

JNC Young Investigators Award: Basic Science
Monday, September 17, 2018, 10:30 am - 12:00 pm

Control Number	Poster Board #	Title	Author Block	Author Disclosures
1391	001	Epigenomic Control of Cardiac Fibrosis by Bet Bromodomain Proteins in Dilated Cardiomyopathy	Michael A. Burke ¹ , Hiroko Wakimoto ² , Zhe Jiao ¹ , Joshua M. Gorham ² , Steven R. DePalma ² , David A. Conner ² , Jun Qi ³ , Jonathan G. Seidman ² , James E. Bradner ³ , Jonathan D. Brown ⁴ , Saptarsi M. Haldar ⁵ , Christine E. Seidman ² . ¹ Emory University, Atlanta, GA; ² Harvard Medical School, Boston, MA; ³ Dana Farber Cancer Institute, Boston, MA; ⁴ Vanderbilt University, Nashville, TN; ⁵ University of California, San Francisco, San Francisco, CA	M.A. Burke: None. H. Wakimoto: None. Z. Jiao: None. J.M. Gorham: None. S.R. DePalma: None. D.A. Conner: None. J. Qi: None. J.G. Seidman: None. J.E. Bradner: None. J.D. Brown: None. S.M. Haldar: None. C.E. Seidman: None.
931	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. Coronado ² , Lori Blauwet ³ , Erika Douglass ^{1,2} , Eric Abston ² , Adriana Bucek ² , J. Augusto Frisancho ² , Mercı S. Greenaway ² , Anneliese R. Hill ¹ , Leslie T. Cooper ¹ , DeLisa Fairweather ^{1,2} . ¹ Mayo Clinic, Jacksonville, FL; ² Johns Hopkins Bloomberg School of Public Health, Baltimore, MD; ³ Mayo Clinic, Rochester, MN	K.A. Bruno: None. M.J. Coronado: None. L. Blauwet: None. E. Douglass: None. E. Abston: None. A. Bucek: None. J. Frisancho: None. M.S. Greenaway: None. A.R. Hill: None. L.T. Cooper: None. D. Fairweather: None.
1199	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 Ting ² , Edward Peterson ² , Hongsheng Gui ² , Liang Li ^{3,4} , Wolfgang Sadee ⁴ , Danxin Wang ⁴ , David E. Lanfear ² . ¹ University of Michigan, Ann Arbor, MI; ² Henry Ford Health System, Detroit, MI; ³ Southern Medical University, Guangzhou, China; ⁴ Ohio State University, Columbus, OH	J.A. Luzum (formerly Talameh): None. C. Ting: None. E. Peterson: None. H. Gui: None. L. Li: None. W. Sadee: None. D. Wang: None. D.E. Lanfear: None.
1228	004	Increased Frequency of CD4⁺CD57⁺ Senescent T Cells in Patients with Acute Heart Failure: Exploring New Pathogenic Mechanisms with Clinical Relevance	Jong-Chan Youn ¹ , Min Kyung Jung ² , In-Cheol Kim ³ , Myung Soo Park ¹ , Sun-Ki Lee ¹ , Suk-Won Choi ¹ , Seongwoo Han ¹ , Kyu-Hyung Ryu ¹ , Seok-Min Kang ⁴ , Eui-Cheol Shin ² . ¹ Dontan Sacred Heart Hospital, Hallym University, Hwaseong, Korea, Republic of; ² Graduate School of Medical Science and Engineering, KAIST, Daejeon, Korea, Republic of; ³ Keimyung University Dongsan Medical Center, Daegu, Korea, Republic of; ⁴ Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea, Republic of	J. Youn: None. M. Jung: None. I. Kim: None. M. Park: None. S. Lee: None. S. Choi: None. S. Han: None. K. Ryu: None. S. Kang: None. E. Shin: None.

