W. Yancy, Duc Thinh Pham, Jeffrey H. Barsuk. Northwestern University Feinberg School of Medicine, Chicago, IL

Rapid Fire

017

Association between Sacubitril/Valsartan Initiation and Health Status Outcomes in Heart Failure with Reduced Ejection Fraction: Findings from the CHAMP-HF Registry

Yevgeniy Khariton¹, Adrian Hernandez², Gregg C. Fonarow³, Puza P. Sharma⁴, Carol I. Duffy⁴, Laine Thomas², Xiaojuan Mi², Nancy M. Albert⁵, Javed Butler⁶, Kevin McCague⁴, Michael E. Nassif⁷, Fredonia B. Williams⁸, Adam DeVore², J. Herbert Patterson⁹, John A. Spertus¹. ¹UMKC/Mid-America Heart Institute, Kansas City, MO; ²Duke University, Durham, NC; ³University of California-Los Angeles, Los Angeles, CA; ⁴Novartis Pharmaceuticals, East Hanover,

NJ; ⁵Cleveland Clinic, Cleveland, OH; ⁶Stony Brook University, New York, NY; ⁷Washington University in Saint Louis, Saint Louis, MO; ⁸Mended Hearts, Huntsville, AL; ⁹Eshelman School of Pharmacy, Chapel Hill, NC

018

Heart Failure Society of America Research Network Survey

Susan Ammon¹, Biykem Bozkurt², Eugene Chung³, Robert Cole⁴, Patrice Desvigne-Nickens⁵, Mona Fiazat⁶, Stephen Greene⁷, David Kraus⁸, Bonnie Ky⁹, Colleen McIlvennan¹⁰, Palak Shah¹¹, John Teerlink¹², Chris O'Connor¹¹. ¹none, San Francisco, CA; ²Baylor College of Medicine, Houston, TX; ³The Christ Hospital, Cincinnati, OH; ⁴Emory University, Atlanta, GA; ⁵NHLBI, Bethesda, MD; ⁶Duke University, Durham, NC; ⁷Duke University Medical Center, Durham, NC; ⁸Stern Cardiovascular Foundation, Memphis, TN; ⁹University of Pennsylvania Health System, Philadelphia, PA; ¹⁰University of Colorado, Aurora, CO; ¹¹Inova Heart & Vascular Institute, Falls Church, VA; ¹²University of California, San Francisco, San Francisco, CA

019

Reactive Hyperemia is Decreased in Black Subjects with Heart Failure Despite Equal Prescription of Guideline-Directed Medical Therapy

Alanna A. Morris¹, Yi-An Ko¹, Eisha Udeshi¹, Javed Butler², Arshed Quyyumi¹. ¹Emory University, Atlanta, GA; ²University of Mississippi Medical Center, Jackson, MS

020

Specific Pro-Inflammatory Signaling Pathways are Induced in Patients with Cardiac Sarcoidosis; Potential Prognostic/Therapeutic Applications

Bryan Young¹, Kelsie E. Oatmen², Lisa A. Freeburg², Kia N. Zellars², Ashley A. Sapp², Erica Herzog¹, Edward J. Miller¹, Francis G. Spinale². ¹Yale University School of Medicine, New Haven, CT; ²USC School of Medicine, Columbia, SC

021

Catheter Ablation and Mortality in Patients with Atrial Fibrillation and Heart Failure: A Meta-analysis of Randomized Trials

Stefan Sicinschi, Khagendra Dahal, Maria Khan, Paari Dominic. LSU Health Shreveport, Shreveport, LA

022

Device Measured Rapid Shallow Breathing Index Reflects Changing Respiratory Patterns but Minute Ventilation Reflects Changing Activity During Worsening Heart Failure in Ambulatory Patients

