



VIRTUAL .....  
**HFSA 2020**  
**ANNUAL SCIENTIFIC MEETING**  
WHERE **HEART FAILURE TEAMS** GATHER

# Poster Hall Directory





## HFSA 2020 – Poster Hall Directory

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#006 - #011	Nurse Investigator Award: Research/Clinical
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#067 - #081	Cardiovascular Physiology
#083 - #094	Cardiovascular Structure/Imaging
#096 - #177	Clinical Care
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#208 - #222	Electrophysiology/Arrhythmias
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Poster #	Abstract Title	Abstract Author Block
<b>JNC New Investigator Award: Basic, Translational and Clinical</b>		
001	Validation Of Natriuretic Response Prediction Equation In Patients With Acute Decompensated Heart Failure	Olyvia Gleason <sup>1</sup> , Grace Meegan <sup>1</sup> , James Fleming <sup>1</sup> , Matthew Griffin <sup>1</sup> , Juan Iv00ey-Miranda <sup>2</sup> , Zachary Cox <sup>3</sup> , Veena Rao <sup>1</sup> , Jeffrey Testani <sup>1</sup> . <sup>1</sup> Yale University School of Medicine, New Haven, CT; <sup>2</sup> Instituto Mexicano del Seguro Social, Mexico City, Mexico; <sup>3</sup> Lipscomb University College of Pharmacy, Nashville, TN
002	Circulating Protein Biomarkers Associated With Heart Failure With Preserved Ejection Fraction	Jessica A. Regan, Lydia C. Kwee, Elizabeth Grass, William E. Kraus, Svati H. Shah. Duke University, Durham, NC
003	The Effect Of The Cardiac Myosin Activator, Omecamtiv Mecarbil, On Right Ventricular Structure And Function In Chronic Systolic Heart Failure (cosmic-hf)	Tor Biering-Sørensen <sup>1</sup> , Alexander Papolos <sup>2</sup> , John R. Teerlink <sup>3</sup> , G. Michael Felker <sup>4</sup> , John J.V. McMurray <sup>5</sup> , Jason C. Legg <sup>6</sup> , Fady I. Malik <sup>7</sup> , Narimon Honarpour <sup>8</sup> , Christopher E. Kurtz <sup>8</sup> , Scott D. Solomon <sup>9</sup> . <sup>1</sup> Herlev and Gentofte Hospital, Copenhagen, Denmark; <sup>2</sup> MedStar Washington Hospital Center, Washington, DC; <sup>3</sup> San Francisco Veterans Affairs Medical Center, San Francisco, CA; <sup>4</sup> Duke University School of Medicine, Durham, NC; <sup>5</sup> British Heart Foundation Cardiovascular Research Centre, Glasgow, United Kingdom; <sup>6</sup> Amgen, Thousand Oaks, CA; <sup>7</sup> Cytokinetics, Inc., South San Francisco, CA; <sup>8</sup> Amgen, Inc., Thousand Oaks, CA; <sup>9</sup> Brigham and Women's Hospital, Boston, MA
004	Race And Sex-specific Population Attributable Fractions For Incident Heart Failure: Lifetime Risk Pooling Project	Arjun Sinha, Hongyan Ning, Mercedes R. Carnethon, Norrina B. Allen, John T. Wilkins, Donald M. Lloyd-Jones, Sadiya S. Khan. Northwestern Feinberg School of Medicine, Chicago, IL
005	A Novel Metabolomics Risk Score Associated With Sex-differences In Heart Failure	Aditi Nayak <sup>1</sup> , Chang Liu <sup>1</sup> , Anurag Mehta <sup>1</sup> , Shabatun J. Islam <sup>1</sup> , Melroy D'Souza <sup>1</sup> , Yi-An Ko <sup>1</sup> , Karan Uppal <sup>1</sup> , Dean P. Jones <sup>1</sup> , Javed Butler <sup>2</sup> , Arshed A. Quyyumi <sup>1</sup> , Alanna A. Morris <sup>1</sup> . <sup>1</sup> Emory University, Atlanta, GA; <sup>2</sup> University of Mississippi, Jackson, MS
<b>Nurse Investigator Award: Research/Clinical</b>		
006	Virtual Outpatient Heart Failure Care - Lessons From The Covid-19 Era	Sharon Ugolini <sup>1</sup> , Favel L. Mondesir <sup>2</sup> , Chase Maires <sup>3</sup> , Erin Davis <sup>3</sup> , Holly Andrews <sup>2</sup> , Chantel White <sup>2</sup> , Jess Anderson <sup>2</sup> , Jacob Fetzer <sup>2</sup> , Jill Waldron <sup>2</sup> , Kevin Shah <sup>2</sup> , Omar Wever-Pinzon <sup>2</sup> , Jose Nativi-Nicolau <sup>2</sup> , Line Kemeyou <sup>2</sup> , Edward M. Gilbert <sup>2</sup> , Stavros Drakos <sup>2</sup> , James C. Fang <sup>2</sup> , Josef Stehlik <sup>2</sup> . <sup>1</sup> University of Utah Health, Salt Lake City, UT; <sup>2</sup> University of Utah School of Medicine, Salt Lake City, UT; <sup>3</sup> University of Utah Health, Salt Lake City, UT
007	Enhancing Shared Decision Making In A Chronic Population. Use Of An Advance Directive Decision Aid For Patients With Heart Failure And Their Caregivers.	Emily Benton <sup>1</sup> , Maureen Metzger <sup>2</sup> , Patricia Hollen <sup>2</sup> , Larry Allen <sup>1</sup> , Colleen McIlvannan <sup>1</sup> . <sup>1</sup> University of Colorado, Denver, CO; <sup>2</sup> University of Virginia, Charlottesville, VA

Poster #	Abstract Title	Abstract Author Block
008	Predictive Model For Risk Of 30-day Rehospitalization Using A Natural Language Processing/machine Learning Approach Among Medicare Patients With Heart Failure	Youjeong Kang, John Hurdle. University of Utah, Salt Lake City, UT
009	Blacks With Hypertrophic Cardiomyopathy Have Lower Quality Of Life And Exercise Capacity Than Whites	Milla E. Arabadjian <sup>1</sup> , Gary Yu <sup>1</sup> , Allison Vorderstrasse <sup>1</sup> , Mark Sherrid <sup>2</sup> , Victoria Vaughan Dickson <sup>1</sup> . <sup>1</sup> NYU Rory Meyers College of Nursing, New York, NY; <sup>2</sup> NYU Grossman School of Medicine, New York, NY
010	Reducing Heart Failure Readmissions Through A Shared Medical Appointment	Lisa Filyo, Kimberly Hansen, Emiliya Khazan, Laurie Wolf, Mark Milunski, Stephanie Ingram. VA, Orlando, FL
011	Our Experience With Using Watchpat® (itamar Medical, Ltd.), Home Sleep Testing (hst) For The Diagnosis Of Sleep Apnea In Advanced Heart Failure Patients	Sandra A. Carey <sup>1</sup> , Aasim Afzal <sup>1</sup> , Aayla Jamil <sup>1</sup> , Whitney Whiteley <sup>1</sup> , David Ostransky <sup>2</sup> . <sup>1</sup> Baylor Scott and White HCS, Dallas, TX; <sup>2</sup> North Texas Lung and Sleep Clinic, Southlake, TX
<b>Moderated Posters</b>		
012	Renal Negative Pressure Treatment As A Novel Therapy For Cardio-renal Syndrome	Christopher Maulion, Jennifer Asher, Joshua Moskow, Juan Ivey-Miranda, James Fleming, Olyvia Gleason, Grace Meegan, Veena Rao, Jeffrey Testani. Yale School of Medicine, New Haven, CT
013	Six-month And One-year Outcomes For Repair In Patients With Functional Mitral Regurgitation From The CLASP Study	Marc Goldschmidt <sup>1</sup> , Sula Mazimba <sup>2</sup> , Paul Grayburn <sup>3</sup> , Antoine Hage <sup>4</sup> , Panagiota Kourkovi <sup>5</sup> , Jennifer Cowger <sup>6</sup> , Lisa Simmons <sup>7</sup> , Gordon Moe <sup>8</sup> , Joseph Mishkin <sup>9</sup> , David Platts <sup>10</sup> , Robert Gordon <sup>11</sup> , Silvia Ajello <sup>12</sup> , Leo Marcoff <sup>1</sup> , Mustafa Toma <sup>13</sup> . <sup>1</sup> Morristown Medical Center, Morristown, NJ; <sup>2</sup> University of Virginia Health System Hospital, Charlottesville, VA; <sup>3</sup> Baylor Scott and White The Heart Hospital Plano, Plano, TX; <sup>4</sup> Cedars-Sinai Medical Center, Beverly Hills, CA; <sup>5</sup> Hygeia Hospital, Athens, Greece; <sup>6</sup> Henry Ford Hospital, Detroit, MI; <sup>7</sup> Royal Prince Alfred Hospital, Camperdown, NSW, Australia; <sup>8</sup> St. Michael's Hospital, Toronto, ON, Canada; <sup>9</sup> Sanger Heart & Vascular Institute (Carolinas HealthCare System), Charlotte, NC; <sup>10</sup> Prince Charles Hospital, Chermside, QLD, Australia; <sup>11</sup> NorthShore Univ Health System, Evanston, IL; <sup>12</sup> San Raffaele Institute, Milan, Italy; <sup>13</sup> St. Paul's Hospital, Vancouver, BC, Canada
014	Safety And Efficacy Of The Soluble Guanylate Cyclase Stimulator Praliguat In Patients With Heart Failure With Preserved Ejection Fraction (Capacity HFpEF): A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial	James E. Udelson <sup>1</sup> , Gregory D. Lewis <sup>2</sup> , Sanjiv J. Shah <sup>3</sup> , Michael R. Zile <sup>4</sup> , Margaret M. Redfield <sup>5</sup> , John Burnett <sup>5</sup> , John D. Parker <sup>6</sup> , Jelena Seferovic <sup>7</sup> , Phebe J. Wilson <sup>7</sup> , Robert S. Mittleman <sup>8</sup> , Albert T. Profy <sup>7</sup> , Marvin A. Konstam <sup>1</sup> . <sup>1</sup> Tufts Medical Center, Boston, MA; <sup>2</sup> Massachusetts General Hospital/Harvard Medical School, Boston, MA; <sup>3</sup> Northwestern University Feinberg School of Medicine, Chicago, IL; <sup>4</sup> Medical University of South Carolina and the RHJ Department of VA Medical Center, Charleston, SC; <sup>5</sup> Mayo Clinic, Rochester, MN; <sup>6</sup> University Health Network, Mount Sinai Hospital, Toronto, ON, Canada; <sup>7</sup> Cyclerion Therapeutics, Boston, MA; <sup>8</sup> Ironwood Pharmaceuticals, Cambridge, MA

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016	Perceived Stress Is Associated With Incident Heart Failure With Preserved Ejection Fraction	Lauren Balkan <sup>1</sup> , Joanna B. Ringel <sup>1</sup> , Emily B. Levitan <sup>2</sup> , Yulia A. Khodneva <sup>2</sup> , Laura Pinheiro <sup>1</sup> , Madeline R. Sterling <sup>1</sup> , Samuel Kim <sup>1</sup> , Elizabeth A. Jackson <sup>2</sup> , Raegan Durant W. Durant <sup>2</sup> , Monika M. Safford <sup>1</sup> , Parag Goyal <sup>1</sup> . <sup>1</sup> Weill Cornell Medical Center, New York, NY; <sup>2</sup> University of Alabama at Birmingham, Birmingham, AL
017	Distinct Myocardial Gene Expression Signatures In Heart Failure With Preserved Ejection Fraction	Virginia S. Hahn <sup>1</sup> , Hildur Knutsdottir <sup>1</sup> , Aditi Madan <sup>1</sup> , Xin Luo <sup>2</sup> , Kenneth Bedi <sup>3</sup> , Kenneth B. Margulies <sup>3</sup> , Saptarsi M. Haldar <sup>2</sup> , Marina Stolina <sup>4</sup> , Jun Yin <sup>2</sup> , Aarif Y. Khahoo <sup>2</sup> , Joban Vaishnav <sup>1</sup> , Anthony Cammarato <sup>1</sup> , Joel S. Bader <sup>1</sup> , David A. Kass <sup>1</sup> , Kavita Sharma <sup>1</sup> . <sup>1</sup> Johns Hopkins University, Baltimore, MD; <sup>2</sup> Amgen Research, South San Francisco, CA; <sup>3</sup> University of Pennsylvania, Philadelphia, PA; <sup>4</sup> Amgen Research, Thousand Oaks, CA
018	Sex-based Differences In Biomarkers, Quality Of Life, And Reverse Cardiac Remodeling In Patients With Heart Failure With Reduced Ejection Fraction Treated With Sacubitril/valsartan	Nasrien E. Ibrahim <sup>1</sup> , Ileana Pena <sup>2</sup> , Alexander Camacho <sup>1</sup> , Devavrat Bapat <sup>1</sup> , G. Michael Felker <sup>3</sup> , Alan S. Maisel <sup>4</sup> , Javed Butler <sup>5</sup> , Margaret F. Prescott <sup>6</sup> , Cheryl Abbass <sup>7</sup> , Scott D. Solomon <sup>8</sup> , James L. Januzzi, Jr <sup>1</sup> . <sup>1</sup> Massachusetts General Hospital, Boston, MA; <sup>2</sup> Wayne State University, Detroit, MI; <sup>3</sup> Duke University, Durham, NC; <sup>4</sup> University of California San Diego, San Diego, CA; <sup>5</sup> University of Mississippi, Jackson, MS; <sup>6</sup> Novartis, New Brunswick, NJ; <sup>7</sup> Novartis, East Hanover, NJ; <sup>8</sup> Brigham and Women's Hospital, Boston, MA
019	The Effects Of Cardiac Resynchronization Therapy On Cardiovascular And Non-cardiovascular Hospitalization: A Long-term Follow-up MADIT-CRT Sub-study	Sabu Thomas, Scott McNitt, Slava Polonsky, Jeffrey Alexis, John Bisognano, Himabindu Vidula, Igor Gosev, Ilan Goldenberg, Valentina Kutyla. University of Rochester, Rochester, NY
020	Primary Caregiver Relationships For Advanced Heart Failure Therapy Differ Based On Sex And Race And Predict Eligibility	Rebecca S. Steinberg, Aditi Nayak, Tiffany Dong, Alanna A. Morris. Emory University School of Medicine, Atlanta, GA
021	Exercise Oscillatory Ventilation Is Independently Associated With Right Ventricular Systolic Dysfunction In Patients With Chronic Heart Failure	Thida Tabucanon, Timothy Engelman, J. Emanuel Finet, W. H. Wilson Tang. Cleveland Clinic, Cleveland, OH
022	Efficacy Of Tafamidis By Baseline 6-minute Walk Test Distance In The Tafamidis In Transthyretin Cardiomyopathy Clinical Trial (ATTR-ACT)	Mathew S. Maurer <sup>1</sup> , Eric Adler <sup>2</sup> , Balarama Gundapaneni <sup>3</sup> , Marla B. Sultan <sup>4</sup> , Claudio Rapezzi <sup>5</sup> . <sup>1</sup> Columbia University College of Physicians and Surgeons, New York, NY; <sup>2</sup> University of California, San Diego, CA; <sup>3</sup> Pfizer, Groton, CT; <sup>4</sup> Pfizer, New York, NY; <sup>5</sup> University of Ferrara and Maria Cecilia Hospital, Cotignola, Italy
023	Trends In Heart Failure-related Cardiovascular Mortality In Rural Versus Urban Counties In The United States, 2011-2018	Jacob B. Pierce, Nilay S. Shah, Lucia C. Petito, Lindsay Pool, Donald M. Lloyd-Jones, Joe Feinglass, Sadiya S. Khan. Northwestern University Feinberg School of Medicine, Chicago, IL
024	Phenomapping A Novel Classification System For Patients With Destination LVADs: An Unsupervised Machine Learning Cluster Analysis	Nicholas S. Hendren <sup>1</sup> , Matt Segar <sup>1</sup> , Lin Zhong <sup>1</sup> , Mark H. Drazner <sup>1</sup> , James B. Young <sup>2</sup> , W. H. Wilson Tang <sup>2</sup> , Ambarish Pandey <sup>1</sup> , Justin L. Grodin <sup>1</sup> . <sup>1</sup> University of Texas-Southwestern Medical Center, Dallas, TX; <sup>2</sup> Cleveland Clinic, Cleveland, OH

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025	Positive Tc-99m Pyrophosphate Scintigraphy Predicts Thromboembolic Risk In Patients With Congestive Heart Failure And Atrial Fibrillation.	Syed Bukhari, Amr Barakat, Sandeep Jain, Amy Brownell, Yvonne S. Eisele, William Follansbee, Samir Saba, Prem Soman. University of Pittsburgh Medical Center, Pittsburgh, PA
026	Cystatin C For Estimation Of Renal Function And Valganciclovir Dosing In Heart Transplant Patients	Alberto Pinsino <sup>1,2</sup> , Douglas Jennings <sup>1</sup> , Austin Sweat <sup>1</sup> , Giulio Mondellini <sup>1</sup> , Lorenzo Braghieri <sup>1</sup> , Paolo C. Colombo <sup>1</sup> , Melana Yuzefpolskaya <sup>1</sup> . <sup>1</sup> Columbia University, New York, NY; <sup>2</sup> NYC Health + Hospitals/ Jacobi, Albert Einstein College of Medicine, Bronx, NY
027	Cardiac And Hemodynamic Effects Of Acute Phosphodiesterase-1 Inhibition In Human Heart Failure	Nisha A. Gilotra <sup>1</sup> , Adam Devore <sup>2</sup> , Allison Hays <sup>1</sup> , Virginia Hahn <sup>1</sup> , Tolu A. Agunbiade <sup>1</sup> , Richard Chen <sup>3</sup> , Robert Davis <sup>4</sup> , Andrew Satlin <sup>4</sup> , Thomas Povsic <sup>5</sup> , David Kass <sup>1</sup> . <sup>1</sup> Johns Hopkins, Baltimore, MD; <sup>2</sup> Duke University School of Medicine, Durham, NC; <sup>3</sup> Intra-Cellular Therapies, Inc, Baltimore, MD; <sup>4</sup> Intra-Cellular Therapies, Inc, New York, NY; <sup>5</sup> Duke University, Durham, NC
028	A Prospective Evaluation Of Clinical Characteristics Of Methamphetamine-associated Cardiomyopathy (MACM) In Comparison To A Matched-cohort With Non-methamphetamine Non-ischemic Cardiomyopathy	Edward Chau <sup>1</sup> , Pavan KV Reddy <sup>2</sup> , Sagar V. Patel <sup>1</sup> , Katharine Yang <sup>1</sup> , Robert M. Tungate <sup>1</sup> , Tien MH Ng <sup>3</sup> , Uri Elkayam <sup>1</sup> . <sup>1</sup> Keck School of Medicine of the University of Southern California, Los Angeles, CA; <sup>2</sup> Icahn School of Medicine of Mount Sinai Morningside, New York, CA; <sup>3</sup> School of Pharmacy of the University of Southern California, Los Angeles, CA
029	Left Ventricular Ejection Fraction Recovery, Remission, And Relapse In Patients With Heart Failure With Reduced Ejection Fraction: A Single-Center Longitudinal Experience	Pavan Bhat, Lin Li, Xinge Ji, W. H. Wilson Tang. Cleveland Clinic, Cleveland, OH
030	Racial And Ethnic Differences In Biomarkers, Health Status, And Cardiac Remodeling In Patients With Heart Failure With Reduced Ejection Fraction Treated With Sacubitril/valsartan	Nasrien E. Ibrahim <sup>1</sup> , Ileana Pena <sup>2</sup> , Alexander Camacho <sup>1</sup> , Devavrat Bapat <sup>1</sup> , G. Michael Felker <sup>3</sup> , Alan Maisel <sup>4</sup> , Javed Butler <sup>5</sup> , Margaret Prescott <sup>6</sup> , Cheryl Abbas <sup>6</sup> , Scott Solomon <sup>7</sup> , James Januzzi, Jr <sup>1</sup> . <sup>1</sup> Massachusetts General Hospital, Boston, MA; <sup>2</sup> Wayne State University, Detroit, MI; <sup>3</sup> Duke University, Durham, NC; <sup>4</sup> University of California San Diego, San Diego, CA; <sup>5</sup> University of Mississippi, Jackson, MS; <sup>6</sup> Novartis, East Hanover, NJ; <sup>7</sup> Brigham and Women's Hospital, Boston, MA
031	Heart Failure And All-cause Hospitalizations Can Be Reduced During Ambulatory Monitoring Even In Patients Who Cannot Be Matched To Trial-type Patients	J. Thomas Heywood <sup>1</sup> , Maria Rosa Costanzo <sup>2</sup> , Akshay S. Desai <sup>3</sup> , John Henderson <sup>4</sup> , Marie-Elena Brett <sup>4</sup> , Lynne W. Stevenson <sup>5</sup> . <sup>1</sup> Scripps Clinic, La Jolla, CA; <sup>2</sup> Advocate Heart Institute, Naperville, IL; <sup>3</sup> Brigham and Women's Hospital, Boston, MA; <sup>4</sup> Abbott, Atlanta, GA; <sup>5</sup> Vanderbilt University Medical Center, Nashville, TN
<b>Biomarkers/Neurohormones/Cytokines</b>		
032	Atrial Natriuretic Peptide Mediates Reverse Cardiac Remodeling During Treatment With Sacubitril/Valsartan In Patients With Heart Failure With Reduced Ejection Fraction	Sean P. Murphy <sup>1</sup> , Margaret F. Prescott <sup>2</sup> , Alexander Camacho <sup>1</sup> , Seethalakshmi R. Iyer <sup>3</sup> , Alan S. Maisel <sup>4</sup> , G. Michael Felker <sup>5</sup> , Javed Butler <sup>6</sup> , Ileana L. Piña <sup>7</sup> , Nasrien E. Ibrahim <sup>1</sup> , Cheryl Abbas <sup>2</sup> , John Burnett <sup>3</sup> , Scott D. Solomon <sup>8</sup> , James L. Januzzi <sup>1</sup> . <sup>1</sup> Massachusetts General Hospital, Boston, MA; <sup>2</sup> Novartis Pharmaceuticals, East Hanover, NJ; <sup>3</sup> Mayo Clinic, Rochester,