**JNC Young Investigators Award: Clinical/Integrative
Monday, September 17, 2018, 10:30 am - 12:00 pm**

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959	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	Y.N.V. Reddy: None. M. Obokata: None. K. Koepp: None. B.A. Borlaug: None.
1037	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	M.C. Viray: None. D. Brito: None. M.N. Zabad: None. E. Oni: None. V. Figueredo: Speaker's Bureau; CardioDx. B. Bozorgnia: None.
1382	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	K.E. Koepp: None. M. Obokata: None. Y.N. Reddy: None. T.P. Olson: None. B.A. Borlaug: None.
1002	008	Temporal Changes in Right Ventricular Structure and Function in Patients with Heart Failure and Preserved Ejection Fraction	Masaru Obokata ¹ , Yogesh N. V. Reddy ¹ , Vojtech Melenovsky ² , Sorin Pislaru ¹ , Barry A. Borlaug ¹ . ¹ Mayo Clinic, Rochester, MN; ² Institute for Clinical and Experimental Medicine – IKEM, Prague, Czech Republic	M. Obokata: None. Y.N.V. Reddy: None. V. Melenovsky: None. S. Pislaru: None. B.A. Borlaug: None.

1259	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	P.M. King: None. D.S. Raymer: None. J.E. Shuster: None. M.L. Crain: None. J.D. Schilling: None.
1016	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	M. Elyasi: None. J.W. Ciancarelli: None. N.M. Mohammed: None. A.J. Maidhof: None. N. Michelakis: None. J.S. Lachmann: None.
Nursing Research Awards Monday, September 17, 2018, 10:30 am - 12:00 pm				
Control Number	Poster Board #	Title	Author Block	Author Disclosures
1275	011	Multifaceted Interventions at Skilled Nursing and Long Term Care Facilities Reduce 30 day Heart failure Readmissions	Michaelle Callihan, Srinivas Murali, Alison Neal, Lexi Robinson, Nicole Spellman Kyluck, Azam Hadi. Allegheny Health, Pittsburgh, PA	M. Callihan: None. S. Murali: None. A. Neal: None. L. Robinson: None. N. Spellman Kyluck: None. A. Hadi: None
1388	012	Patient Perceptions of a Heart Failure Action Plan: A Qualitative Study	Kelley M. Anderson ¹ , Rachel Barish ² , Martha Awoke ³ . ¹ Georgetown University, Washington, DC; ² MedStar, Georgetown University, Heart and Vascular Institute, Washington, DC; ³ MedStar, Georgetown University Hospital, Washington, DC	K.M. Anderson: Consultant; Company Relationship; Relypsa. Stock or Stock Options; Gazuntite. R. Barish: None. M. Awoke: None.

1190	013	Factors Associated with Heart Failure Self-Care in a Low Socioeconomic Status, Urban Patient Population	Carolyn Dickens ¹ , Victoria Vaughan-Dickson ² , Mariann R. Piano ³ . ¹ University of Illinois of Chicago, Chicago, IL; ² New York University, New York, NY; ³ Vanderbilt University, Nashville, TN	C. Dickens: None. V. Vaughan-Dickson: None. M.R. Piano: None
1326	014	Changes in Heart Failure Self-care Behaviors and Intrathoracic Impedance over 6 Months.	Jonathan P. Auld ¹ , Christopher S. Lee ² . ¹ Oregon Health and Science University School of Nursing, Portland, OR; ² Boston College William F. Connell School of Nursing, Chestnut Hill, MA	J.P. Auld: None. C.S. Lee: None
1194	015	Cardiotoxicity after Cancer Treatment: Comparing Clinical Practice with Guidelines	Robyn A. Clark ¹ , Tania S. Marin ¹ , John J. Atherton ² , Julie Bradley ³ , Jonathan Foote ¹ , Suchi Grover ¹ , Christopher S. Karapetis ¹ , Robyn Peters ⁴ , Sid SelvaNayagam ³ , Bogda Koczwara ¹ . ¹ Flinders University, Adelaide, Australia; ² University of Queensland, Brisbane, Australia; ³ Royal Adelaide Hospital, Adelaide, Australia; ⁴ Princess Alexandra Hospital, Brisbane, Australia	R.A. Clark: None. T.S. Marin: None. J.J. Atherton: None. J. Bradley: None. J. Foote: None. S. Grover: None. C.S. Karapetis: None. R. Peters: None. S. SelvaNayagam: None. B. Koczwara: None.
1086	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	R.S. Harap: None. K.A. Cameron: None. G. Nonog: None. L. Schulze: None. E. Cohen: None. K.L. Grady: None. J.E. Wilcox: None. K. Shanklin: None. C.W. Yancy: None. D.T. Pham: None. J.H. Barsuk: None.
Rapid Fire Monday, September 17, 2018, 12:15 pm - 1:15 pm				
Control Number	Poster Board #	Title	Author Block	Author Disclosures