Seth Rials¹, Mehmet Aktas², Alessandro Capucci³, Roy Gardner⁴, Michael Gold⁵, Giulio Molon⁶, Pramod Thakur⁷, Robert Sweeney⁷, Yi Zhang⁷, Qi An⁷, Viktoria Averina⁷, John Boehmer⁸. ¹Ohio Health, Gahanna, OH; ²University of Rochester, Rochester, NY; ³Università Politecnica delle Marche, Ancona, Italy; ⁴Golden Jubilee National Hospital, Clydebank, United Kingdom; ⁵Medical

University of South Carolina, Charleston, SC; ⁶Sacro Cuore Hospital, Negrar, Italy; ⁷Boston Scientific, St. Paul, MN; ⁸Penn State Hershey Medical Center, Hershey, PA

023

Comparison of Angiographic Outcomes after Drug-eluting Stents and Bare-metal Stents in Patients with Cardiac Allograft Vasculopathy: A Metanalysis

Sagar Ranka, Abhushan Poudyal, Udit Joshi, Vamsi Kodumuri, Neha Yadav. John H Stroger Hospital of Cook County, Chicago, IL

024

Electromagnetic Interference between Subcutaneous ICD and HeartMate II LVAD

Samineh Sehatbakhsh, Alexander Kushnir, Robert Chait, Waqas Ghumman. University of Miami Miller School of Medicine Palm Beach Consortium, Atlantis, FL

025

Heart Failure in Constrictive Pericarditis Improves Rapidly with Medical Therapy in Patients with Higher Inflammatory Burden

Chandra K. Ala¹, Kinjal Banerjee¹, Kimi Sato¹, Beni R. Verma¹, Anil Anumandla¹, Vivek Menon¹, Keerat R. Ahuja¹, Arnav Kumar², Allan L. Klein¹. ¹Cleveland Clinic, Cleveland, OH; ²Emory University, Atlanta, GA

026

MARKER-HF (Machine Learning Assessment of Risk and Early mortality in Heart Failure): Development and Validation of a Novel Model MARKER-HF (Machine Learning Assessment of Risk and Early mortality in Heart Failure): Development and Validation of a Novel Model that Accurately Identifies High Risk Heart Failure Patients that Accurately Identifies High Risk Heart Failure Patients

Eric Adler¹, Barry Greenberg², Oscar Braun², Fima Macheret³, Christopher Campagnari⁴. ¹UCSD, La Jolla, CA; ²UCSD Medical Center, La Jolla, CA; ³University of Pennsylvania-Penn Presbyterian, Philadelphia, PA; ⁴Westerly Hospital, Hope Valley, RI

027

Predictors of Worsening Renal Function Over Time: A Population Based Study

Ryan Balko, Christopher Scott, S. Jeson Sangaralingham, Richard Rodeheffer, Horng Chen. Mayo Clinic, Rochester, MN

028

Is Sacubitril/Valsartan Under-Prescribed in The United States? A Real-World Insight from The Explorys Registry.

Mohamed Khayata, Sadeer Al Al-Kindi, Linda Njoroge, Guilherme H. Oliveira. University Hospitals Cleveland Medical Center, Cleveland, OH

Moderated Poster Session 1

029

Sleep Apnea is not Associated with Elevations in Pulmonary Artery Pressure in a Clinical Cohort

Michael V. Genuardi, Rachel P. Ogilvie, Aisha Rasool Saand, Stephen Y. Chan, Sanjay R. Patel.
University of Pittsburgh, Pittsburgh, PA

Moderated Poster Session II 030

Evolution of Asymptomatic Left Ventricular Dysfunction in 380 Long-term Survivors of Childhood Cancer

Jan M. Leerink¹, Heleen J. H. Van Der Pal², Elizabeth A. M. Feijen¹, Paola G. Meregalli¹, Yigal M. Pinto¹, Leontien C. M. Kremer³, Wouter E. M. Kok¹. ¹AMC, Amsterdam, Netherlands; ²Prinses Maxima Center, Utrecht, Netherlands; ³Prinses Maxima center/AMC, Utrecht/Amsterdam, Netherlands

031

Sacubitril/Valsartan Initiated in Hospitalized Patients with Heart Failure with Reduced Ejection Fraction after Hemodynamic Stabilization: Primary Results of the TRANSITION Study