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		MN; <sup>4</sup> University of California, San Diego School of Medicine, San Diego, CA; <sup>5</sup> Duke University Medical Center, Durham, NC; <sup>6</sup> University of Mississippi Medical Center, Jackson, MS; <sup>7</sup> Detroit Medical Center, Detroit, MI; <sup>8</sup> Brigham and Women's Hospital, Boston, MA
033	Comparison Of Nt-proBNP Concentrations When In Or Out Of Heartlogic Alerts	John P. Boehmer <sup>1</sup> , Giulio Molon <sup>2</sup> , Gezheng Wen <sup>3</sup> , Pramodsingh Thakur <sup>3</sup> , Roy S. Gardner <sup>4</sup> . <sup>1</sup> Penn State Hershey Medical Center, Hershey, PA; <sup>2</sup> IRCCS Sacro Cuore - Don Calabria, Negrar, Italy; <sup>3</sup> Boston Scientific Corporation, St Paul, MN; <sup>4</sup> Golden Jubilee National Hospital, Clydebank, United Kingdom
034	Elevated Serum Endothelial Glycocalyx Is Associated With Decreased Survival In Patients With Heart Failure With Reduced Ejection Fraction	Thanat Chaikijurajai <sup>1</sup> , Yong-Hyun Kim <sup>2</sup> , Takeshi Kitai <sup>3</sup> , Rommel Morales <sup>1</sup> , Kathryn Morales <sup>4</sup> , W. H. Wilson Tang <sup>1</sup> . <sup>1</sup> Cleveland Clinic, Cleveland, OH; <sup>2</sup> Korea University Ansan Hospital, Ansan-si, Korea, Republic of; <sup>3</sup> Kobe City Medical Center General Hospital, Kobe, Japan; <sup>4</sup> Quest Diagnostics/Cleveland HeartLab, Cleveland, OH
035	Using Novel Biomarkers To Predict Chemo-induced Cardiovascular Toxicity In Patients With Breast Cancer	Krithika Krishnarao <sup>1</sup> , Winston Tan <sup>1</sup> , Xochiquetzal Geiger <sup>1</sup> , Katelyn Bruno <sup>1</sup> , DeLisa Fairweather <sup>1</sup> , Erika Douglass <sup>2</sup> , Mohamad Yamani <sup>1</sup> . <sup>1</sup> Mayo Clinic, Jacksonville, FL; <sup>2</sup> Mayo Clinic, Research Services, FL
036	Prognostic Implications Of Urinary And Plasma C-type Natriuretic Peptide In Human Acute Decompensated Heart Failure	Xiao Ma <sup>1</sup> , Yang Chen <sup>1</sup> , Shawn H. Reginald <sup>1</sup> , Christopher G. Scott <sup>1</sup> , Seethalakshmi R. Iyer <sup>1</sup> , Jacob J. Schaefer <sup>1</sup> , Tomoko Ichiki <sup>2</sup> , Horng H. Chen <sup>1</sup> , Andrew D. Rule <sup>1</sup> , John C. Burnett <sup>1</sup> , S. Jeson Sangaralingham <sup>1</sup> . <sup>1</sup> Mayo Clinic, Rochester, MN; <sup>2</sup> International University of Health and Welfare, Narita, Japan
037	Lymphocytopenia During Hospitalization For Acute Heart Failure And Its Relationship With Portal Congestion And Right Ventricular Function	Nadia Bouabdallaoui, Martin G. Sirois, William Beaubien-Souigny, André Y. Denault, Jean L. Rouleau. Montreal Heart Institute, Montreal, QC, Canada
038	Inflammatory Markers And Risk Of Heart Failure With Reduced, Mid-range And Preserved Ejection Fraction	zainab H. Albar <sup>1</sup> , David A. Zidar <sup>2</sup> , Sadeer G. Al-Kindi <sup>2</sup> . <sup>1</sup> Case Western Reserve University, Cleveland, OH; <sup>2</sup> Harrington Heart and Vascular Institute, University Hospitals, Cleveland, OH
039	Growth Differentiation Factor 15 As A Composite Diabetic Cardiovascular Disease Indicator Including Heart Failure: A Systematic Review And Meta-Analysis	Suyi Xie <sup>1,2</sup> , Qi Li <sup>1,2</sup> , Erik Fung <sup>1,2</sup> . <sup>1</sup> Department of Medicine and Therapeutics, Faculty of Medicine, The Chinese University of Hong Kong, Shatin, NT, Hong Kong SAR, China; <sup>2</sup> Laboratory for Heart Failure + Circulation Research, Shatin, New Territories, Hong Kong SAR, China
040	Differential Expression, Interactive Relationship And Functional Pathway Of Micro Ribonucleic Acids And Proteins In Plasma Exosomes Of Patients With Atrial Fibrillation.	Shihui Fu <sup>1,2</sup> , Yulong Li <sup>1</sup> , Xiaoqian Zhao <sup>3</sup> , Leiming Luo <sup>1</sup> . <sup>1</sup> Department of Geriatric Cardiology, Chinese People's Liberation Army General Hospital, Beijing, China; <sup>2</sup> Department of Cardiology, Hainan Hospital of Chinese People's Liberation Army General Hospital, Sanya, China; <sup>3</sup> Department of Cardiology, Chinese PLA 305 Hospital, Beijing, China
041	Endothelin-1 May Be A Potential Biomarker For Monitoring Changes In Nitric Oxide Metabolism In Pulmonary Hypertension	Adil Yunis, Mehdi Nouraie, Noel Britton, Yingze Zhang, Nicole Helbling, Hannah Warr, Shruti Shiva, Alison Morris, Marc A. Simon. University of Pittsburgh Medical Center, Pittsburgh, PA
042	Natriuretic Peptides And MicroRNAs 155 And 425 In Human Heart Failure: Biomarker Roles And Pathophysiological Regulation	Yang Chen, Xiao Ma, Seethalakshmi Iyer, Shawn Reginald, John Burnett. Mayo Clinic, Rochester, MN

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043	The Effects Of Exercise On Telomere Length In Persons With Heart Failure	Catrina Smith, Brittany Butts. Emory University Nell Hodgson Woodruff School of Nursing, Atlanta, GA
044	Association Of B-type Natriuretic Peptide With Pulmonary Artery Pressures In Ambulatory Heart Failure Patients	Catherine Song <sup>1</sup> , Jeffrey Tran <sup>1</sup> , Aaron Wolfson <sup>2</sup> , David Shavelle <sup>1</sup> . <sup>1</sup> USC, Los Angeles, CA; <sup>2</sup> University of Arizona, Phoenix, AZ
045	Relationship Of Baseline NT-proBNP To Responsiveness To Vagus Nerve Stimulation In Patients With Heart Failure And Reduced Ejection Fraction	Inder Anand <sup>1</sup> , Jeffrey Ardell <sup>2</sup> , Douglas Gregory <sup>3</sup> , Imad Libbus <sup>4</sup> , Lorenzo DiCarlo <sup>4</sup> , Rajendra Premchand <sup>5</sup> , Kamal Sharma <sup>6</sup> , Rufino Monteiro <sup>7</sup> . <sup>1</sup> University of Minnesota (Emeritus), Minneapolis, TX; <sup>2</sup> University of California - Los Angeles, Los Angeles, CA; <sup>3</sup> Clinical Cardiovascular Science Foundation, Boston, MA; <sup>4</sup> LivaNova, Houston, TX; <sup>5</sup> Krishna Institute of Medical Sciences, Secunderabad, India; <sup>6</sup> Sanjivani Super Specialty Hospitals, Ahmedabad, India; <sup>7</sup> Vintage Hospital, Goa, India
046	Anp Production Is Impaired In Acute Decompensated Heart Failure	Shawn Henry Reginauld, S. Jeson Sangaralingham, Seethalakshmi R. Iyer, John C. Burnett Jr. Mayo Clinic, Rochester, MN
047	C3a, C4a, And C5a Complement Anaphylatoxins Are Paradoxically Decreased In Acute And Chronic Heart Failure	Rommel Morales <sup>1</sup> , Lingjun Zhang <sup>1</sup> , Yuping Wu <sup>2</sup> , Jennifer Wilcox <sup>1</sup> , Timothy Engelman <sup>1</sup> , Ying Ni <sup>1</sup> , Feng Lin <sup>1</sup> , W. H. Wilson Tang <sup>1</sup> . <sup>1</sup> Cleveland Clinic, Cleveland, OH; <sup>2</sup> Cleveland State University, Cleveland, OH
048	Circulating Osteocrin Levels Do Not Track With Myocardial Function In Chronic Systolic Heart Failure	Rommel Morales, Allen G. Borowski, W. H. Wilson Tang. Cleveland Clinic, Cleveland, OH
049	Prognostic Value Of Soluble ST2 Measurements For Morbidity And Mortality In Ambulatory Patients With HFrEF	Alexander O. Gong <sup>1</sup> , Sagar V. Patel <sup>2</sup> , Nina Balac <sup>2</sup> , Andrew E. Lee <sup>1</sup> , Jennifer M. McLeod <sup>3</sup> , Luanda P. Grazette <sup>1</sup> . <sup>1</sup> Keck Hospital of the University of Southern California, Los Angeles, CA; <sup>2</sup> Keck School of Medicine of the University of Southern California, Los Angeles, CA; <sup>3</sup> Montefiore Medical Center, New York, NY
050	Changes In The Left Ventricular Ejection Fraction And Natriuretic Peptides In Heart Failure Patients With Moderately Reduced And Preserved Ejection Fraction Treated Following Transvenous Stimulation Of The Phrenic Nerve For Central Sleep Apnea	Shannon Meyers <sup>1</sup> , Saleh El Dassouki <sup>1</sup> , Scott W. McKane <sup>2</sup> , Timothy E. Meyer <sup>2</sup> , James C. Fang <sup>1</sup> , Krishna M. Sundar <sup>1</sup> , Kevin S. Shah <sup>1</sup> . <sup>1</sup> University of Utah, Salt Lake City, UT; <sup>2</sup> Respicardia Inc, St Paul, MN
051	Sera SST2 Levels Differ By Sex And Age For Myocardial Infarct And Cardiomyopathy	Danielle Beetler <sup>1</sup> , Katelyn A. Bruno <sup>1</sup> , Swikriti Shrestha <sup>2</sup> , Erika Douglass <sup>1</sup> , DeLisa Fairweather <sup>1</sup> . <sup>1</sup> Mayo Clinic, Jacksonville, FL; <sup>2</sup> Mayo Clinic, Rochester, MN
052	Torsemide Is Associated With Higher Levels Of Urinary Biomarkers Of Tubular Injury Compared To Furosemide	Naila Ijaz <sup>1</sup> , Lauren Cooper <sup>2</sup> , Scott Bruce <sup>3</sup> , Mitchell Psocka <sup>2</sup> , Robert Mentz <sup>4</sup> , Rachel Bell <sup>2</sup> , Stephen Seliger <sup>5</sup> , Christopher O'Connor <sup>2</sup> , Christopher deFilippi <sup>2</sup> . <sup>1</sup> Inova, Falls Church, VA; <sup>2</sup> Inova Heart & Vascular Institute, Falls Church, VA; <sup>3</sup> George Mason University, Fairfax, VA; <sup>4</sup> Duke, Durham, NC; <sup>5</sup> University of Maryland, Baltimore, MD
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053	Safety And Efficacy Of An Automated Nurse-Driven Diuretic Titration Protocol: The Yale Diuretic Pathway	Grace Meegan <sup>1</sup> , Prasama Sangkachand <sup>2</sup> , Margaret O'Brien <sup>2</sup> , Ralph Riello <sup>2</sup> , Richard Soucier <sup>1</sup> , Daniel Jacoby <sup>1</sup> , Olyvia Gleason <sup>1</sup> , James Fleming <sup>1</sup> , Matthew Griffin <sup>1</sup> , Juan Ivey-Miranda <sup>3</sup> , Zachary Cox <sup>4</sup> , Veena Rao <sup>1</sup> , Jeffrey



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054	Safety And Effectiveness Of PCSK9 Inhibitors In Orthotopic Heart Transplant Patients	Yasser Sammour, Bethany A. Austin, Michael Borkon, Mark P. Everley, Timothy J. Fendler, Taiyeb M. Khumri, Stephanie L. Lawhorn, Anthony Magalski, Michael E. Nassif, Deepthi Vodnala, Andrew C. Kao, Brett W. Sperry. Saint Luke's Mid America Heart Institute, Kansas City, MO
056	Increased Risk Of Supratherapeutic Vancomycin Exposure Among Lvad Recipients	Sylvie Hall <sup>1</sup> , Vasilios Athans <sup>2</sup> , Matt Wanek <sup>3</sup> , Jerry D. Estep <sup>4</sup> , J. Bradley Williams <sup>4</sup> . <sup>1</sup> Bellevue Hospital, New York Health and Hospitals, New York, NY; <sup>2</sup> Hospital of the University of Pennsylvania, Philadelphia, PA; <sup>3</sup> HonorHealth Scottsdale Shea Medical Center, Scottsdale, AZ; <sup>4</sup> Cleveland Clinic, Cleveland, OH
057	Predictors Of Successful Response To Afterload Reduction In Low-output Heart Failure With Reduced Ejection Fraction	Keith Behrend <sup>1</sup> , Matthew Lillyblad <sup>1</sup> , Christian Schmidt <sup>2</sup> , Mosi Bennett <sup>2</sup> . <sup>1</sup> Abbott Northwestern Hospital, Minneapolis, MN; <sup>2</sup> Minneapolis Heart Institute Foundation, Minneapolis, MN
058	Heart Rate Reduction Following Beta-blocker Up-titration Is Associated With Patients With Heart Failure With Reduced Ejection Fraction	Thanat Chaikijurajai <sup>1</sup> , Kenneth V. Varian <sup>2</sup> , Xinge Ji <sup>1</sup> , W. H. Wilson Tang <sup>1</sup> . <sup>1</sup> Cleveland Clinic, Cleveland, OH; <sup>2</sup> Summa Health, Akron, OH
059	The Benefit Of Mean Arterial Pressure Control Using Heart Failure Medical Therapies In Patients Supported By HeartMate 3 LVADs	Kathleen M. D. Faulkenberg <sup>1</sup> , Sylvie Hall <sup>2</sup> , Varinder K. Randhawa <sup>1</sup> , Lucianne M. West <sup>1</sup> , J. Bradley Williams <sup>1</sup> , Edward Soltesz <sup>1</sup> , W.H. Wilson Tang <sup>1</sup> , Jerry D. Estep <sup>1</sup> . <sup>1</sup> Cleveland Clinic, Cleveland, OH; <sup>2</sup> Bellevue Hospital Center, New York, NY
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061	Effects Of Bromocriptine In Peripartum Cardiomyopathy: A Systematic Review And Meta-analysis	Veraprapas Kittipibul <sup>1</sup> , Sunita Mahabir <sup>1</sup> , Garly R. Saint Croix <sup>2</sup> , Michael Ibrahim <sup>3</sup> , Gabriel A. Hernandez <sup>4</sup> , Sandra Chaparro <sup>5</sup> . <sup>1</sup> University of Miami Miller School of Medicine, Miami, FL; <sup>2</sup> Division of Cardiology, Columbia University at Mount Sinai Medical Center of Florida, Miami beach, FL; <sup>3</sup> Division of Cardiovascular Medicine, Boston Medical Center/Boston University, Boston, MA; <sup>4</sup> Division of Cardiovascular Diseases, University of Mississippi Medical Center, Jackson, MS; <sup>5</sup> Advanced Heart Failure Program, Baptist Health South Florida, Miami, FL
062	Safety And Efficacy Of Soluble Guanylate Cyclase Stimulators In Patients With Heart Failure: A Systematic Review And Meta-analysis	Waqas Ullah <sup>1</sup> , Maryam Mukhtar <sup>2</sup> , Aws Al-Mukhtar <sup>3</sup> , Sohaib Roomi <sup>1</sup> , Rehan Saeed <sup>1</sup> , Margot Boigon <sup>1</sup> , Donald Haas <sup>1</sup> , Eduardo Rame <sup>4</sup> . <sup>1</sup> Abington Jefferson Health, Abington, PA; <sup>2</sup> Rawalpindi Institute of Cardiology, Rawalpindi, Pakistan; <sup>3</sup> Imperial College London, London, United Kingdom; <sup>4</sup> Thomas Jefferson University, Philadelphia, PA

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064	Pirfenidone Is Associated With Decreased Indexed End Diastolic And Systolic Volumes In Patients With HFpEF And A Known History Of Idiopathic Pulmonary Fibrosis	Shehab AlAnsari <sup>1</sup> , Brian D. Southern <sup>1</sup> , Vikram Sharma <sup>2</sup> , Gauranga Mahalwar <sup>3</sup> , WH Wilson Tang <sup>1</sup> . <sup>1</sup> Cleveland Clinic, CLEVELAND, OH; <sup>2</sup> University of Iowa Hospitals and Clinics, -, IA; <sup>3</sup> Cleveland Clinic Foundation, Cleveland, OH
065	Effects Of GLP-1 Receptor Agonists And SGLT-2 Inhibitors In Heart Transplant Patients With Type 2 Diabetes: A Case Series	Yasser Sammour, Michael Nassif, Merrill Thomas, Melissa Magwire, Taiyeb Khumri, Brett Sperry, Bethany Austin, Timothy Fendler, Andrew Kao, Deepthi Vodnala, Stephanie Lawhorn, Mark Everley, Anthony Magalski, Mikhail Kosiborod. Saint Luke's Mid America Heart Institute, Kansas City, MO
066	Use Of Droxidopa To Treat Orthostatic Hypotension In A Patient With Hfref	Frank McGrew <sup>1</sup> , Brian Dragutsky <sup>2</sup> , Sandra Charlton <sup>3</sup> . <sup>1</sup> The Stern Cardiovascular Foundation, Inc., germantown, TN; <sup>2</sup> The Stern Cardiovascular Foundation, Inc., Germantown, TN; <sup>3</sup> Medtronic, Mounds View, MN
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067	Why Is Diuresis-related Weight Loss Not A Consistent Predictor Of Clinical Outcomes In Heart Failure? -need To Account For Variability In Volume Status	Wayne L. Miller, Ronstan Lobo. Mayo Clinic, Rochester, MN
069	Longitudinal Assessment Of Hemodynamic And Autonomic Responses To Mechanical Circulatory Support Among Advanced Heart Failure Patients	Pedro Giro, Ashley Pratt-Cordova, Gregory V. Coe, Morgan Ostertag, Margaret Schulte, Katie O'Gean, Mark Beindorff, Jessica Byrd, Jay D. Pal, William K. Cornwell III. University of Colorado, Denver, CO
071	Estimated Vs. Measured Resting Metabolic Rate To Guide Nutrition Recommendations For Patients With Heart Failure With Reduced Ejection Fraction	Thomas Cascino, Theresa Anderson, Daniel Perry, Gillian Grafton, Todd Koelling, Scott L. Hummel. University of Michigan, Ann Arbor, MI
073	Endothelial Mesenchymal Transition And Cardiorenal Syndrome In A Rodent Model Of Heart Failure With A Preserved Ejection Fraction	Albin Oh, Maria Valero-Munoz, Flora Sam. Boston Medical Center, Boston, MA
074	Effect Of Hypothyroidism On Force And Kinetics In End-stage Failing Human Myocardium	Nancy Saad, Mohammed Mashali, Kyra Peczkowski, Salome Kiduko, Amanda Huang, Farbod Fazlollahi, Austin Hare, Gina TorresMatias, Bryan whitson, Nahush Mokadam, Courtney Campbell, Paul Janssen. The Ohio State University, Columbus, OH
075	Comparison Of Instantaneous Effect Of Speed Change On Invasive Hemodynamics And Echocardiographic Parameters Between Heartware And Heartmate 3 LVADs	Miguel A. Chavez, Tanushree Agrawal, Miguel Castro, Rahul Singh, Mahwash Kassi, Susan Xu, Ju Kim, Nadia Fida, Barry Trachtenberg, Ashrith Guha, Arvind Bhimaraj, Erik Suarez, Thomas MacGillivray, Imad Hussain, Rayan Yousefzai. Houston Methodist Hospital, Houston, TX
076	Wellbeing-Of-The Right Heart Forecasts-The Fate-Of-The Left Heart During Heart Attack	Ismayil Ahmet, Edward G. Lakatta. NIA/NIH, Baltimore, MD
077	Lack Of Association Between Left Ventricular Dyssynchrony And The Development Of Cardiomyopathy In Patients With Left Bundle Branch Block And Initially Preserved Left Ventricular Ejection Fraction	Mahmoud M. Salem, Ahmed Hussin, Philip Formica, Sarju Ganatra, Sachin P. Shah, David M. Venesy, Sunita Sharma, Richard D. Patten. Lahey Hospital and Medical Center, Burlington, MA