1099	017	<p>Association between Sacubitril/Valsartan Initiation and Health Status Outcomes in Heart Failure with Reduced Ejection Fraction: Findings from the CHAMP-HF Registry</p>	<p>Yevgeniy Khariton¹, Adrian Hernandez², Gregg C. Fonarow³, Puza P. Sharma⁴, Carol I. Duffy⁴, Laine Thomas², Xiaojuan Mi², 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</p>	<p>Y. Khariton: None. A. Hernandez: Grant/Research Support; AstraZeneca, Bristol-Myers Squibb, GlaxoSmithKline, Luitpold Pharmaceuticals, Merck, and Novartis. Honoraria; Bayer, Boston Scientific, and Novartis. G.C. Fonarow: Consultant; Amgen, Janssen, Medtronic, Novartis, and St. Jude Medical. P.P. Sharma: Employee; Novartis Pharmaceuticals. C.I. Duffy: Employee; Novartis Pharmaceuticals. L. Thomas: Grant/Research Support; Novartis Pharmaceuticals Corporation. X. Mi: None. X. Mi: None. N.M. Albert: Honoraria; Novartis. Consultant; Novartis and Boston Scientific. J. Butler: Consultant; Amgen, Bayer, Boehringer Ingelheim, Cardiocell, CVRx, Gilead, Janssen, Medtronic, Merck, Novartis, Relypsa, and ZS Pharma. K. McCague: Employee; Novartis Pharmaceuticals. M.E. Nassif: None. F.B. Williams: None. A. DeVore: Grant/Research Support; American Heart Association, Amgen, NIH, and Novartis. Consultant; Novartis. J. Patterson: None. J.A. Spertus: Grant/Research Support; Novartis, Abbott Vascular, Consultant; Novartis, Bayer, V-Wave, AstraZeneca, Janssen, Corvia and Bayer</p>
1274	018	<p>Heart Failure Society of America Research Network Survey</p>	<p>Susan Ammon¹, Biykem Bozkurt², Eugene Chung³, Robert Cole⁴, Patrice Desvigne-Nickens⁵, Mona Fiuzat⁶, Stephen Greene⁷, David Kraus⁸, Bonnie Ky⁹, Colleen McIlvannan¹⁰, 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</p>	<p>S. Ammon: None. B. Bozkurt: None. E. Chung: None. R. Cole: None. P. Desvigne-Nickens: None. M. Fiuzat: None. S. Greene: None. D. Kraus: None. B. Ky: None. C. McIlvannan: None. P. Shah: None. J. Teerlink: None. C. O'Connor: None.</p>
1001	019	<p>Reactive Hyperemia is Decreased in Black Subjects with Heart Failure Despite Equal Prescription of Guideline-Directed Medical Therapy</p>	<p>Alanna A. Morris¹, Yi-An Ko¹, Eisha Udeshi¹, Javed Butler², Arshed Quyyumi¹. ¹Emory University, Atlanta, GA; ²University of Mississippi Medical Center, Jackson, MS</p>	<p>A.A. Morris: None. Y. Ko: None. E. Udeshi: None. J. Butler: None. A. Quyyumi: None</p>
1049	020	<p>Specific Pro-Inflammatory Signaling Pathways are Induced in Patients with Cardiac Sarcoidosis; Potential Prognostic/Therapeutic Applications</p>	<p>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</p>	<p>B. Young: None. K.E. Oatmen: None. L.A. Freeburg: None. K.N. Zellars: None. A.A. Sapp: None. E. Herzog: None. E.J. Miller: None. F.G. Spinale: Consultant; Company Relationship; Boston Scientific, Amgen, Novartis.</p>