Rolf Wachter¹, Michele Senni², Jan Belohlavek³, Dmytro Butylin⁴, Adele Noe⁴, Domingo Pascual-Figal⁵. ¹University Hospital Leipzig, Leipzig, Germany; ²Hospital Papa Giovanni XXIII, Bergamo, Italy; ³Charles University in Prague, Prague, Czech Republic; ⁴Novartis Pharma AG, Basel, Switzerland; ⁵Hospital Universitario Virgen de la Arrixaca, Universidad de Murcia, Murcia, Spain

032

Effect of a Single Subcutaneous Infusion of Furosemide Compared with Intravenous Bolus on Vital Signs in Patients with Heart Failure

John Mohr¹, Rene Myers¹, James E. Udelson², Daniel Bensimhon³, Stuart D. Russell⁴.
¹scPharmaceuticals, Burlington, MA; ²Tufts Medical Center, Boston, MA; ³Moses Cone Health, Greensboro, NC; ⁴DukeHealth, Raleigh, NC

033

Innovation in HF Care: A Pilot Study Using Simulation

Kismet Rasmusson¹, Stefanie Pease-Romero², Jose Benuzillo¹, Nancy Bardugon², Colleen Roberts¹, Donald Lappe¹, A.G. Kfoury¹. ¹Intermountain Heart Institute, Salt Lake City, UT; ²Intermountain Healthcare, Salt Lake City, UT

034

Axial Muscle Mass as a Strong Predictor of Death in Subjects with and without Heart Failure

Anupam A. Kumar¹, Bilal Ansari¹, Jessica Kim¹, Arpita Suri¹, Sowmya Gaddam¹, Sowjanya Yenigalla¹, Jagan M. Vanjarapu¹, Senthil Selvaraj¹, Dheera Tamvada¹, Jonathan Lee¹, Scott R. Akers², Julio Chirinos¹. ¹University of Pennsylvania, Philadelphia, PA; ²Corporal Michael J. Crescenz Veterans Affairs Medical Center, Philadelphia, PA

035

Effect of RAGE Manipulation on Diabetic Cardiomyopathy in Mice

Ismayil Ahmet, Li Lin, Edward G. Lakatta. NIA/NIH, Baltimore, MD

036

Outcomes Following Heart Transplantation from Circulatory Dead Donors - A Single Centre Experience

Ayyaz A. Ali¹, Aravinda Page², Simon Messer², Yasir Abu-Omar², Pedro Catarino², Stephen R. Large². ¹Yale New Haven Hospital, New Haven, CT; ²Papworth Hospital, Cambridge, United Kingdom

037

Targeted Delivery and Controlled Release of a Small Molecule Matrix Metalloproteinase Inhibitor Using a Self-Assembling Hydrogel Following Myocardial Infarction

Joshua E. Mealy¹, Shayne C. Barlow², Heather Doviak³, Julia Jacobs³, William M. Torres², Jason A. Burdick¹, Francis G. Spinale^{3,4}. ¹University of Pennsylvania, Philadelphia, PA; ²University of South Carolina, Columbia, SC; ³USC School of Medicine, Columbia, SC; ⁴William Jennings Bryan Dorn VA Medical Center, Columbia, SC

038

Phrenic Nerve Stimulation for Central Sleep Apnea is Effective and Safe in the Presence of Concomitant Cardiac Devices

Maria Rosa Costanzo¹, Lee R. Goldberg², Piotr Ponikowski³, Ralph Augustini⁴, Christoph Stellbrink⁵, William Abraham⁴. ¹Advocate Heart Institute, Naperville, IL; ²University of Pennsylvania, Philadelphia, PA; ³Fourth Military Hospital, Wroclaw, Poland; ⁴The Ohio State University, Columbus, OH; ⁵Bielefeld Medical Center, Bielefeld, Germany

039

Impact of Early Weight Changes after Left Ventricular Assist Device Implantation on Subsequent Survival