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079	Gas Exchange Score With $V_E/VCO_2$ And $ETCO_2$ Reliably Predicts Pulmonary Vascular Disease In Suspected Pulmonary Hypertension	Naga Dharmavaram, Aurangzeb Baber, Farhan Raza. University of Wisconsin Hospitals and Clinics, Madison, WI
080	Treatment Dilemma In Systemic Lupus Erythematosus Related Cardiomyopathy	Muhammad Hassan Khan, Pradeep Kumar Devarakonda, Praneeth Kumar Reddy Bandaru, Kyaw Htoo, Samir Garyali. The Brooklyn Hospital Center, Brooklyn, NY
081	Venous Congestion, Not Cardiac Index Is Associated With Diuretic Resistance	Maxwell Eder <sup>1</sup> , Matthew Griffin <sup>1</sup> , James Fleming <sup>1</sup> , Olyvia Gleason <sup>1</sup> , Grace Meegan <sup>1</sup> , Juan Ivey-Miranda <sup>2</sup> , Zachary Cox <sup>3</sup> , Veena Rao <sup>1</sup> , Jeffrey Testani <sup>1</sup> . <sup>1</sup> Yale University, New Haven, CT; <sup>2</sup> Instituto Mexicano del Seguro Social, Mexico City, Mexico; <sup>3</sup> Lipscomb University College of Pharmacy, Nashville, TN
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084	Echocardiographic Changes In Heart Failure Patients Treated With Transvenous Stimulation Of The Phrenic Nerve For Central Sleep Apnea	Shannon Meyers <sup>1</sup> , Saleh El Dassouki <sup>1</sup> , Scott W. McKane <sup>2</sup> , Timothy E. Meyer <sup>2</sup> , James C. Fang <sup>1</sup> , Krishna M. Sundar <sup>1</sup> , Kevin S. Shah <sup>1</sup> . <sup>1</sup> University of Utah, Salt Lake City, UT; <sup>2</sup> Respicardia Inc, St Paul, MN
085	Effect Of Late Gadolinum Enhancement And Adverse Right Ventricular Remodeling On Mortality In Patients With Group I Pulmonary Hypertension Vs. Group II Pulmonary Hypertension	Arif Albulushi, Brian Lowes, Ronald Zolty. University of Nebraska Medical Center, Omaha, NE
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088	The Clinical Spectrum Of T60a Variant Hereditary Transthyretin Amyloidosis In Ireland	Katie Hewitt, Molly McGuckin, Gerard Giblin, Laura Murphy, Emer Joyce. Mater Misericordiae University Hospital, Dublin 7, Ireland
089	Prognostic Value Of Left Ventricular Global Longitudinal Strain In Cardiac Amyloidosis - A Systematic Review And Meta-analysis	Ahmad Yehia Alazawie <sup>1</sup> , Ali S. Ali Al-Shammari <sup>1</sup> , Reham M. Ibrahim <sup>1</sup> , Mohammed T. Mutar <sup>1</sup> , Hilal Al-Saffar <sup>1</sup> , Loai Abudaqa <sup>2</sup> , Hasan Al Ajmi <sup>2</sup> , Fawaz Alenezi <sup>3</sup> , Michel Khouri <sup>3</sup> . <sup>1</sup> College of Medicine, University of Baghdad., Baghdad, Iraq; <sup>2</sup> Duke clinical research, Durham, NC; <sup>3</sup> Duke University Medical Center, Durham, NC
090	Myocardial Contraction Fraction In Outcomes In Transthyretin Amyloidosis	Sunil E. Saith, Danilo Gamino, Sergio Teryua, Jeffeny De Los Santos, Samantha Guadalupe, Margaret Cuomo, Carlos Rodriguez, Stephen Helmke, Hannah Rosenblum, Jan M. Griffin, Mathew S. Maurer. Columbia University College of Physicians & Surgeons, New York, NY

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093	Obesity Accelerates Cardiac Senescence In Heart Failure With Preserved Ejection Fraction	Frederik H. Verbrugge, Yogesh N. V. Reddy, Zachi I. Attia, Paul A. Friedman, Peter A. Noseworthy, Francisco Lopez-Jimenez, Suraj Kapa, Barry A. Borlaug. Mayo Clinic, Rochester, MN
094	Mitral Annular Disjunction: A Diagnosis To Save Lives	Nupur Shah <sup>1</sup> , Aditya Sood <sup>2</sup> , Anupama Kottam <sup>2</sup> , Luis Afonso <sup>2</sup> . <sup>1</sup> Saint Mary Mercy Hospital, Livonia, MI; <sup>2</sup> Wayne State University, Detroit, MI
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096	Increased Vasoactive Inotrope Score Following Left Ventricular Assist Device Placement Is Associated With Increased Mortality And Early Right Ventricular Failure	Karl Shaver <sup>1</sup> , Mohamed H. Derbala <sup>1,2,3</sup> , Matthew Cefalu <sup>1</sup> , Joel Ferrall <sup>1</sup> , Aaron Guo <sup>1</sup> , Sakima A. Smith <sup>1,2,3</sup> . <sup>1</sup> The Ohio State University Wexner Medical Center, Columbus, OH; <sup>2</sup> The Ohio State University College of Medicine, Columbus, OH; <sup>3</sup> Dorothy M. Davis Heart and Lung Research Institute, Columbus, OH
097	Incidence Of Heart Failure In Rheumatoid Arthritis A Review Of Literature And Meta-regression Analysis	Yaser Khalid <sup>1</sup> , Neethi Dasu <sup>2</sup> , Ankit Shah <sup>2</sup> , Kirti Dasu <sup>3</sup> , Adam Levine <sup>4</sup> . <sup>1</sup> Memorial Health System, Hollywood, FL; <sup>2</sup> RowanSOM, Stratford, NJ; <sup>3</sup> Syracuse University, Syracuse, NY; <sup>4</sup> Virtua Health, Cherry Hill, NJ
098	Fulminant Giant Cell Myocarditis Is Associated With Poor Outcomes	Kaushik Amancherla, Javid Moslehi, Robert Hoffman, JoAnn Lindenfeld. Vanderbilt University Medical Center, Nashville, TN
099	<b>Should We Continue Wasting Hearts? Outcomes Of Heart Transplantation From Hepatitis C Donors: A Systematic Literature Review.</b>	Josue Villegas-Galaviz, Maya Guglin. Indiana University School of Medicine, Indianapolis, IN
100	Biomarker Guided Therapy For Heart Failure With Mid-Range EF	Alexander T. Michaels <sup>1</sup> , Edward Peterson <sup>1</sup> , Jasmine Luzum <sup>1</sup> , Hongsheng Gui <sup>1</sup> , Yigal Pinto <sup>2</sup> , Hani N. Sabbah <sup>1</sup> , L Keoki Williams <sup>1</sup> , James Snider <sup>3</sup> , David E. Lanfear <sup>1</sup> . <sup>1</sup> Henry Ford Hospital, Detroit, MI; <sup>2</sup> University of Amsterdam, Amsterdam, Netherlands; <sup>3</sup> Critical Diagnostics, San Diego, CA
101	Myocarditis: An Important Presentation Of Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC)	Paul J. Scheel III, Brittney Murraray, Crystal Tichnell, Cynthia James, Harikrishna Tandri, Hugh Calkins, Stephen P. Chelko, Nisha A. Gilotra. Johns Hopkins, Baltimore, MD
102	Performance Evaluation Of A Machine Learning Model For Systematic Identification Of Wild-type Transthyretin Amyloid Cardiomyopathy At Two Academic Medical Centers	Stephen Heitner <sup>1</sup> , Miriam R. Elman <sup>1</sup> , Ahmad Masri <sup>1</sup> , Yindalon Aphinyanaphongs <sup>2</sup> , Alex Reyentovich <sup>2</sup> , Mohammad Ateya <sup>3</sup> , Birol Emir <sup>4</sup> , Ryan Fowler <sup>4</sup> , J. Rebecca Mills <sup>4</sup> , Kim D. Nolen <sup>4</sup> , Alexis Sohn <sup>4</sup> , Ahsan Huda <sup>4</sup> , Adam Castano <sup>4</sup> , Marianna Bruno <sup>4</sup> . <sup>1</sup> Oregon Health & Science University, Portland, OR; <sup>2</sup> NYU Langone Health, NY, NY; <sup>3</sup> Pfizer, NY, NY; <sup>4</sup> Pfizer, NY, NY
104	Diagnostic And Prognostic Implications Of Heart Failure With Preserved Ejection Fraction Scoring Systems	Vibhu Parcha <sup>1</sup> , Rajat Kalra <sup>2</sup> , Gargya Malla <sup>1</sup> , Nirav Patel <sup>1</sup> , Sandra Sanders-van Wijk <sup>3</sup> , Sanjiv J. Shah <sup>4</sup> , Garima Arora <sup>1</sup> , Pankaj Arora <sup>1</sup> . <sup>1</sup> University of Alabama

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105	Association Between Sacubitril/valsartan Initiation And Real-world Health Status Trajectories Over 1 Year In Heart Failure With Reduced Ejection Fraction	Merrill Thomas <sup>1</sup> , Yevgeniy Khariton <sup>1</sup> , Gregg C. Fonarow <sup>2</sup> , C. Larry Hill, Jr. <sup>3</sup> , Laine Thomas <sup>3</sup> , Michael E. Nassif <sup>1</sup> , Suzanne Arnold <sup>1</sup> , Paul C. Chan <sup>1</sup> , Adam D. DeVore <sup>4</sup> , Nancy M. Albert <sup>5</sup> , Javed Butler <sup>6</sup> , J. Herbert Patterson <sup>7</sup> , Fredonia B. Williams <sup>8</sup> , Adrian Hernandez <sup>4</sup> , John A. Spertus <sup>1</sup> . <sup>1</sup> Saint Luke's Mid America Heart Institute/University of Missouri-Kansas City, Kansas City, MO; <sup>2</sup> Ahmanson-UCLA Cardiomyopathy Center, Ronald Reagan UCLA Medical Center, Los Angeles, CA; <sup>3</sup> Duke Clinical Research Institute, Durham, NC; <sup>4</sup> Duke Clinical Research Institute, Duke University School of Medicine, Durham, NC; <sup>5</sup> Cleveland Clinic, Cleveland, OH; <sup>6</sup> University of Mississippi, Jackson, MS; <sup>7</sup> Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC; <sup>8</sup> Mended Hearts, Huntsville, AL
106	Safety And Effect On Mortality Of Soluble Guanylate Cyclase Stimulators In Heart Failure Patients- A Systemic Review And Meta-analysis.	Anum Asif <sup>1</sup> , Muhammad Shabbir Rawala <sup>2</sup> , Faiza Ahmed <sup>3</sup> , Rawan Shahatit <sup>4</sup> , Sandeep Aggarwal <sup>5</sup> , Waqas Javed Siddiqui <sup>4</sup> . <sup>1</sup> University of Pittsburgh Medical Center, Pittsburgh, PA; <sup>2</sup> Rapides Regional Medical Center, Alexandria, VA; <sup>3</sup> Wynford Chelation Center, Toronto, ON, Canada; <sup>4</sup> Mercer University School of Medicine, Orange Park Medical Center, Orange Park, FL; <sup>5</sup> University of Pennsylvania, Philadelphia, PA
107	Prescription Patterns Of Guideline Directed Therapies And Clinical Outcomes In Patients With Heart Failure, Based On Human Immunodeficiency Virus Status	Mallory Pullman, Jameika Stuckey, Sophia Beddoe, Adebamike Oshunbade, Deborah Minor, Javed Butler, Michael Hall. University of Mississippi Medical Center, Jackson, MS
108	Sacubitril-valsartan Improves Blood Pressure And Heart Failure In Left Ventricular Assist Device (lvad) Patients	Kristin Freed, Rachel L. Goldberg, Bonnie Marino, Rebecca Fioretti, Nancy Klemans, Chun Woo Choi, Ahmet Kilic, Roberta Florido, Kavita Sharma, Nisha Gilotra, Steven Hsu. Johns Hopkins Hospital, Baltimore, MD
109	Novel Risk Stratification Score For Hfpef And Afib: HAD-AFIB	Asad Ghafoor <sup>1</sup> , Rachel Pedersen <sup>1</sup> , Viviana Zlochiver <sup>1</sup> , Michael Peterson <sup>1</sup> , Nasir Sulemanjee <sup>1</sup> , Vinay Thohan <sup>2</sup> , Adam Schuldt <sup>1</sup> , Abdul J. Tajik <sup>1</sup> . <sup>1</sup> Aurora St Luke's Medical Center, Milwaukee, WI; <sup>2</sup> Mission Health System, Asheville, NC
110	The Critical Role Of Pulmonary Artery Wedge Pressure Saturation In The Standardization Of Pulmonary Artery Wedge Pressure Measurement.	Michael C. Viray, Eric L. Bonno, Nicholas Gabrielle, Jessica L. Atkins, Nicholas S. Amoroso, Valerian L. C. Fernandez, Anbukarasi Maran, Christopher D. Nielsen, Eric R. Powers, Daniel H. Steinberg, Thomas M. Todoran, Thomas G. Di Salvo, Gregory R. Jackson, Brian A. Houston, Ryan J. Tedford. Medical University of South Carolina, Charleston, SC
111	BMI Trends In Patients With Ventricular Assist Devices After Bariatric Surgery	Adrian daSilva-deAbreu <sup>1,2,3</sup> , Bader Aldeen Alhafez <sup>4</sup> , Yuhamy Curbelo-Pena <sup>5</sup> , Carl J. Lavie <sup>1,2</sup> , Hector O. Ventura <sup>1,2</sup> , Juan F. Loro-Ferrer <sup>3</sup> , Stacy A. Mandras <sup>1,2</sup> . <sup>1</sup> Ochsner Clinic Foundation, New Orleans, LA; <sup>2</sup> The UQ Ochsner

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112	Elevated Right And Left Sided Filling Pressures Determine Adverse Outcomes In Ambulatory Heart Failure With Preserved Ejection Fraction	Joban Vaishnav, Lisa R. Yanek, Virginia S. Hahn, Eunice Yang, Danielle Hopkins, Rishi Trivedi, Dhananjay Vaidya, David A. Kass, Kavita Sharma. Johns Hopkins University School of Medicine, Baltimore, MD
113	Burden Of Cardiogenic Shock In Patients With Takotsubo Syndrome: A National Perspective	Moinuddin Syed, Muhammad Zia Khan, Sudarshan Balla. West Virginia University, Morgantown, WV
114	Safety Profile Of Apixaban For Peri-Procedural Anticoagulation In Heart Transplant Recipients Undergoing Endomyocardial Biopsy	Daniel Daehyun Kim, Nicolas Krepostman, Dalila Masic, Shannon Kuhrau, Eugenia Raichlin, Max Liebo, Alain Heroux, Haseeb Ilias Basha. Loyola University Medical Center, Maywood, IL
115	Evaluation Of Skeletal Muscle Ultrasound For The Assessment Of Body Composition In Healthy Controls And Patients With Heart Failure	Laura Telfer, Joronia Chery, Matthew Lawrence, Abbey Haynes, Amanda R. Vest. Tufts Medical Center, Boston, MA
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140	Trends In Utilization Of Palliative Care In Acute Heart Failure Admissions	Ahmad Naeem Lone, Muhammad Zia Khan, Muhammad U. Khan, Safi Khan, Sudarshan Balla. West Virginia University, Morgantown, WV
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150	Remote Monitoring Of Heart Failure Using A Device-Based Multisensor Algorithm	Andrew Chang <sup>1</sup> , Yang Yang <sup>1</sup> , Irakli Giorgberidze <sup>1,2</sup> , Hamid Afshar <sup>1,2</sup> , Paul Schurmann <sup>1,2</sup> , Arunima Misra <sup>1,2</sup> . <sup>1</sup> Baylor College of Medicine, Houston, TX; <sup>2</sup> Michael E. DeBakey VA Medical Center, Houston, TX
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154	In-hospital Outcomes Of Patients With Acute Decompensated Heart Failure And Cirrhosis An Analysis Of The National Inpatient Sample	Yaser Khalid <sup>1</sup> , Debashis Reja <sup>2</sup> , Neethi Dasu <sup>3</sup> , Herman Suga <sup>3</sup> , Kirti Dasu <sup>4</sup> , Lucy Joo <sup>5</sup> . <sup>1</sup> Memorial Health System, Hollywood, FL; <sup>2</sup> Rutgers Robert Wood