1093	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	S. Sicinschi: None. K. Dahal: None. M. Khan: None. P. Dominic: None
1207	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 Rials ¹ , Mehmet Aktas ² , Alessandro Capucci ³ , Roy Gardner ⁴ , Michael Gold ⁵ , Giulio Molon ⁶ , Pramod Thakur ⁷ , Robert Sweeney ⁷ , Yi Zhang ⁷ , Qi An ⁷ , Viktoria Averina ⁷ , John Boehmer ⁸ . ¹ Ohio Health, Gahanna, OH; ² University of Rochester, Rochester, NY; ³ Università Politecnica delle Marche, Ancona, Italy; ⁴ Golden Jubilee National Hospital, Clydebank, United Kingdom; ⁵ Medical University of South Carolina, Charleston, SC; ⁶ Sacro Cuore Hospital, Negrar, Italy; ⁷ Boston Scientific, St. Paul, MN; ⁸ Penn State Hershey Medical Center, Hershey, PA	S. Rials: Speaker's Bureau; St. Jude Medical. M. Aktas: None. A. Capucci: Honoraria; Boston Scientific, Bayer, Boheringer, Abbott, Pfizer, Sorin Italia. R. Gardner: None. M. Gold: Grant/Research Support; Boston Scientific. G. Molon: None. P. Thakur: Employee; Boston Scientific. R. Sweeney: Employee; Boston Scientific. Y. Zhang: Employee; Boston Scientific. Q. An: Employee; Boston Scientific. V. Averina: Employee; Boston Scientific. J. Boehmer: Consultant; Boston Scientific. Speaker's Bureau; Boston Scientific.
1263	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	S. Ranka: None. A. Poudyal: None. U. Joshi: None. V. Kodumuri: None. N. Yadav: None
1308	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	S. Sehatbakhsh: None. A. Kushnir: None. R. Chait: None. W. Ghumman: None

1427	025	Heart Failure in Constrictive Pericarditis Improves Rapidly with Medical Therapy in Patients with Higher Inflammatory Burden	Chandra K. Ala ¹ , Kinjal Banerjee ¹ , Kimi Sato ¹ , Beni R. Verma ¹ , Anil Anumandla ¹ , Vivek Menon ¹ , Keerat R. Ahuja ¹ , Arnav Kumar ² , Allan L. Klein ¹ . ¹ Cleveland Clinic, Cleveland, OH; ² Emory University, Atlanta, GA	C.K. Ala: None. K. Banerjee: None. K. Sato: None. B.R. Verma: None. A. Anumandla: None. V. Menon: None. K.R. Ahuja: None. A. Kumar: None. A.L. Klein: None
1487	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 Adler ¹ , Barry Greenberg ² , Oscar Braun ² , Fima Macheret ³ , Christopher Campagnari ⁴ . ¹ UCSD, La Jolla, CA; ² UCSD Medical Center, La Jolla, CA; ³ University of Pennsylvania-Penn Presbyterian, Philadelphia, PA; ⁴ Westerly Hospital, Hope Valley, RI	E. Adler: None. B. Greenberg: None. O. Braun: None. F. Macheret: None. C. Campagnari: None
1260	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	R. Balko: None. C. Scott: None. S. Sangaralingham: None. R. Rodeheffer: None. H. Chen: None
1294	028	Is Sacubitril/Valsartan Under-Prescribed in The United States? A Real-World Insight from The Exploratory Registry.	Mohamed Khayata, Sadeer Al Al-Kindi, Linda Njoroge, Guilherme H. Oliveira. University Hospitals Cleveland Medical Center, Cleveland, OH	M. Khayata: None. S. Al-Kindi: None. L. Njoroge: None. G.H. Oliveira: None