Amanda R. Vest¹, Angelo DeNofrio¹, Alexandra Coston¹, Sakthi K. Sundararajan², Matthew Lawrence¹, Nathan G. Yuen¹, Lauren Parsly¹, Michael S. Kiernan¹, David DeNofrio¹, Gregory Couper¹, Edward Saltzman³. ¹Tufts Medical Center, Boston, MA; ²Mount Auburn Hospital, Cambridge, MA; ³Friedman School of Nutrition, Tufts University, Boston, MA

040

Predicting Mortality in Decompensated Heart Failure: A Retrospective Study of 1,023 Veteran Admissions

Arick C. Park¹, David R. Murray². ¹Washington University, St. Louis, MO; ²University of Wisconsin, Madison, WI

041

Use of Ventricular Assist Device Acoustical Signatures to Detect Device Thrombosis

Beren Semiz¹, Sinan Hersek¹, Mazyar Baran Pouyan¹, Cynthia Partida², Leticia Blazquez², Van Selby², Georg Wieselthaler², Omer T. Inan¹, Liviu Klein². ¹Georgia Institute of Technology, Atlanta, GA; ²University of California San Francisco, San Francisco, CA

Biomarkers/Neurohormones/Cytokines

043

Time to Brain Natriuretic Peptide Decrease and Outcomes in Acute Heart Failure

Yu H. Horiuchi¹, Nicholas Wettersten¹, Patrick Murray², Alan Maisel¹. ¹University of California San Diego, San Diego, CA; ²University College Dublin, Dublin, Ireland

045

Brain Natriuretic Peptide Helps Prognosticate Improvement in Renal Function in Acute Heart Failure

Yu H. Horiuchi¹, Nicholas Wettersten¹, Patrick Murray², Alan Maisel¹. ¹University of California San Diego, San Diego, CA; ²University College Dublin, Dublin, Ireland

046

Novel Biomarkers of Oxidative Stress are Associated with Risk of Death and Hospitalization in Patients with Heart Failure

Alanna A. Morris¹, Yi-An Ko¹, Eisha Udeshi¹, Dean P. Jones¹, Javed Butler², Arshed Quyyumi¹. ¹Emory University, Atlanta, GA; ²University of Mississippi Medical Center, Jackson, MS

047

Assessment of Soluble ST2 and BNP in Pediatric Patients with Left Ventricular Dysfunction

Hugo R. Martinez, Paula Casson, Nicholas Ollberding, Thomas Ryan, Ivan Wilmot, John Jefferies. Cincinnati Children's Hospital Medical Center, Cincinnati, OH

048

Myocardial Injury and Cardiac Reserve Limitation in Heart Failure with Preserved Ejection Fraction

Masaru Obokata¹, Yogesh N. V. Reddy¹, Vojtech Melenovsky², Garvan C. Kane¹, Thomas P. Olson¹, Petr Jarolim³, Barry A. Borlaug¹. ¹Mayo Clinic, Rochester, MN; ²Institute for Clinical and Experimental Medicine – IKEM, Prague, Czech Republic; ³Brigham and Women's Hospital, Harvard Medical School, Boston, MA

049

Endothelial PD-L1 Expression as a Biomarker for Acute Rejection in Heart Transplantation

William Bracamonte-Baran¹, Nisha A. Gilotra¹, Jan M. Griffin¹, Monica Talor¹, David Nauen¹, Kavita Sharma¹, Ilan S. Wittstein¹, Marc Halushka¹, Stuart D. Russell², Daniela Clhakova¹. ¹Johns Hopkins University, Baltimore, MD; ²Duke University, Durham, NC

050

Chronic Therapy with Sacubitril/Valsartan Reduces Plasma Troponin-I Level in Dogs with Experimentally-Induced Cardiorenal Syndrome

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

051

Gastrointestinal Bleeding is Associated with a Shift Towards a Pro-Angiogenic Phenotype after Continuous Flow Left Ventricular Assist Device Implantation

Adam L. Edwards, C. Mel Wilcox, Salpy V. Pamboukian, Peter Mannon, Shajan Peter. University of Alabama at Birmingham, Birmingham, AL