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172	Bioimpedance Spectroscopy A Predictor Of Compensated Versus Decompensated Heart Failure In The Emergency Room	Andrew J. Accardi <sup>1</sup> , James T. Heywood <sup>2</sup> , Anne Burns <sup>2</sup> . <sup>1</sup> Scripps Memorial Hospital, Encinitas, CA; <sup>2</sup> Scripps Memorial Hospital, La Jolla, CA
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178	A First In Human Multi-center, Open Label, Prospective Study To Evaluate Safety, Usability And Performance Of The VisONE System For Heart Failure With A Reduced Left Ventricular Ejection Fraction	John G. F. Cleland <sup>1</sup> , Robin Young <sup>1</sup> , Ana Jorbenadze <sup>2</sup> , Tamaz Shaburishvili <sup>2</sup> , Vitaly Demyanchuk <sup>3</sup> , Roman Buriak <sup>4</sup> , Borys Todurov <sup>3</sup> , Kostyantyn Rudenko <sup>4</sup> , Michel Zuber <sup>5</sup> , Simon F. Stämpfli <sup>5</sup> , Felix C. Tanner <sup>5</sup> , Paul Erne <sup>6</sup> , Michael Mirro <sup>7</sup> , Lee R. Goldberg <sup>8</sup> . <sup>1</sup> Robertson Centre for Biostatistics, University of Glasgow, Glasgow, United Kingdom; <sup>2</sup> Heart and Vascular Clinic, Tbilisi, Georgia; <sup>3</sup> Heart Center, Ministry of Health of Ukraine, Kiev, Ukraine; <sup>4</sup> Amosov National Institute of Cardiovascular Surgery, Kiev, Ukraine; <sup>5</sup> Heart Center, University Hospital, Zurich, Switzerland; <sup>6</sup> University Svizzera Italiana, Lugano, Switzerland; <sup>7</sup> Indiana University, Fort Wayne, IN; <sup>8</sup> Penn Medicine Heart Failure and Cardiac Transplant Center, University of Pennsylvania, Philadelphia, PA
179	Restricted Mean Survival Time For Analysis And Interpretation Of Clinical Trials For Heart Failure Devices	Carlotta Peregò <sup>1</sup> , Marco Sbolli <sup>1</sup> , Claudia Specchia <sup>2</sup> , Chiara Oriecua <sup>2</sup> , Giulia Peveri <sup>3</sup> , Mona Fiuzat <sup>4</sup> , Christopher O'Connor <sup>1</sup> , Marco Metra <sup>2</sup> , Lee-Jen Wei <sup>5</sup> , Mitchell Psofka <sup>1</sup> . <sup>1</sup> Inova Heart and Vascular Institute, Falls Church, VA; <sup>2</sup> Università degli Studi di Brescia, Brescia, Italy; <sup>3</sup> Università degli Studi di Milano, Milan, Italy; <sup>4</sup> Duke University, Durham, NC; <sup>5</sup> Harvard University, Boston, MA
180	Long-term Survival Benefit Of Tafamidis In Patients With Transthyretin Amyloid Cardiomyopathy	Jignesh Patel <sup>1</sup> , Perry Elliott <sup>2</sup> , Balarama Gundapaneni <sup>3</sup> , Benjamin Li <sup>4</sup> , Marla Sultan <sup>4</sup> , Martha Grogan <sup>5</sup> . <sup>1</sup> Cedars-Sinai Smidt Heart Institute, LA, CA; <sup>2</sup> University College London, London, United Kingdom; <sup>3</sup> Pfizer, Groton, CT; <sup>4</sup> Pfizer, NY, NY; <sup>5</sup> Mayo Clinic, Rochester, MN
181	Functional Capacity, Health-related Quality-of-life And Cardiac Biomarker Improvement With Tafamidis In The Tafamidis In Transthyretin Cardiomyopathy Clinical Trial (ATTR-ACT)	Mazen Hanna <sup>1</sup> , Nowell Fine <sup>2</sup> , Michelle Stewart <sup>3</sup> , Balarama Gundapaneni <sup>3</sup> , Marla B. Sultan <sup>4</sup> , Ronald Witteles <sup>5</sup> . <sup>1</sup> Cleveland Clinic, Cleveland, OH; <sup>2</sup> University of Calgary, Calgary, AB, Canada; <sup>3</sup> Pfizer, Groton, CT; <sup>4</sup> Pfizer, New York, NY; <sup>5</sup> Stanford University School of Medicine, Stanford, CA
182	Non-participation In A Heart Failure Clinical Trial: Perspectives And Opportunities From The VICTORIA Trial And Simultaneous Registry	Justin Ezekowitz <sup>1</sup> , Robert J. Mentz <sup>2</sup> , Cynthia M. Westerhout <sup>1</sup> , Nancy K. Sweitzer <sup>3</sup> , Michael M. Givertz <sup>4</sup> , Ileana L. Piña <sup>5</sup> , Christopher M. O'Connor <sup>6</sup> , Stephen J. Greene <sup>2</sup> , Joerg Koglin <sup>7</sup> , Lothar Roessig <sup>8</sup> , Adrian F. Hernandez <sup>2</sup> , Paul W. Armstrong <sup>1</sup> . <sup>1</sup> Canadian VIGOUR Centre, Univ of Alberta, Edmonton, AB, Canada; <sup>2</sup> Duke Clinical Research Institute, Durham, NC; <sup>3</sup> Univ of Arizona, Tuscon, AZ; <sup>4</sup> Brigham and Women's Hospital, Boston, MA; <sup>5</sup> Wayne State Univ, Detroit, MI; <sup>6</sup> Inova Heart and Vascular Institute, Falls Church, VA; <sup>7</sup> Merck & Co, Inc., Kenilworth, NJ; <sup>8</sup> Bayer AG, Wuppertal, Germany
183	Effect Of Vericiguat In Victoria According To Guideline-directed Medical Therapy	Justin Ezekowitz <sup>1</sup> , Ciaran McMullan <sup>2</sup> , Cynthia Westerhout <sup>1</sup> , Ileana L. Piña <sup>3</sup> , Jose Lopez-Sendon <sup>4</sup> , Kevin J. Anstrom <sup>5</sup> , Adrian F. Hernandez <sup>5</sup> , Carolyn S. P. Lam <sup>6</sup> , Christopher M. O'Connor <sup>7</sup> , Burkert Pieske <sup>8</sup> , Piotr Ponikowski <sup>9</sup> , Lothar Roessig <sup>10</sup> , Adriaan A. Voors <sup>11</sup> , Joerg Koglin <sup>2</sup> , Paul W. Armstrong <sup>1</sup> , Javed Butler <sup>12</sup> . <sup>1</sup> CVC, U Alberta, Edmonton, AB, Canada; <sup>2</sup> Merck, Kenilworth, NJ; <sup>3</sup> Wayne State U, Detroit, MI; <sup>4</sup> U Hosp La Paz, Madrid, Spain; <sup>5</sup> DCRI,

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		Durham, NC; <sup>6</sup> Natl Heart Ctr, Singapore, Singapore; <sup>7</sup> Inova, Falls Church, VA; <sup>8</sup> Charité U Med, Berlin, Germany; <sup>9</sup> Wroclaw Med U, Wroclaw, Poland; <sup>10</sup> Bayer, Wuppertal, Germany; <sup>11</sup> U Groningen, Groningen, Netherlands; <sup>12</sup> U Mississippi, Jackson, MS
184	Virtual Visits To Optimize Research Trial Offerings To Heart Failure Patients	Laurie Ann Moennich, Barbara Bittel, Jerry Estep. Cleveland Clinic, Cleveland, OH
185	Assessing For A Differential Treatment Effect With Nesiritide By Body Mass Index	Marius I. Chukwurah <sup>1</sup> , Marat Fudim <sup>1,2</sup> , Stephen J. Greene <sup>1,2</sup> , Jie-Lena Sun <sup>2</sup> , Brooke Alhanti <sup>2</sup> , Randall C. Starling <sup>3</sup> , Robert J. Mentz <sup>1,2</sup> . <sup>1</sup> Duke University Medical Center, Durham, NC; <sup>2</sup> Duke Clinical Research Institute, Durham, NC; <sup>3</sup> Cleveland Clinic Foundation, Cleveland, OH
186	Transvenous Phrenic Nerve Stimulation Improves Central Sleep Apnea In Heart Failure Patients	Lee R. Goldberg <sup>1</sup> , Loreena Hill <sup>2</sup> , Maria Rosa Costanzo <sup>3</sup> , Ovidiu Chioncel <sup>4</sup> , Mitja Lainscak <sup>5</sup> , Scott McKane <sup>6</sup> , Timothy E. Meyer <sup>6</sup> , Robin Germany <sup>6</sup> , Andrew JS Coats <sup>7</sup> . <sup>1</sup> Univ of Pennsylvania, Philadelphia, PA; <sup>2</sup> Queen's Univ Belfast, Belfast, United Kingdom; <sup>3</sup> Advocate Heart Institute, Naperville, IL; <sup>4</sup> Univ of Bucharest, Bucharest, Romania; <sup>5</sup> General Hospital Murska Sobota, Ljubljana, Slovenia; <sup>6</sup> Respicardia, Minnetonka, MN; <sup>7</sup> San Raffaele Pisana Hospital IRCCS, Rome, Italy
187	Elamipretide Prevents The Natural History Progression Of Cardiomyopathy-Related Disease Symptomatology In Patients With Barth Syndrome: A Tazpower Analysis	William Reid Thompson <sup>1</sup> , Ryan Manuel <sup>1</sup> , John J. Jones <sup>2</sup> , Jim Carr <sup>2</sup> , Brittany Hornby <sup>1</sup> , Hilary J. Vernon <sup>1</sup> . <sup>1</sup> Johns Hopkins University School of Medicine, Baltimore, MD; <sup>2</sup> Stealth BioTherapeutics, Newton, MA
188	Long-term Integrated Safety Of Patisiran In Patients With Hereditary Transthyretin-Mediated Amyloidosis With Polyneuropathy	Julian Gillmore <sup>1</sup> , John Berk <sup>2</sup> , Angela Dispenzieri <sup>3</sup> , Michael Polydefkis <sup>4</sup> , Alejandra Gonzalez-Duarte <sup>5</sup> , Yoshiki Sekijima <sup>6</sup> , Marianne T. Sweetser <sup>7</sup> , Seth Arum <sup>7</sup> , Jing Jing Wang <sup>7</sup> , Matthew T. White <sup>7</sup> , Mathew Maurer <sup>8</sup> . <sup>1</sup> University College London, London, United Kingdom; <sup>2</sup> Boston University, Boston, MA; <sup>3</sup> Mayo Clinic - Rochester, Rochester, MN; <sup>4</sup> Johns Hopkins, Baltimore, MD; <sup>5</sup> Instituto Nacional de Ciencias Médicas y Nutrición, Salvador Zubirán, Mexico City, Mexico; <sup>6</sup> Shinshu University Hospital, Matsumoto, Japan; <sup>7</sup> Alnylam Pharmaceuticals, Cambridge, MA; <sup>8</sup> Columbia University, New York, NY
189	Successful Validation Of A Wearable, On-body Infusor For Subcutaneous Administration Of Furoscix® In Heart Failure Patients, Caregivers, And Health Care Practitioners	Anthony D. Andre <sup>1</sup> , John Mohr <sup>2</sup> , Barbara Cornelius <sup>2</sup> , Matthew M. Goodwin <sup>2</sup> , Carson Whitaker <sup>1</sup> , Bhavini Patel <sup>2</sup> , Michael Hassman <sup>2</sup> , Michael Hassman <sup>2</sup> . <sup>1</sup> Interface Analysis Associates, Saratoga, CA; <sup>2</sup> scPharmaceuticals, Burlington, MA
190	Safety, Tolerability, Pharmacokinetics, And Pharmacodynamics Of Amg 986, A Novel Small Molecule Apelin Receptor Agonist, In Healthy Subjects And Heart Failure Patients	Jennifer Hellawell <sup>1</sup> , Siddique Abbasi <sup>2</sup> , Ashit Trivedi <sup>2</sup> , Kate Tsirtsonis <sup>2</sup> , Allegra Kaufman <sup>2</sup> . <sup>1</sup> Amgen, South San Francisco, CA; <sup>2</sup> Amgen, Thousand Oaks, CA
191	Adjudication Of Cause-specific Endpoints In Heart Failure Trials	Carlotta Perego <sup>1</sup> , Marco Sbolli <sup>1</sup> , Mona Fiuzat <sup>2</sup> , Peter E. Carson <sup>3</sup> , Christopher M. O'Connor <sup>1</sup> , Michael R. Bristow <sup>4</sup> . <sup>1</sup> Inova Heart and Vascular Institute, Falls

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		Church, VA; <sup>2</sup> Duke University, Durham, NC; <sup>3</sup> Washington VA Medical Center, Washington DC, DC; <sup>4</sup> University of Colorado, Aurora, CO
192	Transvenous Phrenic Nerve Stimulation Is Safe And Effective In Patients With Heart Failure And Cheyne-stokes Respiration	Maria Rosa Costanzo <sup>1</sup> , Mitja Lainscak <sup>2</sup> , Andrew Coats <sup>3</sup> , Stefan Anker <sup>4</sup> , Scott McKane <sup>5</sup> , Robin Germany <sup>6</sup> , Olaf Oldenburg <sup>7</sup> . <sup>1</sup> Advocate Heart Institute, Naperville, IL; <sup>2</sup> General Hospital Murska Sobota, Ljubljana, Slovenia; <sup>3</sup> San Raffaele Pisana Hospital IRCCS, Rome, Italy; <sup>4</sup> Charité University, Berlin, Germany; <sup>5</sup> Respicardia, Minnetonka, MN; <sup>6</sup> University of Oklahoma, Oklahoma City, OK; <sup>7</sup> Ludgerus-Kliniken Münster, Munster, Germany
193	An Electronically Delivered, Patient-activation Tool For Intensification Of Chronic Medications For Heart Failure With Reduced Ejection Fraction: The Epic-hf Trial	Grace Venechuk <sup>1</sup> , Prateeti Khazanie <sup>1</sup> , Robert Page <sup>2</sup> , Christopher Knoepke <sup>1</sup> , Laura Helmkamp <sup>1</sup> , Pamela Peterson <sup>1,3</sup> , Kenneth Pierce <sup>1</sup> , Jocelyn Thompson <sup>1</sup> , Janice Huang <sup>4</sup> , James Strader <sup>4</sup> , Tristan Dow <sup>5</sup> , Lance Richards <sup>5</sup> , Katy Trinkley <sup>2</sup> , David Kao <sup>1</sup> , Colleen McIlvennan <sup>1</sup> , David Magid <sup>1</sup> , Daniel Matlock <sup>1</sup> , Peter Buttrick <sup>1</sup> , Larry Allen <sup>6</sup> . <sup>1</sup> University of Colorado School of Medicine, Aurora, CO; <sup>2</sup> University of Colorado School of Pharmacy, Aurora, CO; <sup>3</sup> Denver Health Medical Center, Denver, CO; <sup>4</sup> UCHealth Memorial Hospital, Colorado Springs, CO; <sup>5</sup> UCHealth Poudre Valley Hospital, Loveland, CO; <sup>6</sup> University of Colorado School of Medicine, Denver, CO
194	Risk Prediction Models And Risk Factors For Early Heart Failure After Acute Myocardial Infarction	Qiongying Wang. Lanzhou University Second Hospital, Lanzhou, China
195	Ckd Increased The Risk Of Adverse Outcomes Shortly After An Acute Community-acquired Pneumonia In Very Patients With Stable Coronary Artery Disease	Zhao Xiaoqian <sup>1</sup> , Luo Leiming <sup>2</sup> , Zhang Jinping <sup>1</sup> , Liu Yuan <sup>2</sup> , Fu Shihui <sup>2</sup> , Li Yulong <sup>2</sup> . <sup>1</sup> The Chinese PLA 305 Hospital, Beijing, China; <sup>2</sup> The Chinese PLA General Hospital, Beijing, China
<b>Coronavirus (COVID-19)</b>		
196	The Decrease In Hospitalizations For Heart Failure During The Covid-19 Pandemic: A Community And Academic Hospital Comparison Study	Amanda R. Vest <sup>1</sup> , Jenica N. Upshaw <sup>1</sup> , Kyle Dean <sup>2</sup> , Erin Donovan <sup>3</sup> , Nikolaos Diakos <sup>1</sup> , Christopher Hong <sup>3</sup> , Laurence Conway <sup>4</sup> , Michael S. Kiernan <sup>1</sup> , David DeNofrio <sup>1</sup> , Marvin A. Konstam <sup>1</sup> . <sup>1</sup> Tufts Medical Center, Boston, MA; <sup>2</sup> Melrose Wakefield Hospital, Melrose, MA; <sup>3</sup> Lowell General Hospital, Lowell, MA; <sup>4</sup> Melrose Wakefiled Hospital, Melrose, MA
197	Heart Failure Hospitalization Trends During The Early Phase Of The COVID 19 Pandemic	Meg Fraser, Melinda Mutschler, Kerry Sackman, Christie Newman, Tamas Alexy, Daniel Garry, Forum Kamdar, Thenappan Thenappan, Marc Pritzker, Cindy M. Martin, Rebecca Cogswell. University of Minnesota, Minneapolis, MN
198	Clinical Implications Of Myocardial Involvement With Covid 19: A Case Control Study	Shruti Hegde <sup>1</sup> , Magdi Zordok <sup>2</sup> , Maria Nikolaeva <sup>1</sup> , Adhiraj Bhattacharya <sup>1</sup> , Michael Maysky <sup>1</sup> . <sup>1</sup> St Elizabeth's Medical Center, Boston, MA; <sup>2</sup> Steward Carney Hospital, Boston, MA
199	Implementation Of A Telemedicine Clinic In The Covid-19 Era	Suzan Khalil, Melissa A. Moore, David J. Cho, Ali Nsair, Sandra J. Rodriguez, Megan Kamath. UCLA, Los Angeles, CA

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200	Changing Trends Of Mean Pulmonary Artery Pressure Reading During Covid-19 Pandemic Stay At Home Orders	Devesh Rai, Muhammad Waqas Tahir, Medhat Chowdhury, Adnan Kharsa, Satish Pandela, Irfan Saddique, Scott Feitell. Rochester General Hospital, Rochester, NY
201	Heart Transplantation Selection Committee Meetings: Transitioning From In-Person To Remote Video Meetings	Neha V. Chandra, Jeffrey Hsu, Ali Nsaïr, Rushi V. Parikh. University of California Los Angeles, Los Angeles, CA
202	N-Terminal Pro-B-Type Natriuretic Peptide And Mortality In Patients Without Heart Failure Hospitalized With Severe Covid-19 Pneumonia	Jeanwoo Yoo, Aikaterini Papamanoli, Prabhjot Grewal, Jacquelyn Nakamura, Simrat Dhaliwal, Jenny Fung, Robin Jacob, Joshua Abata, Jessica Hotelling, Nikitha Karkala, Sahil Rawal, Alexandra Coritsidis, To Tsui, Hal Skopicki, Luis A. Marcos, Andreas Kalogeropoulos. Stony Brook University, Stony Brook, NY
203	A Case Of Suspected Covid 19 Related Cardiomyopathy	Tamari A. Miller, Sara Kalantari, Jonathan Grinstein, Ann Nguyen, Bow Young Chung, Nitasha Sarswat, Gene Kim, Urooba Nadeem, Aliya Husain, Luise Heddy Holzhauser, Natasha Mehta, Viktoriya Kagan, Colleen Labuhn, Valluvan Jeevanandam, Tae Song, Bryan Smith. The University of Chicago Medicine, Chicago, IL
204	Characteristics And Outcomes Of Patients With Heart Failure Admitted With Covid-19 In A Cohort Study From Southeast Michigan	Mohamad Raad, Sarah Gorgis, Mohammed Dabbagh, Sachin Parikh, Jennifer Cowger. Henry Ford Health System, Detroit, MI
205	Should Patients With Severe Obesity Receive Veno-venous Extra Corporeal Membrane Oxygenation Support In Patients With Acute Respiratory Distress Syndrome? A Single-center Experience	Ayesha Azmeen <sup>1</sup> , Naga Vaishnavi Gadela <sup>1</sup> , Colleen Drake <sup>2</sup> , Ethan Kurtzman <sup>2</sup> , David Underhill <sup>2</sup> , William L. Baker <sup>2</sup> , Jason A. Gluck <sup>2</sup> , Abhishek Jaiswal <sup>2</sup> . <sup>1</sup> University of Connecticut Health Center, Farmington, CT; <sup>2</sup> Hartford Hospital, Hartford, CT
206	Changes In Care Delivery For Patients With Heart Failure During The Covid-19 Pandemic: Results Of A Multicenter Survey	Colleen K. McIlvennan <sup>1</sup> , Larry A. Allen <sup>1</sup> , Adam D. DeVore <sup>2</sup> , Lisa A. Kaltenbach <sup>2</sup> , Christopher B. Granger <sup>2</sup> , Bradi B. Granger <sup>2</sup> . <sup>1</sup> University of Colorado, Aurora, CO; <sup>2</sup> Duke University, Durham, NC
207	Accuracy Of Physical Exam In Covid Era.	Anusha Sunkara, Barry Trachtenberg. Houston Methodist Hospital, Houston, TX
<b>Electrophysiology/Arrhythmias</b>		
208	Artificial Intelligence Predicts Atrial Fibrillation Development From The 12-lead Electrocardiogram In Heart Failure With Preserved Ejection Fraction	Frederik Hendrik Verbrugge, Yogesh N. V. Reddy, Zachi I. Attia, Paul A. Friedman, Peter A. Noseworthy, Francisco Lopez-Jimenez, Suraj Kapa, Barry A. Borlaug. Mayo Clinic, Rochester, MN
210	Rate-related Left Bundle Branch Block Causing Cardiomyopathy	Auroa Badin <sup>1</sup> , Katherine Dodd <sup>1</sup> , Chandra Kunavarapu <sup>2</sup> , Allen S. Anderson <sup>1</sup> . <sup>1</sup> University of Texas Health Science, San Antonio, TX; <sup>2</sup> Texas Transplant Institute, San Antonio, TX
211	Clinical Characteristics And Outcomes Of Temporary Trans-venous Pacing In Atrio-ventricular Block In Acute Myocarditis	Kirolos Barssoum <sup>1</sup> , Hasan F. Othman <sup>2</sup> , Devesh Rai <sup>1</sup> , Mohan Rao <sup>1</sup> . <sup>1</sup> Rochester General Hospital, Rochester, NY; <sup>2</sup> Michigan State University/Sparrow Health System, Lansing, NY
212	Trend And Outcomes Of Cardiac Dysrhythmias In Lvad Recipients	Kirolos Barssoum <sup>1</sup> , Hasan F. Othman <sup>2</sup> , Devesh Rai <sup>1</sup> , Mohan Rao <sup>1</sup> . <sup>1</sup> Rochester General Hospital, Rochester, NY; <sup>2</sup> Michigan State University/Sparrow Health System, Lansing, MI