053

Development of Useful Conversion Equation between B-type Natriuretic Peptide and N-terminal pro BNP Levels

Shintaro Kasahara¹, Yasuhiko Sakata^{1,2}, Kotaro Nochioka¹, Ruri Abe¹, Masayuki Sato¹, Hajime Aoyanagi¹, Masanobu Miura¹, Takashi Shiroto¹, Jun Takahashi¹, Koichiro Sugimura¹, Satoshi Miyata¹, Hiroaki Shimokawa^{1,1,2}. ¹Tohoku University Graduate School of Medicine, Sendai, Japan; ²Tohoku University, Sendai, Japan

054

Volume and Pressure in Heart Failure: Complementary but not Two Sides of the Same Coin

Wayne L. Miller. Mayo Clinic, Rochester, MN

055

D-dimer, hsCRP, Ghrelin, MMP3 and Eotaxin Correlate with Ejection Fraction in Cardiomyopathy

Mohamad Khattab¹, Jose R. Martinez-Parachini¹, Muhammad Arif¹, Andrea Vincent², Faisal Latif^{1,3}, Angelia Kirkpatrick^{1,3}. ¹University of Oklahoma Health Sciences Center, Oklahoma City, OK; ²University of Oklahoma, Norman, OK; ³Veterans Affairs Medical Center, Oklahoma City, OK

056

Volume-Kidney Interaction in Chronic Heart Failure - Impact of Subclinical Volume Expansion and Chronic Kidney Disease on Clinical Outcomes

Wayne L. Miller, Diane Grill. Mayo Clinic, Rochester, MN

057

Identification of a Novel microRNA Profile in Pediatric Cancer Patients Following Anthracycline Chemotherapy

Kelsie E. Oatmen¹, Olga H. Toro-Salazar², Kia N. Zellars¹, Kathryn C. Mason^{3,1}, Ashley A. Sapp¹, Kan Hor⁴, Eileen Gillan⁵, Caroline J. Zeiss⁶, Daniel M. Gatti⁷, Brooke T. Davey², Bruce T. Liang⁸, Francis G. Spinale^{1,3}. ¹USC School of Medicine, Columbia, SC; ²Connecticut Children's Medical Center, Hartford, CT; ³William Jennings Bryan Dorn VA Medical Center, Columbia, SC; ⁴Nationwide Children's Hospital, Columbus, OH; ⁵Connecticut Children's Medical Center,

Hartford, CT; ⁶Yale University School of Medicine, New Haven, CT; ⁷Jackson Laboratories, Bar Harbor, ME; ⁸University of Connecticut Health Center, Farmington, CT

058

Admission pro-B-type Natriuretic Peptide by Obesity Category in Hospitalized Heart Failure with Preserved Ejection Fraction

Joban Vaishnav, Jessica E. Chasler, Chiade E. Ndumele, Stuart D. Russell, Kavita Sharma. Johns Hopkins Hospital, Baltimore, MD

059

The Renal Effects of Aggressive Volume Removal in Heart Failure Patients with Preexisting Worsening Renal Function

Devin Mahoney¹, Tariq Ahmad¹, Veena Rao¹, Meredith Brisco-Bacik², F. Perry Wilson¹, Edward Siew³, G. Michael Felker⁴, Kevin Anstrom⁴, Bradley Bart⁵, W. H. Wilson Tang⁶, Christopher O'Connor⁷, Eric Velazquez⁴, Jeffrey Testani¹. ¹Yale University, New Haven, CT; ²Temple University, Philadelphia, PA; ³Vanderbilt University, Nashville, TN; ⁴Duke University, Durham, NC; ⁵Hennepin County Medical Center, Minneapolis, MN; ⁶Cleveland Clinic, Cleveland, OH; ⁷Inova Heart and Vascular Institute, Falls Church, VA

Cardiovascular Pharmacology

060

Medication Counts for Adults with Heart Failure do not Differ According to Functional Impairment

Jerard Kneifati-Hayek, Joanna Bryan, Madeline Sterling, Samprit Banerjee, Monika Safford, Parag Goyal. Weill Cornell Medicine, New York City, NY

062

Evaluation of an AT1R Antagonist Valsartan in a Mouse Model Exhibiting Typical Signs of Human-like Heart Failure

Xiuying Ma, Shahid Tannu, John Allocco, Jie Pan, Pancras Wong. Bristol Myers Squibb, Pennington, NJ

063

Patient Paid Healthcare Costs Following Initiation with Sacubitril/Valsartan in a Retrospective Claims-Based Study

Nancy M. Albert¹, Jason P. Swindle², Erin K. Buysman², Chunlan Chang³. ¹Cleveland Clinic, Cleveland, OH; ²Optum, Eden Prairie, MN; ³Novartis Pharmaceuticals Corporation, East Hanover, NJ

064

Outcomes of Angiotensin Receptor-Nepriylsin Inhibitor Prescriptions for Patients with Heart Failure and Reduced Ejection Fraction in Real World Clinical Practice

Rhynn J. Malloy, Katelyn V. Smith, Gretchen M. Stern, Akshay S. Desai. Brigham and Women's Hospital, Boston, MA

065

Real-world Prevalence of Adverse Events after Initiating Sacubitril/Valsartan Compared to ACE Inhibitors or ARBs in Heart Failure

Sarah Adie, Abbas Bitar, Kristen Pogue, Sarah Hanigan, Mike Dorsch. University of Michigan, Ann Arbor, MI

066

Effect of Enoxaparin on Bleeding and Thrombosis in Patients Supported with Ventricular Assist Devices

Dalila Masic, Abigail Cook, Timothy Cober, Anjali Joshi, Max Liebo. Loyola University Medical Center, Maywood, IL

067

Should Torsamide be the Loop Diuretic of Choice in Heart Failure?

Nawfal A. Al-Khafaji¹, Abhilash Akinapelli¹, Olha Huzo², Faysal Alghoula¹, Venkata Alla¹.
¹Creighton University, Omaha, NE; ²Saint James School of Medicine, Chicago, IL

068

Outpatient Lisinopril and Losartan Blood Levels are Associated With In-Hospital Acute Kidney Injury Among Patients with Acute Heart Failure

Candace McNaughton¹, Sean Collins¹, JoAnn Lindenfeld¹, J Scott Daniels², Ryan Morrison², Thomas Wang¹. ¹VUMC, Nashville, TN; ²Sano Informed Prescribing, Brentwood, TN

069

A Comparison of Digitalis use on Mortality and Morbidity among Special Populations with Heart Failure Reduced Ejection Fractions.

James O. Ampadu, Hassan Alkhawam, Tarek Helmy, Elsayed Abo-Salem. Saint Louis University School of Medicine, Saint Louis, MO

070

Sacubitril-Valsartan versus Standard Anti-Hypertensives in Left Ventricular Assist Device Patients

Erika Nicolsen, Lisa Curran, Stephanie Dixon, Molly Reece, Sarah Herbert, Amy Clegg, Michael Tillery, Daniel Bensimhon, Dalton McLean. Cone Health, Greensboro, NC

071

Time in Therapeutic Tacrolimus Range Predicts 1-Year Clinical Rejection and Survival: Time For a Paradigm Shift?

Brandon Martinez¹, William L. Baker², Heather Kutzler¹, Nirav Patel¹, Joseph Radojevic¹, Konstadina Darsaklis¹, Lynn O'Bara¹, James Dougherty¹, Andrew Feingold¹, Jonathan

Hammond¹, Daniel Fusco¹, Jason A. Gluck¹. ¹Hartford Hospital, Hartford, CT; ²University of Connecticut School of Pharmacy, Storrs, CT