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213	Acute Heart Failure And Atrial Fibrillation With Rapid Ventricular Response - Role Of Gender And Alcohol In Suspected Tachycardia-induced Cardiomyopathy	Hayaan Kamran, Simarjeet Brar, Sarju Ganatra, Philip Formica, Sachin P. Shah, David M. Venesy, Richard D. Patten. Lahey Hospital and Medical Center, Burlington, MA
216	Post Pulmonary Thromboendarterectomy Atrial Arrhythmias And Impact On Length Of Stay	Abdullah Haddad <sup>1</sup> , David Laslett <sup>1</sup> , Anjali Vaidya <sup>1</sup> , Lauren Tragesser <sup>2</sup> , Raj Dalsania <sup>1</sup> , Chethan Gangireddy <sup>1</sup> , Yoshiya Toyoda <sup>1</sup> , Paul Forfia <sup>1</sup> , William Auger <sup>1</sup> , Isaac R. Whitman <sup>1</sup> . <sup>1</sup> Temple University Hospital, Philadelphia, PA; <sup>2</sup> Temple University, Philadelphia, PA
217	Safety Of Electrical Cardioversion In Patients With Left Ventricular Thrombus	Saqer Alkharabsheh, Muzna Hussain, Omar Gutierrez, Mohamed Khayata, Patrick Collier. Cleveland Clinic, Cleveland, OH
218	Robust Detection Of Wide Complex Tachyarrhythmias Using Mobile Cardiac Telemetry Monitors	Ruhi Mahajan <sup>1</sup> , Alok Gambhir <sup>2</sup> , Sameer Adumala <sup>1</sup> . <sup>1</sup> Zywie, Inc., Johns Creek, GA; <sup>2</sup> The Heart Center of Northeast Georgia Medical Center, Gainesville, GA
219	Autonomic Instability Secondary To Glomus Vagale Paraganglioma	Parth N. Patel, Joseph J. Berman. Saint Barnabas Medical Center, Livingston, NJ
221	Functional Capacity In Patients Of Severe And Mild Postural Orthostatic Tachycardia Syndrome	Muhammad Jawad Javed, Tehreem Qamar Nawaz Warrich, Hemanshi Mistry, Radhika Akku, Ashwini Potharam, Sadaf Afzal, Lan Yang, Esha Mahmood, Sidra Agrawal, Amer Suleman. The Heart Beat Clinic, Dallas, TX
222	Left Ventricular End Diastolic Diameter In Patients Of Mild And Severe Postural Orthostatic Tachycardia Syndrome	Tehreem Qamar Nawaz Warrich, Muhammad Jawad Javed, Hemanshi Mistry, Ashwini Potharam, Sadaf Afzal, Radhika Akku, Lan Yang, Esha Mahmood, Sidra Agrawal, Amer Suleman. The Heart Beat Clinic, Dallas, TX
<b>Epidemiology/Prevention</b>		
223	Efficacy Of Carvedilol In Preventing Anthracycline-induced Cardiotoxicity: A Meta-analysis Of Randomized Controlled Trials	Frederick Berro Rivera, John Vincent Magalong, Estreller Sachiko, Harold Henrison Chiu, Jose Donato Magno, Anonuevo John. University of the Philippines-Philippine General Hospital, Manila, Philippines
224	The Role Of Reproductive Factors In Risk Prediction Of Incident Heart Failure In White And Black Women: The Women's Health Initiative	Priya P. Mehta <sup>1</sup> , Hongyan Ning <sup>1</sup> , Amanda M. Perak <sup>1</sup> , Abbi Lane-Cordova <sup>2</sup> , Mercedes Carnethon <sup>1</sup> , Sanjiv J. Shah <sup>1</sup> , William Grobman <sup>1</sup> , Philip Greenland <sup>1</sup> , Norrina B. Allen <sup>1</sup> , Donald M. Lloyd-Jones <sup>1</sup> , Sadiya S. Khan <sup>1</sup> . <sup>1</sup> Northwestern University, Chicago, IL; <sup>2</sup> University of South Carolina at Columbia, Columbia, SC
225	Trends In Heart Failure Mortality Disparities Before And After The Implementation Of The Affordable Care Act: The Chicago Experience	Ethan Klepitsch <sup>1</sup> , Anthony Anya <sup>2</sup> , Faraz S. Ahmad <sup>1</sup> , Cornelius Conway <sup>3</sup> , Ian Everitt <sup>1</sup> , Dionne Ibekie <sup>4</sup> , Edwin Mandieka <sup>1</sup> , Bryan A. Smith <sup>5</sup> , Quentin R. Youmans <sup>1</sup> , Ike S. Okwuosa <sup>1</sup> . <sup>1</sup> Northwestern University, Chicago, IL; <sup>2</sup> Georgetown University School of Medicine, DC, DC; <sup>3</sup> Chicago Medical School, Chicago, IL; <sup>4</sup> HSHS St. Mary's Hospital., Decatur, IL; <sup>5</sup> University of Chicago, Chicago, IL
226	Novel County-Level Non-Communicable Disease Risk (NCDR) Groups are Associated with Contemporary Cardiovascular Mortality Related to Heart Failure in the United States, 2016-18	Quentin Youmas, Megan McCabe, Clyde W. Yancy, Lucia Petito, Kiarra N. Kershaw, Norrina B. Allen, Sadiya S. Khan. Northwestern University Feinberg School of Medicine, Chicago, IL



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227	Use Of Google Trends As A Novel Epidemiological Tool	Aakash R. Sheth <sup>1</sup> , Ruchi Bhandari <sup>2</sup> , Harsh P. Patel <sup>3</sup> , Samarthkumar Thakkar <sup>4</sup> , Raj Patel <sup>3</sup> , Paari Dominic <sup>1</sup> . <sup>1</sup> LSU Shreveport, Shreveport, LA; <sup>2</sup> West Virginia University, Morgantown, WV; <sup>3</sup> Louis A Weiss Memorial Hospital, Chicago, IL; <sup>4</sup> Rochester General Hospital, Rochester, NY
228	Trends In Hypertension Related Cardiovascular Mortality In The United States, 2000-2018	Leah Rethy, Nilay Shah, James J. Paparello, Donald M. Lloyd-Jones, Sadiya S. Khan. Northwestern University, Chicago, IL
229	Characteristics And Outcomes Of A Real-world Population With Heart Failure With Reduced Ejection Fraction Representative Of Clinical Trial Patients	Sarah S. Cohen <sup>1</sup> , Eric Farber-Eger <sup>2</sup> , Loren Lipworth <sup>2</sup> , John Umejiego <sup>3</sup> , Ricardo Dent <sup>3</sup> , Paul Dluzniewski <sup>3</sup> , Quinn S. Wells <sup>2</sup> . <sup>1</sup> ToxStrategies, Cary, NC; <sup>2</sup> Vanderbilt University Medical Center, Nashville, TN; <sup>3</sup> Amgen, Inc., Thousand Oaks, CA
230	Temporal Trends Of Wild-type Attr Amyloidosis In The Transthyretin Amyloidosis Outcomes Survey	Jose Nativi-Nicolau <sup>1</sup> , Alfonso Siu <sup>1</sup> , Angela Dispenzieri <sup>2</sup> , Mathew S. Maurer <sup>3</sup> , Claudio Rapezzi <sup>4</sup> , Arnt Kristen <sup>5</sup> , Pablo Garcia-Pavia <sup>6</sup> , Samantha LoRusso <sup>7</sup> , Marcia Waddington-Cruz <sup>8</sup> , Olivier Lairez <sup>9</sup> , Ronald Witteles <sup>10</sup> , Doug Chapman <sup>11</sup> , Denise Rill <sup>12</sup> , Jan Kiszko <sup>13</sup> , Leslie Amass <sup>13</sup> , Martha Grogan <sup>2</sup> . <sup>1</sup> University of Utah, Salt Lake City, UT; <sup>2</sup> Mayo Clinic, Rochester, MN; <sup>3</sup> Columbia University. College of Physicians and Surgeons., New York, NY; <sup>4</sup> University of Bologna, Bologna, Italy; <sup>5</sup> University of Heidelberg, Heidelberg, Germany; <sup>6</sup> Hospital Universitario Puerta de Hierro Majadahonda, Madr, Spain; <sup>7</sup> The Ohio State University, Columbus, OH; <sup>8</sup> Federal University of Rio de Janeiro, Rio de Janeiro, Brazil; <sup>9</sup> Toulouse University Hospital, Toulouse, France; <sup>10</sup> Stanford University, Stanford, CA; <sup>11</sup> Pfizer Inc, New York, NY; <sup>12</sup> Pfizer, Inc, New York, NY; <sup>13</sup> Pfizer Inc., New York, NY
231	Prognostic Value Of Serum Sodium On Admission For In-hospital Mortality In Patients Hospitalized With Heart Failure	xuemei zhao, Changhong zou, yuhong wang, yuhui zhang, jian zhang. Fuwai hospital, Beijing, China
232	Quality Of Life And Its Determinants In Heart Failure Patients At A Major Tertiary Academic Center In Ontario, Canada	Bianca Fukakusa, Alison Magi, Alex Grinvalds, Tara McCreedy, Salim Yusuf, Eva M. Lonn. McMaster University and Population Health Research Institute, Hamilton, ON, Canada
233	Prevalence And Clinical Factors Correlated With Sleep Apnea In Acute Decompensated Heart Failure	yunhong wang, mei zhai, qiong zhou, xuemei zhao, shiming ji, yuhui zhang, jian zhang. Fuwai hospital, Beijing, China
234	Food Deserts And Risk For Rehospitalization In Heart Failure Patients	Christopher Gans, Stephen T. Phillips. University of Illinois at Chicago, Chicago, IL
235	Trends In Adult Heart Transplantation And Associated Outcomes- Analysis Of The Unos Registry	Emmanuel Akintoye, Paulino Alvarez, Alexandros Briasoulis. University of Iowa, Iowa City, IA
236	Gender, Racial And Ethnicity Based Trends In Acute Congestive Heart Failure Admissions	Ahmad Naeem Lone, Muhammad Zia Khan, Muhammad U. Khan, Safi Khan, Sudarshan Balla. West Virginia University, Morgantown, WV
237	Patients With P.V142I Transthyretin Mutation: Insights From A Genetic Testing Program	Keyur Shah <sup>1</sup> , Naresh Bumma <sup>2</sup> , Diego Delgado <sup>3</sup> , Chafic Karam <sup>4</sup> , Andrew Keller <sup>1</sup> , Sami Khella <sup>5</sup> , Aaron Gabriel <sup>6</sup> , Arvind Narayana <sup>6</sup> , Kemi Olugemo <sup>6</sup> . <sup>1</sup> VCU Health System, Richmond, VA; <sup>2</sup> The Ohio State University, Columbus, OH; <sup>3</sup> University Health Network, Toronto, ON, Canada; <sup>4</sup> Oregon

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		Health & Science University, Portland, OR; <sup>5</sup> University of Pennsylvania, Philadelphia, PA; <sup>6</sup> Akcea Therapeutics, Boston, MA
238	The Incremental Burden Of Atrial Fibrillation And Heart Failure: A Real-world Claims-based Analysis	David Lanctin <sup>1</sup> , William D. Irish <sup>2</sup> , Candace Gunnerson <sup>3</sup> . <sup>1</sup> Medtronic, Minneapolis, MN; <sup>2</sup> East Carolina University, Greenville, NC; <sup>3</sup> Imperium Statistical Consulting, Jupiter, FL
239	Genotypic And Phenotypic Differences And Similarities Among Patients With Inherited Cardiovascular Diseases: Insights From A Genetic Testing Program	Andrew Keller <sup>1</sup> , Keyur Shah <sup>1</sup> , Diego Delgado <sup>2</sup> , Ajay Vallakati <sup>3</sup> , Olakunle Akinboboye <sup>4</sup> , Catherine Marti <sup>5</sup> , Jill Dolinsky <sup>6</sup> , Aaron Gabriel <sup>7</sup> , Arvind Narayana <sup>7</sup> , Kemi Olugemo <sup>7</sup> . <sup>1</sup> VCU Health Systems, Richmond, VA; <sup>2</sup> University Health Network, Toronto, ON, Canada; <sup>3</sup> The Ohio State University, Columbus, OH; <sup>4</sup> Laurelton Heart Specialist PC, Rosedale, NY; <sup>5</sup> Piedmont Heart Institute, Athens, GA; <sup>6</sup> Ambry Genetics, Aliso Viego, CA; <sup>7</sup> Akcea Therapeutics, Boston, MA
240	Association Of Secondary Diagnosis Of HF With 90-day Mortality In Acutely Ill Patients	Marva Foster <sup>1</sup> , Haley Hunter-Zinck <sup>2,1,3</sup> , Jacob Joseph <sup>1,4</sup> . <sup>1</sup> VA Boston Healthcare System, Boston, MA; <sup>2</sup> University of California, Berkeley Institute for Data Science, Berkeley, CA; <sup>3</sup> University of California, Bakar Computational Health Sciences Institute, San Francisco, CA; <sup>4</sup> Brigham & Women's Hospital, Boston, MA
241	Dietary Supplementation Of Extra Virgin Olive Oil In Patients With Heart Failure With Preserved Ejection Fraction Is Associated With Increases In Cardiorespiratory Fitness	Hayley Ellis Billingsley <sup>1,2</sup> , Justin M. Canada <sup>2</sup> , Brando Rotelli <sup>2</sup> , Dinesh Kadariya <sup>2</sup> , Horacio Medina De Chaza <sup>2,3</sup> , Roshanak Markley <sup>2</sup> , Benjamin W. Van Tassell <sup>1,2</sup> , Antonio Abbate <sup>2</sup> , Salvatore Carbone <sup>1,2</sup> . <sup>1</sup> Virginia Commonwealth University, Richmond, VA; <sup>2</sup> Virginia Commonwealth University Health System, Richmond, VA; <sup>3</sup> Hospital Italiano, Buenos Aires, Argentina
242	Disparities In Implantable Ventricular Assist Device Utilization: Observation From Nationwide Inpatient Database	Bertrand F. Ebner, Jennifer Maning, Louis Vincent, Jelani Grant, Neal Olarte, Odunayo Olorunfemi, Rosario Colombo. Jackson Memorial Hospital, Miami, FL
243	Analysis Of Clinical Characteristics Of Patients With Heart Failure And Intracardiac Thrombosis	mei zhai, lang zhao, yunhong wang, yan huang, Chonghong zou, xuemei zhao, qiong zhou, yuhui zhang, jian zhang. Fuwai hospital, Beijing, China
<b>Management Strategies/Adherence/Self Care</b>		
244	Potential SCG Predictors Of Heart Failure Readmission	Richard Sandler <sup>1,2</sup> , Peshala Gamage <sup>1</sup> , Md Khushidul Azad <sup>1</sup> , Rajkumar Dhar <sup>1</sup> , Nirav Raval <sup>3</sup> , Robert Mentz <sup>4</sup> , Hansen Mansy <sup>1,2</sup> . <sup>1</sup> University of Central Florida, Orlando, FL; <sup>2</sup> Biomedical Acoustics Research Co, Orlando, FL; <sup>3</sup> Advent Health, Orlando, FL; <sup>4</sup> Duke University, Durham, NC
245	Non-invasive Assessment of Pulmonary Hypertension Using a Small Portable Device Measuring Cardiac Intervals: Design for Telemonitoring	John J. Lee <sup>1</sup> , Hernando Torres <sup>1</sup> , Daniela Urina <sup>1</sup> , Tarec Elajami <sup>1</sup> , Diego Pava <sup>2</sup> , Kaustubh Kale <sup>2</sup> , Esteban Escolar <sup>1</sup> . <sup>1</sup> Mount Sinai Medical Center, Miami Beach, FL; <sup>2</sup> Aventusoft, Boca Raton, FL

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246	Hemodynamic Monitoring Equally Reduces Heart Failure Hospitalizations In Women And Men In Clinical Practice: CardioMEMS Post-Approval Study	Ersilia M. DeFilippis <sup>1</sup> , Kelly Axsom <sup>1</sup> , John Henderson <sup>2</sup> , Maria Rosa Costanzo <sup>3</sup> , Philip B. Adamson <sup>2</sup> , Alan B. Miller <sup>4</sup> , Marie-Elena Brett <sup>2</sup> , Michael M. Givertz <sup>5</sup> . <sup>1</sup> Columbia University Irving Medical Center, New York, NY; <sup>2</sup> Abbott, Atlanta, GA; <sup>3</sup> Advocate Heart Institute, Naperville, IL; <sup>4</sup> University of Florida, Jacksonville, FL; <sup>5</sup> Brigham and Women's Hospital, Boston, MA
247	An Interactive Dialogue Agent To Assist African American And Hispanic/Latino Heart Failure Patients With Self-Care Needs	Itika Gupta, Devika Salunke, Barbara Di Eugenio, Paula G. Allen-Meares, Carolyn A. Dickens, Olga Garcia-Bedoya, Andrew D. Boyd. University of Illinois at Chicago, Chicago, IL
248	Computational And Mechanical Modeling Of SCG Signals	Richard H. Sandler <sup>1,2</sup> , Peshala Gamage <sup>1</sup> , Md Khushidul Azad <sup>1</sup> , Rajkumar Dhar <sup>1</sup> , Andrew Spiewak <sup>1</sup> , Nirav Y. Raval <sup>3</sup> , Robert J. Mentz <sup>4</sup> , Hansen Mansy <sup>1,2</sup> . <sup>1</sup> University of Central Florida, Orlando, FL; <sup>2</sup> Biomedical Acoustics Research Co, Orlando, FL; <sup>3</sup> Advent Health, Orlando, FL; <sup>4</sup> Duke University, Durham, NC
249	Data Science And Computational Linguistics On A Collection Of Interviews With Family Caregivers In Heart Failure	Soyoung Choi, Lisa Kitko, Judith E. Hupcey, Barbara Birriel, Suhang Wang. The Pennsylvania State University, University Park, PA
250	Development And Pilot Testing Of A Tailored Text Messaging Intervention To Improve Self-efficacy And Health Beliefs About Self-care In People With Heart Failure	Spyros Kitsiou <sup>1</sup> , Ben Gerber <sup>1</sup> , Susan Buchholz <sup>2</sup> , Mayank Kansal <sup>1</sup> , Jinsong Chen <sup>1</sup> , Lauren Nawrocki <sup>1</sup> , Jonathan Leigh <sup>1</sup> , Antonio Nieto <sup>1</sup> , Ayomide Owoyemi <sup>1</sup> , Susan Pressler <sup>3</sup> . <sup>1</sup> University of Illinois at Chicago, Chicago, IL; <sup>2</sup> Rush University, Chicago, IL; <sup>3</sup> Indiana University, Chicago, IL
251	A Novel Approach Using Remote Speech Analysis In Chronic Ambulatory Heart Failure Patients Allows Early Detection Of Clinical Decompensation Leading To Hospitalization	Offer Amir <sup>1</sup> , Tuvia Ben-Gal <sup>2</sup> , Jean Marc Weinstein <sup>3</sup> , Daniel Murninkas <sup>4</sup> , Zaza Iakobishvili <sup>4</sup> , Chaim Yosefy <sup>5</sup> , Michael Kleiner Shochat <sup>6</sup> , Robert Dragu <sup>7</sup> , Elisha Ouzan <sup>1</sup> , Zaher S. Azzam <sup>8</sup> , Chaim Lotan <sup>1</sup> , Elazer R. Edelman <sup>9,10</sup> , Stefan D. Anker <sup>11</sup> , Ilan D. Shallom <sup>12</sup> , Ronit Haviv <sup>12</sup> , Sean P. Pinney <sup>13</sup> , Daniel Burkhoff <sup>14</sup> , William T. Abraham <sup>15</sup> . <sup>1</sup> Hadassah University Medical Center, Jerusalem, Israel; <sup>2</sup> Rabin Medical Center, Petah-Tikva, Israel; <sup>3</sup> Soroka University Medical Centre, Beer Sheva, Israel; <sup>4</sup> Clalit Health Services, Bat-Yam, Israel; <sup>5</sup> Barzilai Medical Center, Ashkelon, Israel; <sup>6</sup> Hillel Yaffe Medical Center, Hadera, Israel; <sup>7</sup> Hagalil Medical Center, Naharia, Israel; <sup>8</sup> Rambam Medical Center, Haifa, Israel; <sup>9</sup> Institute for Medical Engineering and Science, MIT, Boston, MA; <sup>10</sup> Harvard Medical School, Boston, MA; <sup>11</sup> Charite University, Berlin, Germany; <sup>12</sup> Cordio Medical, Or-Yehuda, Israel; <sup>13</sup> University of Chicago, Chicago, IL; <sup>14</sup> Cardiovascular Research Foundation, New York, NY; <sup>15</sup> Ohio State University Hospital, Ohio, OH
252	Implications Of Post-Discharge Care Coordination On Survival And Healthcare Utilization For Hospitalized Heart Failure Patients	Varinder K. Randhawa, Kimberly D. Bischel, Alexander Milinovich, Christina Felix, Nicole Zimmerman, Jay L. Alberts, Randall C. Starling, Corinne Bott-Silverman, WH Wilson Tang, Antonio L. Perez. Cleveland Clinic Foundation, Cleveland, OH