072

Initiation of Sacubitril/Valsartan Early after Heart Failure Decompensation

Kathleen A. Packard, Daniel E. Hilleman. Creighton University, Omaha, NE

073

Initiation of Sacubitril/Valsartan (S/V) in Patients with Heart Failure with Reduced Ejection Fraction (HFrEF) and Compliance with Guideline-Directed (GD) Concomitant Medical Therapy for Heart Failure

Chunlan Chang¹, Xue Song², Michelle Choi³, Carol Duffy¹. ¹Novartis, East Hanover, NJ; ²IBM Watson Health, Cambridge, MA; ³University of Maryland, Baltimore, MD

074

An Analysis on Clinical Outcomes and Diuretic Requirements Following Initiation of Sacubitril/Valsartan in Patients with Chronic Heart Failure with Reduced Ejection Fraction

Natalie Pierson, Cheryl Abbas, Gordon Reeves. Thomas Jefferson University Hospital, Philadelphia, PA

075

AG10, A Novel, Potent and Selective Transthyretin Stabilizer, is Well Tolerated at Doses Resulting in Target Therapeutic Blood Levels, and Demonstrates Clinical Proof-of-Concept in Healthy Volunteers

Jennifer L. Hellawell¹, Satish Rao¹, Terry O'Reilly², Rick Lumpkin¹, Jesper Jernelius¹, Daniel Gretler¹, Uma Sinha¹, Jonathan C. Fox¹. ¹Eidos Therapeutics, Inc., San Francisco, CA; ²Celerion, Inc., Tempe, AZ

076

Reduction of Sympathetic Innervation Following Transition to Sacubitril/Valsartan in the Remodel (Reverse Remodeling Effects of Entresto) Study

Gabriel Sayer¹, Sara Kalantari¹, Sarah Tayazime¹, Diego Medvedofsky², Gene Kim¹, Nitasha Sarswat¹, Jayant Raikhelkar¹, David Beiser¹, James Liao¹, Parker Ward¹, Roberto Lang¹, Nir Uriel¹. ¹University of Chicago Medicine, Chicago, IL; ²MedStar Health Research Institute, Chicago, IL

077

Real World Use of Hypertonic Saline in Refractory Acute Decompensated Heart Failure: A U.S. Center's Experience

Erden Goljo¹, Aaron Soufer¹, Matthew Colna², Veena Rao¹, Julie D'Ambrosi¹, Ralph Riello¹, Devin Mahoney¹, Wilson Tang³, Jeffrey Testani¹. ¹Yale University, New Haven, CT; ²Norwalk Hospital, Norwalk, CT; ³Cleveland Clinic Foundation, Cleveland, OH

078

Elevated Triglycerides (≥ 150 mg/dL) and High Triglycerides (200-499 mg/dL) are Significant Predictors of New Heart Failure Diagnosis: A Real-World Analysis of High-Risk Statin-Treated Patients

Peter P. Toth¹, Sephy Philip², Michael Hull³, Djibril Liassou³, Craig Granowitz². ¹CGH Medical Center, Sterling, IL; ²Amarin Pharma Inc., Bedminster, NJ; ³Optum, Eden Prairie, MN

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Effects of Very Low (12/13mg) and Low Dose (24/26mg) Sacubitril/Valsartan on N-Terminal Pro-B-Type Natriuretic Peptide

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Evaluation of Antidepressant use in Patients with Heart Failure with Preserved Ejection Fraction Enrolled in the America's Subgroup of the TOPCAT trial

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Guidance of Intra-Operative Ventricular Tachycardia Ablation during LVAD Implantation with Pre-operative Cardiac MRI

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Association between Age and Early Mortality Risk after Implantable Cardioverter Defibrillator Implantation within The Veteran Affairs Health System

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Third Heart Sound During Atrial Fibrillation? Confirming the Existence of Cardiac Vibrations During Deceleration Phase of Early Diastolic Filling While in Atrial Fibrillation

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Predictors of Early (<30 Days) and Late (>30 Days) Onset De Novo Ventricular Arrhythmia Following Continuous Flow- Left Ventricular Assist Device (CF-LVAD) Implantation

Faisal H. Cheema, Deep Pujara, Brian D. Greet, Ajith Nair, L. Simpson, Andrew Civitello, Francia Rojas-Delgado, Jei Cheng, Jeffrey Morgan, Nilesh Mathuria. Baylor College of Medicine & Texas Heart Institute, Houston, TX

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Ruth M. Masterson Creber¹, David Russell², Frances Dooley², Lizeyka Jordan², Dawon Baik¹, Parag Goyal³, Scott Hummel⁴, Ellen K. Hummel⁴, Kathryn H. Bowles². ¹Columbia University, New York, NY; ²Visiting Nurse Service of New York, New York, NY; ³Weill Cornell Medicine, New York, NY; ⁴University of Michigan Ann Arbor Veterans Affairs Health System, Ann Arbor, MI

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Specialized Resident Force in Internal Medicine Residency Program Helps Modify Risk of Heart Failure Readmissions: A Performance Improvement Project

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Symmetrical Peripheral Gangrene Associated with Low Output Cardiac Failure

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Charlotte Dunderdale, Sara Strout, Kim Cuomo, Nisha Gilotra, Jess Chasler. The Johns Hopkins Hospital, Baltimore, MD

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Successful Extracorporeal Membrane Oxygenation in the Management of Acute Respiratory Distress Syndrome and Cardiopulmonary Collapse Secondary to Amniotic Fluid Embolism

Sumon Roy¹, Nishit Biniwale¹, Patricia Oates², Katrina Wojciechowski², Scott Feitell². ¹Rochester General Hospital, Rochester, NY; ²Sands-Constellation Heart Institute, Rochester, NY

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Multipoint Pacing Reduces Predicted Health Care Costs in the Majority of Cardiac Resynchronization Therapy Patients

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Seismocardiography Can Assess Cardiopulmonary Exercise Test Parameters in Patients with Heart Failure

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Sustaining Quality of Life of the Aged: Transplant or Mechanical Support: Baseline Cognitive Dysfunction

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Epithelial to Mesenchymal Transition in Endomyocardial Biopsies from Orthotopic Heart Transplant Recipients

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Invasive Hemodynamic after LVAD Implantation and Association with Outcomes

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A Novel Cytomegalovirus Prophylaxis Protocol in Cytomegalovirus (CMV) D+/R- Heart Transplant Recipients: A Single-Center Experience

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Persistent Hyponatremia after LVAD Implantation and Associated Outcomes

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Post-operative Bleeding Increases the Rate of Right Ventricular Failure and In-Hospital Mortality after LVAD Implantation

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Beyond Borders: Our Middle Eastern Experience of International Collaboration to Run a Successful Heart Transplantation Program

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**Cardiogenic Shock and Short-Term Mechanical Circulatory Support Options in the Current Era:
Focus on Adverse Events**

Iosif Taleb, Antigone Koliopoulou, Anwar Tandar, Stephen McKellar, Jose Nativi-Nicolau, Dimitrios Athanasiadis, Omar Wever-Pinzon, Edward Gilbert, James Fang, Josef Stehlik, Joseph Tonna, Homam Ibrahim, Elizabeth Dranow, Craig Selzman, Frederick Welt, Stavros Drakos. University of Utah, Salt Lake City, UT

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Increased Prevalence of Cardiac Allograft Donors with Improved LV Systolic Function Utilizing an Out-of-Hospital Treatment and Recovery Center

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Elevated Cytotoxic T Cells is Associated with Allosensitization of Patients Supported by a Continuous-Flow Left Ventricular Assist Device

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A Multi-Institutional Retrospective Cohort Study of the Pulmonary Artery Pulsatility Index's Ability to Predict post-LVAD Implant Right Ventricular Failure and 1-Year Mortality

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Impact of Body Mass Index on Device Measured Diagnostic Sensor Measurements in Ambulatory Heart Failure Patients

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Sex Differences in the Risk of Pump Thrombosis in Patients Supported with Left Ventricular Assist Devices

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Outpatient Diuretic Infusion Clinic: A Home for High Risk Heart Failure Patients

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