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253	Self-care In Persons With Heart Failure And Diabetes Differs By Comorbidity Clusters	Sandra B. Dunbar <sup>1</sup> , Melinda K. Higgins <sup>1</sup> , Carolyn M. Reilly <sup>1</sup> , Rebecca A. Gary <sup>1</sup> , Javed Butler <sup>2</sup> . <sup>1</sup> Emory University, Atlanta, GA; <sup>2</sup> University of Mississippi, Jackson, MS
254	Levels Of Illness Uncertainty Vary By Heart Failure Symptom Cluster Group	Kristen A. Sethares, Jennifer Viveiros. University of Massachusetts Dartmouth, North Dartmouth, MA
255	Remote But Together: Live-video Group Exercise Via Zoom For Heart Failure Patients Has High Adherence And Satisfaction	Katherine Platz <sup>1</sup> , Soojung Ahn <sup>1</sup> , Gabriela Toledo <sup>1</sup> , Jennifer Miller <sup>2</sup> , Misook Chung <sup>2</sup> , Steven Malin <sup>1</sup> , Sula Mazimba <sup>1</sup> , Jill Howie Esquivel <sup>1</sup> . <sup>1</sup> University of Virginia, Charlottesville, VA; <sup>2</sup> University of Kentucky, Lexington, KY
256	Personalized Activated Technology With Heart Failure Disease Specific Functionality	Nawar Shara <sup>1</sup> , Selma Mohammed <sup>2</sup> , Margret Bjarnadottir <sup>3</sup> , Lida Anna Aperi <sup>3</sup> , Kelley M. Anderson <sup>4</sup> . <sup>1</sup> MedStar Health, Research Institute, Washington, DC; <sup>2</sup> MedStar, Washington Hospital Center, Washington, DC; <sup>3</sup> University of Maryland, College Park, MD; <sup>4</sup> Georgetown University, Washington, DC
258	Myocardial Recovery In Dilated Cardiomyopathy With Goal Directed Medical Therapy	Kelly C. McCants <sup>1</sup> , Bassil Bassil Alkhalil <sup>1</sup> , Cynthia Gardner <sup>1</sup> , Dana Dana Newhouse <sup>1</sup> , Kimberly Kimberly Vessels <sup>1</sup> , John Kennedy <sup>1</sup> , Sara Del Busto <sup>1</sup> , Haree Vongooru <sup>2</sup> , Amaninderapal S. Ghotra <sup>2</sup> . <sup>1</sup> Norton Healthcare, Louisville, KY; <sup>2</sup> St Elizabeth Healthcare, Edgewood, KY
259	Sacubitril/valsartan Initiation And Adherence Patterns Following Hospitalization For Heart Failure	Anthony P. Carnicelli <sup>1</sup> , Stephen Greene <sup>1</sup> , Steven Lippmann <sup>1</sup> , Robert J. Mentz <sup>1</sup> , Melissa Greiner <sup>1</sup> , Chantelle Hardy <sup>1</sup> , Bradley G. Hammill <sup>1</sup> , Xian Shen <sup>2</sup> , Clyde Yancy <sup>3</sup> , Pamela Peterson <sup>4</sup> , Larry A. Allen <sup>4</sup> , Gregg C. Fonarow <sup>5</sup> , Emily O'Brien <sup>1</sup> . <sup>1</sup> Duke Clinical Research Institute, Durham, NC; <sup>2</sup> Novartis, East Hanover, NJ; <sup>3</sup> Northwestern University, Chicago, IL; <sup>4</sup> University of Colorado School of Medicine, Denver, CO; <sup>5</sup> University of California at Los Angeles, Los Angeles, CA
260	Documenting Spatial Variation Of SCG Signals For Optimal Sensor Placement	Richard H. Sandler <sup>1,2</sup> , Md Khushidul Azad <sup>1</sup> , John D'Angelo <sup>1</sup> , Peshala Gamage <sup>1</sup> , Nirav Y. Raval <sup>3</sup> , Robert J. Mentz <sup>4</sup> , Hansen A. Mansy <sup>1,2</sup> . <sup>1</sup> University of Central Florida, Orlando, FL; <sup>2</sup> Biomedical Acoustics Research Company, Orlando, FL; <sup>3</sup> Advent Health, Orlando, FL; <sup>4</sup> Duke University, Durham, NC
262	<b>Influences Of Race And Sex On Self-Care For Persons With Heart Failure And Diabetes</b>	Erica N. Davis, RN, BSN, Sandra Dunbar, RN, PhD, FAAN, FAHA, FPCNA, Melinda Higgins, PhD. Emory University, Atlanta, GA
263	Quantitative Data Collection To Enhance Use Of A Heart Failure Self-care Application	Akachukwu Nwakoby <sup>1</sup> , Sahr Wali <sup>2</sup> , Dilani Wijesena <sup>1</sup> , Lawrence Mbuagbaw <sup>1</sup> , Catherine Demers <sup>1</sup> . <sup>1</sup> McMaster, Hamilton, ON, Canada; <sup>2</sup> U of T, Toronto, ON, Canada
264	Frequency Of Transition To Oral Loop Diuretics Prior To Discharge.	Tiffany Wu, Stephanie Dwyer Kaluzna, Robert J. DiDomenico. University of Illinois at Chicago, Chicago, IL
266	Respect The Notch: Under-appreciated Pulmonary Vascular Disease And Hemodynamic Collapse Post Left Ventricular Assist Device Placement	Anil Kumar Jonnalagadda, Ahmed S. Sadek, Abhishek Singh. Temple University Hospital, Philadelphia, PA
267	Patients Report Enhanced Control Over Their Heart Failure During Ambulatory Hemodynamic Monitoring	Lisa D. Rathman <sup>1</sup> , Samuel Sears <sup>2</sup> , Robert C. Bourge <sup>3</sup> , Akshay S. Desai <sup>4</sup> , J. Thomas Heywood <sup>5</sup> , John Henderson <sup>6</sup> , Philip B. Adamson <sup>6</sup> , Marie-Elena Brett <sup>7</sup> , Lynne W. Stevenson <sup>8</sup> . <sup>1</sup> Lancaster General Health/PENN Medicine,

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		Lancaster, PA; <sup>2</sup> East Carolina University, Greenville, NC; <sup>3</sup> University of Alabama at Birmingham, Birmingham, AL; <sup>4</sup> Brigham and Women's Hospital, Boston, MA; <sup>5</sup> Scripps Green Hospital, La Jolla, CA; <sup>6</sup> Abbott, Atlanta, GA; <sup>7</sup> Abbott, Boston, MA; <sup>8</sup> Vanderbilt University Medical Center, Nashville, TN
268	Oral Anticoagulation In Heart Failure With Atrial Fibrillation: Are We Taking The Right Steps Towards Guidelines?	Zainab Atiyah Dakhil <sup>1</sup> , Hasan Ali Farhan <sup>2</sup> , Hind Saeed Hasan <sup>3</sup> . <sup>1</sup> Baghdad University/ Al-Kindy college of Medicine, Baghdad, Iraq; <sup>2</sup> Iraqi Scientific Council of Cardiology Iraqi Board for Medical Specializations/ Baghdad/ Iraq, Baghdad, Iraq; <sup>3</sup> Medical City/ Baghdad Teaching Hospital, Baghdad, Iraq
269	Prevalence, Predictors And Prognostic Value Of Left Ventricular Reverse Remodeling And Relapse In Patients Hospitalized With Dilated Cardiomyopathy With Long-term Echocardiographic Follow-up	Chang Hong Zou, Jian Zhang. Fuwai Hospital, Chinese Academy of Medical Sciences, Beijing, China
270	Transvenous Phrenic Nerve Stimulation Impedance Decrease Prior To Haert Failure Hospitalization	Sitaramesh Emani <sup>1</sup> , Scott W. McKane <sup>2</sup> , Henrik Fox <sup>3</sup> . <sup>1</sup> The Ohio State University, Columbus, OH; <sup>2</sup> Respocardia, Inc., Minnetonka, MN; <sup>3</sup> Ruhr University Bochum, Bochum, Germany
271	Distractions When Viewing In-hospital Heart Failure Self-Care Videos And Change In Heart Failure Self-Care Knowledge	Jacqueline E. Nowlin <sup>1</sup> , Beverly Will <sup>2</sup> , James F. Bena <sup>3</sup> , Shannon L. Morrison <sup>4</sup> , Nancy M. Albert <sup>4</sup> . <sup>1</sup> Cleveland Clinic South Pointe, Warrensville Heights, OH; <sup>2</sup> Cleveland Clinic Avon, Avon, OH; <sup>3</sup> Cleveland Clinic South Pointe, Cleveland, OH; <sup>4</sup> Cleveland Clinic, Cleveland, OH
<b>Molecular Biology/Genetics/Cell Therapy</b>		
272	Neurofilament Light Chain May Serve As A Biomarker Of Neuropathy In Hattr Amyloidosis With Cardiomyopathy	Simina Ticau, Gautham Sridharan, Shira Tsour, William Cantley, Amy Chan, Jason A. Gilbert, David Erbe, John Vest, Kevin Fitzgerald, Akshay Vaishnav, Emre Aldinc, Paul Nioi. Alnylam Pharmaceuticals, Cambridge, MA
273	The V122I Variant In Hereditary Transthyretin-Mediated Amyloidosis Is Significantly Associated With Polyneuropathy	Margaret M. Parker <sup>1</sup> , Scott M. Damrauer <sup>2,3</sup> , Catherine Tcheandjieu <sup>4,5</sup> , David Erbe <sup>1</sup> , Emre Aldinc <sup>1</sup> , Philip N. Hawkins <sup>6</sup> , Julian Gillmore <sup>6</sup> , Leland E. Hull <sup>7,8</sup> , Julie A. Lynch <sup>9,10</sup> , Jacob Joseph <sup>11,12</sup> , Simina Ticau <sup>1</sup> , Alexander O. Flynn-Carroll <sup>1</sup> , Aimee M. Deaton <sup>1</sup> , Lucas D. Ward <sup>1</sup> , Themistocles L. Assimes <sup>4,5</sup> , Philip S. Tsao <sup>4,5</sup> , Kyong-Mi Chang <sup>2,3</sup> , Daniel J. Rader <sup>2</sup> , Kevin Fitzgerald <sup>1</sup> , Akshay K. Vaishnav <sup>1</sup> , Gregory Hinkle <sup>1</sup> , Paul Nioi <sup>1</sup> . <sup>1</sup> Alnylam Pharmaceuticals, Cambridge, MA; <sup>2</sup> University of Pennsylvania, Philadelphia, PA; <sup>3</sup> Corporal Michael J. Crescenz VA Medical Center, Philadelphia, PA; <sup>4</sup> VA Palo Alto Health Care System, Palo Alto, CA; <sup>5</sup> Stanford University School of Medicine, Stanford, CA; <sup>6</sup> Centre for Amyloidosis & Acute Phase Proteins, London, United Kingdom; <sup>7</sup> Edith Nourse Rogers Memorial Veterans Hospital, Bedford, MA; <sup>8</sup> Massachusetts General Hospital, Boston, MA; <sup>9</sup> VA Salt Lake City Health Care System, Salt Lake City, UT; <sup>10</sup> University of Massachusetts, Boston, MA; <sup>11</sup> VA Boston Healthcare System, Boston, MA; <sup>12</sup> Brigham and Women's Hospital and Harvard Medical School, Boston, MA

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274	Vitamin D Binding Protein As A Potential Biomarker For Heart Failure In Myocarditis: Translational Animal Model Reveals Mechanism	Katelyn A. Bruno <sup>1,2</sup> , Erika A. Douglass <sup>1,2</sup> , Gary Salomon <sup>1</sup> , Angita Jain <sup>1</sup> , Leslie T. Cooper <sup>1</sup> , Michael J. Coronado <sup>2</sup> , Richard R. Kew <sup>3</sup> , DeLisa Fairweather <sup>1,2</sup> . <sup>1</sup> Mayo Clinic, Jacksonville, FL; <sup>2</sup> Johns Hopkins Bloomberg School of Public Health, Baltimore, MD; <sup>3</sup> Stony Brook University, Stony Brook, NY
275	Asymptomatic Individuals With Family History Of Hereditary Transthyretin-Mediated Amyloidosis Can Be Detected Almost Two Decades Earlier Than Symptomatic Probands	Matteo Vatta <sup>1</sup> , Sachin Shah <sup>2</sup> , Tom Winder <sup>1</sup> , Robert Nussbaum <sup>1</sup> , Ana Morales <sup>1</sup> , Sara Bristow <sup>1</sup> , Rebecca Truty <sup>1</sup> , Tom Callis <sup>1</sup> , Ruthvik Malladi <sup>2</sup> , Barry Trachtenberg <sup>3</sup> . <sup>1</sup> Invitae Corp, San Francisco, CA; <sup>2</sup> Alnylam Pharmaceuticals, Inc, Cambridge, MA; <sup>3</sup> Houston Methodist Hospital, Houston, TX
276	A Phase I Study Of Allogeneic Mesenchymal Stem Cell Therapy In Patients With Heart Failure Secondary To Anthracycline-induced Cardiomyopathy: The Cctrn Stem Cell Injection In Cancer Survivors (Seneca) Trial	Roberto Bolli <sup>1</sup> , Emerson C. Perin <sup>2</sup> , James T. Willerson <sup>2</sup> , Phillip C. Yang <sup>3</sup> , Jay H. Traverse <sup>4</sup> , Timothy D. Henry <sup>5</sup> , Carl J. Pepine <sup>6</sup> , Raul D. Mitrani <sup>7</sup> , Joshua M. Hare <sup>7</sup> , Michael P. Murphy <sup>8</sup> , Joao A. Lima <sup>9</sup> , Adrian P. Gee <sup>10</sup> , Doris A. Taylor <sup>2</sup> , Dejian Lai <sup>11</sup> , Ray F. Ebert <sup>12</sup> , Barry R. Davis <sup>13</sup> , Robert D. Simari <sup>14</sup> . <sup>1</sup> University of Louisville, Louisville, KY; <sup>2</sup> Texas Heart Institute, Houston, TX; <sup>3</sup> Stanford University, Stanford, CA; <sup>4</sup> Minneapolis Heart Institute Foundation, Minneapolis, MN; <sup>5</sup> The Christ Hospital, Cincinnati, OH; <sup>6</sup> University of Florida, Gainesville, FL; <sup>7</sup> University of Miami, Miami, FL; <sup>8</sup> Indiana University, Indianapolis, IN; <sup>9</sup> Johns Hopkins University, Baltimore, MD; <sup>10</sup> Center for Cell and Gene Therapy, Houston, TX; <sup>11</sup> UTHealth School of Public Health, Houston, TX; <sup>12</sup> NIH, National Heart, Lung and Blood Institute, Bethesda, MD; <sup>13</sup> UTHealth School of Public Health, Houston, TX; <sup>14</sup> University of Kansas, Kansas City, KS
277	Unrelated Individuals Of Self-Reported White/Caucasian Ancestry With The P.Val142Ile (V122I) Variant Of Hereditary Transthyretin-Mediated Amyloidosis Are Phenotypically Similar To Those With Self-Reported Black/African-American Ancestry	Matteo Vatta <sup>1</sup> , Sachin Shah <sup>2</sup> , Tom Winder <sup>1</sup> , Robert Nussbaum <sup>1</sup> , Ana Morales <sup>1</sup> , Sara Bristow <sup>1</sup> , Rebecca Truty <sup>1</sup> , Tom Callis <sup>1</sup> , Ruthvik Malladi <sup>2</sup> , Barry Trachtenberg <sup>3</sup> . <sup>1</sup> Invitae Corp, San Francisco, CA; <sup>2</sup> Alnylam Pharmaceuticals, Inc, Cambridge, MA; <sup>3</sup> Houston Methodist Hospital, Houston, TX
278	Endothelial To Mesenchymal Transition And The Reverse Contributes To Heart Failure And Recovery Thereafter	Hernan G. Marcos-Abdala, Keith A. Youker, Guillermo Torre-Amione, Arvind Bhimaraj. Houston Methodist hospital, Houston, TX
<b>Performance Improvement Initiatives / Case Studies</b>		
279	Reengineering The Discharge Management Of Heart Failure Patients Discharged To Skilled Nursing Facilities Utilizing A Multidisciplinary Team Approach Reduces 30-day Readmission Rate.	Kris-Angelo Natividad <sup>1</sup> , Alexandra Spivak <sup>1</sup> , Norbert Moskovits <sup>1</sup> , Patricia Ursomanno <sup>1</sup> , Aleksandar Adzic <sup>1</sup> , Rivka Mintz <sup>1</sup> , Jeffrey Bander <sup>2,3</sup> , Jason Zimmerman <sup>4,1</sup> . <sup>1</sup> Maimonides Medical Center, Brooklyn, NY; <sup>2</sup> The Allure Group, Brooklyn, NY; <sup>3</sup> Mount Sinai West, New York, NY; <sup>4</sup> Boro Park Center, Brooklyn, NY
280	How Standardization Of Diagnosing And Treating Decompensated Heart Failure Affects Emergency Department And Hospital Length Of Stay Across A Large Healthcare System	Andrew Cheng, Daniel Ng, Antonio Christophy, Lauren Wolman, Norma Vernon, Ajay Srivastava. Scripps Clinic, San Diego, CA

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281	Successful Induction Of Drug Tolerance To Tafamidis For Cardiac Amyloidosis: First Reported Case	Samarthkumar Thakkar <sup>1</sup> , Mohammad Abu Sheikha <sup>1</sup> , Mary Staicu <sup>1</sup> , Syed Mustafa <sup>1</sup> , Scott C. Feitel <sup>2</sup> . <sup>1</sup> Rochester General Hospital, Rochester, NY; <sup>2</sup> Sands-Constellation Heart Institute, Rochester, NY
282	Concurrent Transthyretin Cardiac Amyloidosis And Light Chain Amyloidosis Of The Foregut	Bryan E-Xin Tan <sup>1</sup> , Samarthkumar Thakkar <sup>1</sup> , Vishal Parikh <sup>2</sup> . <sup>1</sup> Rochester General Hospital, Rochester, NY; <sup>2</sup> Sands Constellation Heart Institute, Rochester, NY
283	Anakinra Could Be A Glucocorticoid-sparing Alternative For Colchicine-intolerant/refractory Gout Flare In Acute Heart Failure; Case Series	Muhammad Hamza Saad Shaukat, Muhammad Asim Shabbir, Sukhraj Singh, Mikhail Torosoff, Ruben Peredo-Wende. Albany Medical College, Albany, NY
284	Tolerability And Effect Of Angiotensin Receptor Neprilysin Inhibitors In Adult Congenital Patients With Systemic Right Ventricle	Jonathan C. McCollum, Georges A. Ephrem, Maya E. Guglin, Roopa A. Rao. Indiana University, Indianapolis, IN
285	Improving Preparedness, Management, And Quality Of Care For Unresponsive Lvad Patients	Namit Rohant, Rebecca Kocak. University of South Carolina/Prisma Health, Columbia, SC
286	Treatment Of Acute Hemorrhagic Shock In A Jehovah'S Witness Patient With A Heartmate 3 Left Ventricular Assist Device	Elie Pierre Dib, Mojahed Shalabi, Amit Alam, Dan Meyer, Shelley Hall, Detlef Wencker. Baylor Scott and White, Dallas, TX
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288	When SLE Holds The Key To The Heart's Malady	Mrinali Shetty. University of Chicago (NorthShore), Evanston, IL
289	Nurse Coordinator Driven Anticoagulation Protocol Can Be A Reliable Tool To Safely Manage Inrs In Lvad Patients	Sarah Birk <sup>1</sup> , Amanda Ingemi <sup>2</sup> , Patricia Bourassa <sup>2</sup> , Karl Neumann <sup>2</sup> , Margaret Sullivan <sup>2</sup> , Amy Tarbay <sup>2</sup> , Carly Pine <sup>2</sup> , Kristina Louka <sup>2</sup> , Mindy Seigh <sup>2</sup> , Hannah Cassa <sup>2</sup> , Nicole Sellars <sup>2</sup> , Claudia Ford <sup>2</sup> , Julia Spruill <sup>2</sup> , Lauren Feeney <sup>2</sup> , Dede Mandara <sup>2</sup> , Edward Sawey <sup>2</sup> , Amit Badiye <sup>2</sup> , Wayne Old <sup>2</sup> , David Baran <sup>2,1</sup> , John Herre <sup>2,1</sup> , Amin Yehya <sup>2,1</sup> . <sup>1</sup> Eastern Virginia Medical School, Norfolk, VA; <sup>2</sup> Sentara Healthcare, Norfolk, VA
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292	Does Allosure Scoring Rise In The Setting Of Cytomegalovirus (cmv)? A Case Series	Sandra A. Carey, Aasim Afzal, Aayla Jamil, Shelley Hall. Baylor Scott and White HCS, Dallas, TX
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302	Impact Of Aggressive Transitional Care Strategies On Reducing Adverse Outcomes In Veterans Hospitalized For Acute Decompensated Heart Failure	Tyler N. Engel <sup>1</sup> , Magdalena Siodlak <sup>2</sup> , Peter Marogil <sup>2</sup> , Fauzia Osman <sup>1</sup> , David R. Murray <sup>1,2</sup> . <sup>1</sup> UW School of Medicine and Public Health, Madison, WI; <sup>2</sup> William S. Middleton Memorial Veterans Hospital, Madison, WI
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309	When Opportunity Strikes: A Case Of A 67-year-old With History Of Cardiac Transplant Developing New-onset Seizures	Christo T. Mathew <sup>1</sup> , Gregory P. Milligan <sup>2</sup> , Cesar Guerrero-Miranda <sup>2</sup> , Detlef Wencker <sup>2</sup> , Daniel Enter <sup>2</sup> , Katherine Thornton <sup>2</sup> , Aldo Rafael <sup>2</sup> , Amit Alam <sup>2</sup> , Shelley Hall <sup>2</sup> . <sup>1</sup> Texas A&M University College of Medicine, Bryan, TX; <sup>2</sup> Baylor University Medical Center, Dallas, TX



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325	Outpatient Cost-effectiveness Study Of Hyperkalemia Management	Nihar R. Desai <sup>1</sup> , Christopher G. Rowan <sup>2</sup> , Paula J. Alvarez <sup>3</sup> , Jeanene Fogli <sup>3</sup> , Steven Coca <sup>4</sup> . <sup>1</sup> Yale University, New Haven, CT; <sup>2</sup> COHRDATA, Santa Monica, CA; <sup>3</sup> Relypsa, Inc., a Vifor Pharma Group Company, Redwood City, CA; <sup>4</sup> Icahn School of Medicine at Mount Sinai, New York, NY
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328	Impact Of Central Sleep Apnea On The Cost Of Heart Failure Readmissions	Nihal Patel <sup>1</sup> , Kyle Porter <sup>1</sup> , Joshua Englert <sup>1</sup> , Rami Khayat <sup>2</sup> . <sup>1</sup> The Ohio State University, Columbus, OH; <sup>2</sup> The University of California Irvine, Orange, CA
329	Inpatient Hemodialysis In Non-ESRD Heart Failure Patients: Outcomes Insights From The 2016 - 2017 National Inpatient Database	Karol Quelal, Andrea Torres, Olakanmi Olagoke, Yasmeen Golzar. John H. Stroger, Jr. Hospital of Cook County, Chicago, IL
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331	Cost-effectiveness Analysis Of Early Blood Volume-Guided Management In Hospitalized Heart Failure Patients	John E. Strobeck <sup>1</sup> , Jonathan Feldschuh <sup>2</sup> , Brent A. Williams <sup>3</sup> , Wayne L. Miller <sup>4</sup> . <sup>1</sup> Heart-Lung Center, Hawthorne, NJ; <sup>2</sup> Daxor Corporation, New York, NY; <sup>3</sup> Geisinger Health, Danville, PA; <sup>4</sup> Mayo Clinic, Rochester, MN
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336	Bariatric Surgery In Advanced Heart Failure Patients As A Bridge To Advanced Therapies (b2b)	Babbaljeet Kaur, Safwan Gaznabi, Raul A. Garcia, Kathir Balakumaran, Yasir Abu-Omar, Michael Zacharias, Chantal E. Amm. Case Western Reserve University/ University Hospitals, Cleveland, OH
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338	Congestive Heart Failure Readmission And Guideline Based Therapy Rates Improvement At Safety Net Hospital Heart Health Center	Noah Silverstein <sup>1</sup> , Perry Wengrofsky <sup>2</sup> , Evan Botti <sup>2</sup> , Filip Oleszak <sup>2</sup> , Inna Bukharovich <sup>3</sup> . <sup>1</sup> SUNY Downstate Health Sciences University, College of Medicine, Brooklyn, NY; <sup>2</sup> SUNY Downstate Health Sciences University, University Hospital of Brooklyn, Brooklyn, NY; <sup>3</sup> NYC Health + Hospitals, Kings County, Brooklyn, NY
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346	Neighborhood Matters For Transitional Care And Heart Failure Hospital Readmission	Karen S. Distelhorst. Cleveland Clinic, Cleveland, OH
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349	Cause-Specific Mortality And Heart Failure Readmissions According To The HFA-PEFF Algorithm In Patients Hospitalized For Heart Failure With Preserved Ejection Fraction And Volume Overload	Frederik H. Verbrugge, Yogesh N. V. Reddy, Barry A. Borlaug. Mayo Clinic, Rochester, MN
350	Primary Palliative Care Of Adults With New Onset Heart Failure	Valerie Joy Smith <sup>1</sup> , Cheryl Westlake <sup>2</sup> . <sup>1</sup> Azusa Pacific University, Azusa, CA; <sup>2</sup> MemorialCare, Long Beach, CA
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352	Dying With A Destination Therapy Left Ventricular Assist Device: Perspectives, Perceptions, And Experiences Of Bereaved Caregivers And Clinicians	Sarah Chuzi, Kenzie A. Cameron, Adeboye Ogunseitán, Lauren Schulze, Kathleen L. Grady, Jane E. Wilcox. Northwestern University Feinberg School of Medicine, Chicago, IL

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359	Roadblocks For Patients With Heart Failure Navigating Clinicaltrials.gov	Zackary D. Goff <sup>1</sup> , R. Eric Heide <sup>2</sup> , Kelsey Grabeel <sup>2</sup> , Paul J. Hauptman <sup>2</sup> . <sup>1</sup> Johns Hopkins Hospital, Baltimore, MD; <sup>2</sup> University of Tennessee Graduate School of Medicine, Knoxville, TN
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362	Guideline-Directed Therapy In An Elderly Homebound Population Of Heart Failure Patients	Cloe June L. Chiong <sup>1,2</sup> , Alan B. Miller <sup>3</sup> . <sup>1</sup> University of North Carolina, Chapel Hill, Chapel Hill, NC; <sup>2</sup> MedEx Health Network, Inc, Redlands, CA; <sup>3</sup> University of Florida- Shands Jacksonville, Jacksonville, FL
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365	Shared Care Site To A Destination Therapy (dt) Left Ventricular Assist Device (lvad) Implant Site; A Novel Strategy To Start A Dt Lvad Program.	Yamama Hafeez <sup>1</sup> , Paul Burns <sup>1</sup> , Yoshi Toyoda <sup>2</sup> , Mark Moshaykhov <sup>1</sup> , Kulpreet Barn <sup>1</sup> , Joann Chichatti <sup>1</sup> , Abroo Muzafar <sup>1</sup> , Donal Haas <sup>3</sup> , Kevin Haagan <sup>3</sup> . <sup>1</sup> DHLC, Browns Mills, NJ; <sup>2</sup> TUHS, Philadelphia, PA; <sup>3</sup> Abington Memorial Hospital, Abington, PA
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367	Guideline-directed Medical Therapy May Not Be Harmful In Patients With Transthyretin Cardiac Amyloidosis And Heart Failure With Reduced Ejection Fraction	Charlene L. Rohm, Brian Howard, Baqir Lakhani, April Britt, Jordan Wilkie, David Snipelisky. Wellstar Kennestone Regional Medical Center, Marietta, GA
368	Effect Of Body Mass Index On Mortality In Patients With Heart Failure With Reduced Ejection Fraction Receiving Sacubitril/ Valsartan	Kazuhiko Kido <sup>1</sup> , Christopher Bianco <sup>2</sup> , Marco Caccamo <sup>2</sup> , George Sokos <sup>2</sup> . <sup>1</sup> West Virginia University, Morgantown, WV; <sup>2</sup> West Virginia University Medicine, Morgantown, WV
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390	Outcomes Of Septuagenarian And Octogenarian Females Hospitalized For Heart Failure With Preserved Ejection Fraction	Temitope Ajibawo <sup>1</sup> , Oluwatimilehin Okunowo <sup>2</sup> . <sup>1</sup> Brookdale University Hospital Medical Center, Brooklyn, New York, NY; <sup>2</sup> Children's Hospital of Philadelphia, Philadelphia, PA
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392	Late Right Heart Failure After Left Ventricular Assist Device Implantation: Characteristics, Predictors, And Outcomes	Fatimah A. Alkhunaizi <sup>1</sup> , Arune Gulati <sup>1</sup> , Rahat Muslem <sup>2</sup> , Ryan J. Tedford <sup>3</sup> , Chun W. Choi <sup>1</sup> , Ahmet Kilic <sup>1</sup> , Roberta Florido <sup>1</sup> , Nisha Gilotra <sup>1</sup> , Kavita Sharma <sup>1</sup> , Steven Hsu <sup>1</sup> . <sup>1</sup> Johns Hopkins Hospital, Baltimore, MD; <sup>2</sup> Erasmus MC University Medical Center, Rotterdam, Netherlands; <sup>3</sup> Medical University of South Carolina, Charleston, SC
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394	Intravenous Iron Or Red Blood Cell Supplementation And Risk Of Serious Infection In Left Ventricular Assist Device Patients.	Hasan K. Siddiqi <sup>1</sup> , Jefferson Vieira <sup>1</sup> , Michael Pfeffer <sup>2</sup> , Lara Coakley <sup>1</sup> , Garrick C. Stewart <sup>1</sup> , Hari R. Mallidi <sup>1</sup> , Michael M. Givertz <sup>1</sup> , Mandeep R.



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398	Donor Quality By UNOS Status After The 2018 Cardiac Transplantation Allocation System Change	Jessica Schultz <sup>1</sup> , Maria Masotti <sup>1</sup> , Sue Duval <sup>1</sup> , Ranjit John <sup>1</sup> , Tamas Alexy <sup>1</sup> , Cindy M. Martin <sup>1</sup> , Peter Eckman <sup>2</sup> , Andrew Shaffer <sup>1</sup> , Rebecca Cogswell <sup>1</sup> . <sup>1</sup> University of Minnesota, Minneapolis, MN; <sup>2</sup> Minneapolis Heart Institute, Minneapolis, MN
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402	Cardiopulmonary Exercise Metrics Demonstrate That CF-LVAD Patients Suffer From Residual Heart Failure	Maeveen Riordan, Ashley Pratt-Cordova, Jami Bennett, Jessica Byrd, Wendy Kohrt, Jay D. Pal, William K. Cornwell III. University of Colorado Anschutz Medical Campus, Aurora, CO

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405	Impact Of Tricuspid Valve Repair At The Time Of Left Ventricular Assist Device Implantation On In-hospital Mortality And Outcomes: Insight From The NIS Database	Jennifer Maning <sup>1</sup> , Bertrand Ebner <sup>1</sup> , Jelani Grant <sup>1</sup> , Louis Vincent <sup>1</sup> , Neal Olarte <sup>1</sup> , Odunayo Olorunfemi <sup>1</sup> , Sunita Mahabir <sup>1</sup> , Edgar Acuna <sup>1</sup> , Sandra Chaparro <sup>2</sup> , Rosario Colombo <sup>1</sup> . <sup>1</sup> Jackson Memorial Hospital - University of Miami, Miami, FL; <sup>2</sup> Miami Cardiac and Vascular Institute at Baptist Health South Florida, Miami, FL
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408	Trends In Triple-organ Transplantation	Umar A. Siddiqi, Pamela Combs, Talia Baker, Gene Kim, Yolanda Becker, Valluvan Jeevanandam. University of Chicago Medicine, Chicago, IL
409	Impact Of Left Ventricular Assist Device On Pulmonary Functions And Pulmonary Hemodynamics: A Meta-analysis	Waqas Ullah, Casey Meizinger, Sohaib Roomi, Rehan Saeed, Margot Boigon, Donald Haas, Eduardo Rame. Abington Jefferson Health, Abington, PA
410	Use Of LVAD In Left Ventricular Non-Compaction	Donald D. Chang <sup>1</sup> , Mona Bansal <sup>2</sup> , Yvonne Gilliland <sup>2</sup> , Aditya Bansal <sup>2</sup> . <sup>1</sup> The University of Queensland-Ochsner Clinical School, New Orleans, LA; <sup>2</sup> Ochsner Clinic Foundation, New Orleans, LA
411	Persistence Of Malnutrition During Mechanical Circulatory Support Remains Associated With Mortality	Sakthi Sundararajan, David Soma, David Ishizawar, David Joyce, Nicole Lohr, Ankur Segon, Nunzio Gaglianella. Medical College of Wisconsin, Milwaukee, WI
412	Longterm Survival On LVAD Support: Limitations Driven By Development Of Device Complications And End-Organ Dysfunction	Imad M. Hariri <sup>1</sup> , Todd Dardas <sup>2</sup> , Manreet Kanwar <sup>3</sup> , Rebecca Cogswell <sup>4</sup> , Igor Gosev <sup>5</sup> , Ezequiel Molina <sup>6</sup> , Susan L. Myers <sup>7</sup> , James K. Kirklin <sup>7</sup> , Palak Shah <sup>8</sup> , Francis D. Pagani <sup>9</sup> , Jennifer A. Cowger <sup>1</sup> . <sup>1</sup> Henry Ford Hospitals, Detroit, MI; <sup>2</sup> University of Washington, Seattle, WA; <sup>3</sup> Allegheny General Hospital, Pittsburgh, PA; <sup>4</sup> University of Minnesota, Minneapolis, MN; <sup>5</sup> University of Rochester Medical Center, Rochester, NY; <sup>6</sup> MedStar Heart and Vascular Institute/MedStar Washington Hospital Center, Washington, DC; <sup>7</sup> University of Alabama at Birmingham, Birmingham, AL; <sup>8</sup> Inova Heart and Vascular, Fairfax, VA; <sup>9</sup> University of Michigan Cardiovascular Center, Ann Arbor, MI
413	Hemodynamic Reserve Predicts Early Right Heart Failure After LVAD Implantation	Jacob M. Read <sup>1</sup> , Nnamdi Azih <sup>1</sup> , Mat Gregoski <sup>1</sup> , Nicole A. Pilch <sup>1</sup> , D. Allison Milling <sup>1</sup> , Steven Hsu <sup>2</sup> , Rebecca Cogswell <sup>3</sup> , Michael C. Viray <sup>1</sup> , Eric L. Bonno <sup>1</sup> , Michael L. Craig <sup>1</sup> , Gregory P. Jackson <sup>1</sup> , Brian A. Houston <sup>1</sup> , Ryan J. Tedford <sup>1</sup> . <sup>1</sup> Medical University of South Carolina, Charleston, SC; <sup>2</sup> John Hopkins School of Medicine, Baltimore, MD; <sup>3</sup> University of Minnesota, Minneapolis, MN

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414	Impact Of Laparoscopic Sleeve Gastrectomy On Medical Therapy Of LVAD Patients	Eric I. Jeng, Mohammad Al-Ani, Abdelrahman Elsayed, George Arnaoutakis, Juan Vilaro, Juan Aranda, Alex Parker, Yu Wu, Melissa R. Murray, Jeffrey Friedman, Mustafa M. Ahmed. University of Florida, Gainesville, FL
416	Women Have More Early Right Heart Failure But No Increase In Later Right Heart Failure After LVAD Implantation: An INTERMACS Analysis	Nirupama S. Vellanki, Kevin Kennedy, E Wilson Grandin, A Reshad Garan, Shweta R. Motiwala, Pablo Quintero, Jordan B. Strom, Loryn Feinberg, Lisa Fleming, Marwa A. Sabe. Beth Israel Deaconess Medical Center, Boston, MA
418	A Study Of Characteristics, Waitlist Mortality And Successful Heart Transplantation By Race In Contemporary Era	Naga Vaishnavi Gadela <sup>1</sup> , William Baker <sup>2</sup> , Ayesha Azmeen <sup>1</sup> , Jason Gluck <sup>2</sup> , Joseph Radojevic <sup>2</sup> , Sabeena Arora <sup>2</sup> , Jonathan Hammond <sup>2</sup> , Ayyaz Ali <sup>2</sup> , Douglas Jennings <sup>2</sup> , Abhishek Jaiswal <sup>2</sup> . <sup>1</sup> University of Connecticut, Farmington, CT; <sup>2</sup> Hartford Healthcare, Hartford, CT
419	Increasing Pretransplant Panel Reactive Antibodies Worsens Survival In A Contemporary Heart Transplantation Cohort	William L. Baker <sup>1</sup> , Douglas L. Jennings <sup>2</sup> , Naga V. Gadela <sup>3</sup> , Ayesha Azmeen <sup>3</sup> , Joseph Radojevic <sup>3</sup> , Jason Gluck <sup>3</sup> , Sabeena Arora <sup>3</sup> , Jonathan Hammond <sup>3</sup> , Ayyaz Ali <sup>3</sup> , Abhishek Jaiswal <sup>3</sup> . <sup>1</sup> University of Connecticut School of Pharmacy, Storrs, CT; <sup>2</sup> Long Island University, New York, NY; <sup>3</sup> Hartford Hospital, Hartford, CT
420	Unsupervised Machine Learning Of LGE Patterns On Cardiac MRI Identifies Patients At Risk For Right Ventricular Failure After LVAD	Julia M. Simkowski <sup>1</sup> , Ramsey M. Wehbe <sup>1</sup> , Jack Goergen <sup>1</sup> , Allen S. Anderson <sup>2</sup> , Kambiz Ghafourian <sup>1</sup> , Ike Okwuosa <sup>1</sup> , Esther E. Vorovich <sup>1</sup> , Faraz S. Ahmad <sup>1</sup> , Anjan Tibrewala <sup>1</sup> , Duc T. Pham <sup>1</sup> , Jane E. Wilcox <sup>1</sup> , Jonathan D. Rich <sup>1</sup> . <sup>1</sup> Northwestern University, Chicago, IL; <sup>2</sup> The University of Texas Health Center at San Antonio, San Antonio, TX
421	Sex Differences In Left Ventricular Assist Device-related Emergency Department Visits In The United States	Nosheen Reza <sup>1</sup> , Jonathan J. Edwards <sup>2</sup> , Hannah Katcoff <sup>2</sup> , Antara Mondal <sup>2</sup> , Heather Griffis <sup>2</sup> , Joseph W. Rossano <sup>2</sup> , Kimberly Y. Lin <sup>2</sup> , Anjali T. Owens <sup>1</sup> , Edo Y. Birati <sup>1</sup> , Jonathan B. Edelson <sup>2</sup> . <sup>1</sup> Hospital of the University of Pennsylvania, Philadelphia, PA; <sup>2</sup> The Children's Hospital of Philadelphia, Philadelphia, PA
422	Comparison Of Psychosocial Barriers To Advanced Heart Failure Therapies In Rural And Urban Patients	Whitney Wiley <sup>1</sup> , Sushmitha Divakar <sup>2</sup> , Philip Wilson <sup>2</sup> , Sarah Andrus <sup>3</sup> , Caitlin McGinnis <sup>4</sup> , JoAnn Lindenfeld <sup>4</sup> , Mark Wigger <sup>4</sup> , Lynne Stevenson <sup>4</sup> , Jonathan Menachem <sup>4</sup> , Douglas M. Brinkley <sup>4</sup> , Suzanne B. Sacks <sup>4</sup> , Henry Ooi <sup>4</sup> , Daniel Daunis <sup>4</sup> , Kelly Schlendorf <sup>4</sup> , Sandip Zalawadiya <sup>4</sup> , Lynn Punnoose <sup>4</sup> . <sup>1</sup> Cambridge Health Alliance, Cambridge, MA; <sup>2</sup> Vanderbilt University School of Medicine, Nashville, TN; <sup>3</sup> Ascension St. Vincent Hospital, Indianapolis, IN; <sup>4</sup> Vanderbilt University Medical Center, Nashville, TN
423	Mitral Regurgitation Severity After Continuous-Flow LVAD Implantation Was Not Associated With Adverse Long-Term Clinical Outcomes	Varinder K. Randhawa <sup>1</sup> , Weiqin Lin <sup>2</sup> , Marwa A. Sabe <sup>3</sup> , Jennifer A. Bullen <sup>1</sup> , Edward G. Soltész <sup>1</sup> , WH Wilson Tang <sup>1</sup> , Emer Joyce <sup>4</sup> , Jerry D. Estep <sup>1</sup> , Deborah Kwon <sup>1</sup> . <sup>1</sup> Cleveland Clinic Foundation, Cleveland, OH; <sup>2</sup> National University Heart Center, Singapore, Singapore; <sup>3</sup> Beth Israel Deaconess Medical Center, Boston, MA; <sup>4</sup> Mater Misericordiae University Hospital, Dublin, Ireland
424	Hypotensive Response On Cardiopulmonary Stress Test Predicts Elevated Pulmonary Capillary Wedge Pressure And Reduced Cardiac Output In Patients Undergoing Evaluation For Left Ventricular Assist Device	Valmiki Maharaj, Arianne Agdamag, Jonathan Edmiston, Victoria Charpentier, Jessica Schultz, Ranjit John, Andrew Shaffer, Sue Duval, Cindy

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425	Pre-operative Pulmonary Function And Association With Left Ventricular Assist Devices Outcomes	Anuj K. Chokshi <sup>1</sup> , Kambiz Ghafourian <sup>1</sup> , Hector E. Cajigas <sup>2</sup> , Rebecca Harap <sup>1</sup> , Tingqing Wu <sup>1</sup> , Faraz S. Ahmad <sup>1</sup> , Ike S. Okwuosa <sup>1</sup> , Anjan Tibrewala <sup>1</sup> , Esther Vorovich <sup>1</sup> , Jane Wilcox <sup>1</sup> , Amit Pawale <sup>1</sup> , Duc Thinh Pham <sup>1</sup> , Jonathan D. Rich <sup>1</sup> . <sup>1</sup> Northwestern University Feinberg School of Medicine, Chicago, IL; <sup>2</sup> Mayo Clinic, Rochester, MN
426	Multisensor Remote Monitoring For Heart Failure Exacerbations In Patients With Left Ventricular Assist Devices	Alexander G. Hajduczuk, Carly Maucione, Katharine Julian, Omaira Ali, Howard J. Eisen, John P. Boehmer. Penn State Hershey Medical Center, Hershey, PA
427	Incidence, Characteristics And Outcomes Of Cardiac Tamponade In Patients On Extracorporeal Membrane Oxygenation For The Treatment Of Refractory Cardiogenic Shock	Shehab AlAnsari <sup>1</sup> , Gauranga Mahalwar <sup>1</sup> , Muhammad Furqan <sup>1</sup> , David Warner <sup>2</sup> , WaiYan Soe <sup>1</sup> , Allan Klein <sup>1</sup> , Michael Tong <sup>1</sup> , WH Wilson Tang <sup>1</sup> . <sup>1</sup> Cleveland Clinic, CLEVELAND, OH; <sup>2</sup> Case Western Reserve University, Cleveland, OH
428	A Clinical Prediction Model For Normalization Of Pulmonary Vascular Resistance After Left Ventricular Assist Device Implantation	Gaurav Gulati, Robin Ruthazer, David Kent, Michael Kiernan. Tufts Medical Center, Boston, MA
429	Impact Of The 2018 Donor Heart Allocation System On Post Transplant Morbidity And Mortality	Lily K. Stern, Angela Velleca, Keith Nishihara, Adriana Shen, Michael Zaliznyak, Jignesh Patel, Danny Ramzy, Fardad Esmailian, Jon A. Kobashigawa, Michelle M. Kittleson. Cedars-Sinai Medical Center, Los Angeles, CA
430	A Novel Risk Score Predicts Early Right Ventricular Failure After Lvad: A Derivation-validation Multicenter Study	Naila Ijaz <sup>1</sup> , Iosif Taleb <sup>2</sup> , Christos P. Kyriakopoulos <sup>2</sup> , Zachary Demetris <sup>3</sup> , Adithya Peruri <sup>3</sup> , Tyler J. Richins <sup>2</sup> , Liz Dranow <sup>2</sup> , Daniel Tang <sup>1</sup> , Hassan Nemeh <sup>3</sup> , Josef Stehlik <sup>2</sup> , Antigone G. Koliopoulou <sup>2</sup> , Craig H. Selzman <sup>2</sup> , Rami Alharethi <sup>2</sup> , Jennifer Cowger <sup>3</sup> , Palak Shah <sup>1</sup> , Stavros G. Drakos <sup>2</sup> . <sup>1</sup> Inova Heart and Vascular Institute, Falls Church, VA; <sup>2</sup> U.T.A.H. Cardiac Transplant Program, Salt Lake City, UT; <sup>3</sup> Henry Ford Medical Center, Detroit, MI
431	Poor Functional Status Prior To Bridge-to-transplant Left Ventricular Assist Device Therapy Is Not Associated With Reduced Survival In Heart Transplant Recipients: Analysis Of The United Network For Organ Sharing (UNOS) Registry	Veraprapas Kittipibul <sup>1</sup> , Vanessa Blumer <sup>2</sup> , Gabriel A. Hernandez <sup>3</sup> , Sandra Chaparro <sup>4</sup> , Randall C. Starling <sup>5</sup> . <sup>1</sup> University of Miami, MIAMI, FL; <sup>2</sup> Duke University Medical Center, DURHAM, NC; <sup>3</sup> University of Mississippi Medical Center, Jackson, MS; <sup>4</sup> Baptist Health South Florida, MIAMI, FL; <sup>5</sup> Cleveland Clinic, Cleveland, OH
432	Clinical Outcomes After Weaning From Venoarterial-Extracorporeal Membrane Oxygenation: A Single Center Review	Neha V. Chandra, Jeffrey Hsu, Hilary Shapiro, Gabriel Vorobiof, Vadim Gudzenko, Sumit Singh, Peyman Benharash, Reza Ardehali. University of California Los Angeles, Los Angeles, CA
434	Differential Short-term Survival In Patients Bridged With Biventricular Devices Versus Extracorporeal Membrane Oxygenation In The Contemporary Era Of Heart Transplantation	William Baker <sup>1</sup> , Naga Vaishnavi Gadela <sup>2</sup> , Ayesha Azmeen <sup>2</sup> , Jason Gluck <sup>1</sup> , Joseph Radojevic <sup>1</sup> , Sabeena Arora <sup>1</sup> , Jonathan Hammond <sup>1</sup> , Ayyaz Ali <sup>1</sup> , Douglas Jennings <sup>1</sup> , Abhishek Jaiswal <sup>1</sup> . <sup>1</sup> Hartford Healthcare, Hartford, CT; <sup>2</sup> University of Connecticut, Farmington, CT

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435	Waitlist Mortality And Transplantation In Patients Bridged With Biventricular Devices And Extracorporeal Membrane Oxygenation In The Contemporary Era Of Heart Transplantation.	Abhishek Jaiswal <sup>1</sup> , Naga Vaishnavi Gadela <sup>2</sup> , Ayesha Azmeen <sup>2</sup> , Jason Gluck <sup>1</sup> , Joseph Radojevic <sup>1</sup> , Sabeena Arora <sup>1</sup> , Jonathan Hammond <sup>1</sup> , Ayyaz Ali <sup>1</sup> , Douglas Jennings <sup>1</sup> , William Baker <sup>1</sup> . <sup>1</sup> Hartford Healthcare, Hartford, CT; <sup>2</sup> University of Connecticut, Farmington, CT
436	Outcomes Of Restrictive Cardiomyopathy Following LVAD Placement: An IMACS Analysis	Chris Chaudhary, Michael Yaoyao Yin, Elizabeth Dranow, Stavros G. Drakos, Josef Stehlik, Edward M. Gilbert, Kevin S. Shah, Line Kemeyou, Omar Wever-Pinzon, Stephen H. McKellar, Craig H. Selzman, James C. Fang, Jose Nativi-Nicolau. University of Utah, Salt Lake City, UT
437	A Hybrid Heart Failure VAD Coordinator Model Decreases Burnout And Improves Work Quality Of Life	Lauren E. Meece, Sara Kolp, Mustafa M. Ahmed. University of Florida, Gainesville, FL
438	Survival After Heart Transplantation In Patients With Adriamycin Associated Cardiomyopathy - An Updated UNOS Analysis	Bhavadharini Ramu <sup>1</sup> , Maria Masotti <sup>2</sup> , Rebecca Cogswell <sup>2</sup> . <sup>1</sup> Medical University of South Carolina, Charleston, SC; <sup>2</sup> University of Minnesota, Minneapolis, MN
439	Initiation Of Sacubitril Valsartan In An Inotrope Dependent Patient	Hua Ling <sup>1</sup> , Ugochukwu Egolum <sup>2</sup> . <sup>1</sup> Philadelphia College of Osteopathic Medicine, Suwanee, GA; <sup>2</sup> The Heart Center of Northeast Georgia Medical Center, Gainesville, GA
440	The Need For Speed: A “Maverick” Approach Towards Optimizing Lvad Pump Speed By Focusing On Pressure-flow Relationships	Venkata Satish Pendela <sup>1</sup> , Medhat chowdhury <sup>1</sup> , V. Parikh <sup>2</sup> , S. Khodjaev <sup>2</sup> , P. Oates <sup>2</sup> , KL Schickling <sup>2</sup> , K. Wojciechowski <sup>2</sup> , A. Dvorak <sup>2</sup> , P. Kudravalli <sup>3</sup> , S. Park <sup>1</sup> , D. J. Prastein <sup>1</sup> , Scott Feitel <sup>2</sup> . <sup>1</sup> Rochester General Hospital, Rochester, NY; <sup>2</sup> Rochester Regional Health, Rochester, NY; <sup>3</sup> SUNY Upstate Medical University, Syracuse, NY
441	Right Atrial Strain By Echocardiography Is Associated With Survival After LVAD	Jack A. Goergen, Ramsey M. Wehbe, Julia M. Simkowski, Allen S. Anderson, Kambiz Ghafourian, Ike Okwuosa, Esther E. Vorovich, Faraz S. Ahmad, Anjan Tibrewala, Jane E. Wilcox, Duc T. Pham, Jonathan D. Rich. Northwestern University, Chicago, IL
443	Dialysis After Left Ventricular Assist Device Implantation	Annie Tsay, Lori Ober, Behzad Soleimani, Robert Dowling, Jordan Shouey, Omaira Ali, Thomas Scanlon, Robert Oblender, Howard Joel Eisen. Penn State/Hershey Medical Center, Hershey, PA
444	Predictors Are Lacking For Change In Kidney Function After Left Ventricular Assist Device Implantation	Nicholas Wettersten <sup>1</sup> , Michelle Estrella <sup>2</sup> , Michela Brambatti <sup>1</sup> , Yu Horiuchi <sup>1</sup> , Eric Adler <sup>1</sup> , Victor Pretorius <sup>1</sup> , Patrick T. Murray <sup>3</sup> , Michael Shlipak <sup>4</sup> , Joachim Ix <sup>1</sup> . <sup>1</sup> University of California, San Diego, La Jolla, CA; <sup>2</sup> San Francisco VA Health Care System, San Francisco, CA; <sup>3</sup> University College Dublin, Dublin, Ireland; <sup>4</sup> San Francisco VA Health Care System, San Francisco, CA
445	Use Of Rabbit Anti-thymocyte Globulin As A Renal Sparing Strategy: Outcomes From A Single Center	Jasjit Bhinder, Syed Adeel Ahsan, Syed Zaid, Parija Sharedalal, Chhaya Aggarwal-Gupta, Avi Levine, Stephen Pan, Alan Gass, Gregg M. Lanier. Westchester Medical Center, Valhalla, NY
446	Left Ventricular Assist Devices In Patients With Transposition Of The Great Arteries: Survival And Adverse Events	Shaundeep Sekhon, Eriberto Michel, Tingqing Wu, Rebecca Harap, Faraz S. Ahmad, Kambiz Ghafourian, Michael Monge, Amit Pawale, Duc T. Pham, Anjan Tibrewala, Jonathan D. Rich, Esther Vorovich, Jane Wilcox, Quentin R.

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		Youmans, Clyde W. Yancy, Ike S. Okwuosa. Northwestern University, Chicago, IL
447	Pulmonary Hypertension And Its Association With Cardiac Transplant Outcomes: Does PA Systolic Matter?	Alana D. Bryant <sup>1</sup> , Tingqing Wu <sup>2</sup> , Rebecca Harap <sup>2</sup> , Precious Akanyirige <sup>2</sup> , Ashley Ezema <sup>2</sup> , Kambiz Ghafourian <sup>2</sup> , Kamari Jackson <sup>2</sup> , Edwin Mandieka <sup>2</sup> , Ramael Ohiomoba <sup>2</sup> , Amit Pawale <sup>2</sup> , Duc T. Pham <sup>2</sup> , Quentin R. Youmans <sup>2</sup> , Ike S. Okwuosa <sup>2</sup> . <sup>1</sup> Meharry Medical College, Nashville, TN; <sup>2</sup> Northwestern University, Chicago, IL
448	Contemporary Trends And Predictors Of Utilization Of Percutaneous Ventricular Assist Devices In ST Elevation Myocardial Infarction Complicated By Cardiogenic Shock	Muhammad Z. khan, muhammad khan, muhammad Munir, Sudarshan Balla. west virginia, Morgantown, WV
450	Outcomes With Impella In Cardiogenic Shock	Franck Herve Azobou Tonleu, Melissa Lyle, Dustin Staloch, Lakshmi Sridharan, Kunal Bhatt, Alanna Morris, Michael Burke, Andrew Smith, Tamer Attia, John D. Vega, Mani Daneshmand, Wissam Jaber, Sonjoy Laskar. Emory University, Atlanta, GA
451	An Assessment Of Patient Selection For Impella Device Implantation In Cardiogenic Shock	Kaushik Amancherla, Gina Lazzara, Kelly Schlendorf, Jared O'Leary, Sandip Zalawadiya, JoAnn Lindenfeld, Jonathan N. Menachem. Vanderbilt University Medical Center, Nashville, TN
453	Impact Of Remote Pulmonary Artery Hemodynamic Monitoring System In Reducing Heart Failure Readmissions Among Patients With Heart Failure And Atrial Fibrillation	Smitha Narayana Gowda <sup>1</sup> , Jon Orvarsson <sup>1</sup> , Mason Blue <sup>1</sup> , Roman Pham <sup>1</sup> , Aditya Singh <sup>1</sup> , Ammar Abdullah <sup>1</sup> , Rakshya Sharma <sup>2</sup> , Mansi Oberoi <sup>1</sup> , Adam Stys <sup>1</sup> , Tom Stys <sup>1</sup> , Marian Petrasko <sup>1</sup> , Naveen Rajpurohit <sup>1</sup> , Valerie Bares <sup>1</sup> , Orvar Jonsson <sup>1</sup> . <sup>1</sup> University of South Dakota, Sioux Falls, SD; <sup>2</sup> University of South Dakota, Sioux falls, SD
454	Left Ventricular Assist Device Outcomes In Non English Speaking Patients	Abdelghani El Rafei, Jessica Schultz, Rebecca Cogswell. University of Minnesota, Minneapolis, MN
455	Walking The Tightrope: A Center's Experience With Simultaneous Heart-liver-kidney Transplantation	Umar A. Siddiqi, Pamela S. Combs, Gene Kim, Talia Baker, Yolanda Becker, Valluvan Jeevanandam. University of Chicago Medicine, Chicago, IL
456	HLA Matching In Cardiac Transplantation - Impact On Cardiac Allograft Vasculopathy, Rejection And Donor Specific Antibodies	Luise Holzhauser, Maneesh Misra, Tamari Miller, Sara Kalantari, Bryan Smith, Ann Nguyen, Bow Chung, Nitasha Sarswat, Gene Kim, Susana Marino, Jonathan Grinstein. University of Chicago, Chicago, IL
457	Effect Of Defibrillation On The Performance Of An Implantable Vagus Nerve Stimulation System	Imad Libbus, Mary Faltaous, Lorenzo DiCarlo. LivaNova, Houston, TX
458	Association Of Echocardiographic Parameters And Outcomes In Patients With Heart Failure With Reduced Ejection Fraction Who Have An Implantable Remote Pulmonary Artery Hemodynamic Monitoring System	Smitha Narayana Gowda <sup>1</sup> , Ammar Abdullah <sup>1</sup> , Rakshya Sharma <sup>2</sup> , Mansi Oberoi <sup>1</sup> , Max DeHaan <sup>1</sup> , Roman Pham <sup>1</sup> , Jon Orvarsson <sup>1</sup> , Mason Blue <sup>1</sup> , Adam Stys <sup>1</sup> , Tom Stys <sup>1</sup> , Marian Petrasko <sup>1</sup> , Naveen Rajpurohit <sup>1</sup> , Orvar Jonsson <sup>1</sup> . <sup>1</sup> University of South Dakota, Sioux Falls, SD; <sup>2</sup> University of South Dakota, Sioux falls, SD
459	Coronary Artery Vasospasm: A Under-recognized Phenomenon In Orthotopic Heart Transplant	Luis Hernandez, Hardik Bhansali, Nader Hanna, Kevin Leung, Nicholas Ghiloni, Diana Miranda Ruiz, Jose Sleiman, Eduardo Perez, Monica Segura, Cedric Sheffield, Jose Navia, Nicolas Brozzi, Robert Cubeddu, Mauricio

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460	Impact Of Therapy With Anti-Thymocyte Globulin In Heart Transplant Recipients On Acute Cellular Rejection And Readmission For Infection - A Single Center Retrospective Study	Parija H. Sharedalal, Jasjit Bhinder, Syed Ahsan, Syed Zaid, Stephen Pan, Avi Levine, Chhaya Aggarwal-Gupta, Alan Gass, Gregg M. Lanier. Westchester Medical Center, Valhalla, NY
461	Potential Use Of Non-invasive Remote Monitoring Of Electronically-measured S3 Heart Sounds For Heart Failure Management	Alexander G. Hajduczuk, John P. Boehmer. Penn State Hershey Medical Center, Hershey, PA
462	Transcaval TAVR On A LVAD Patient Presenting With Cardiogenic Shock	Angelos Karagiannis <sup>1</sup> , Melissa Lyle <sup>1</sup> , Melroy DSouza <sup>1</sup> , Bishoy Hanna <sup>2</sup> , Stephanie Wang <sup>1</sup> , Annie Ho <sup>1</sup> , Kunal Bhatt <sup>1</sup> , Adam Greenbaum <sup>1</sup> , Vasilis Babaliaros <sup>1</sup> , Divya Gupta <sup>1</sup> . <sup>1</sup> Emory University School of Medicine, Atlanta, GA; <sup>2</sup> Morehouse School of Medicine, Atlanta, GA
463	A Destination To Nowhere? Re-evaluating Candidacy For Mechanical Circulatory Support After Initial Rejection	Venkata Satish Pendela <sup>1</sup> , V. Parikh <sup>2</sup> , S. Khodjaev <sup>2</sup> , K. L. Schickling <sup>2</sup> , P. Oates <sup>2</sup> , K. Wojciechowski <sup>2</sup> , A. Dvorak <sup>2</sup> , S. Feitell <sup>2</sup> . <sup>1</sup> Rochester General Hospital, Rochester, NY; <sup>2</sup> Rochester Regional Health, Rochester, NY
464	Renal Outcomes Following Left Ventricular Assist Device Placement: A Single Center Experience	Ozan Unlu, Hector Sepulveda Alemany, Maria Pabon, Irina Sobol, Udhay Krishnan, Parag Goyal, Evelyn M. Horn, Farhan Raza, Maria G. Karas. NewYork-Presbyterian Hospital Weill Cornell Medical Center, New York, NY
465	Advanced Heart Failure In Adolescents: A Challenge For A Newly Established Program In The Middle East	Iman M. Hamour, Guirgis Gabra, Medhat Soliman, Richard Ferrer, Gurjyot Bajwa, Hussam Ghalib, Feras Bader. Cleveland Clinic Abu Dhabi, Abu Dhabi, United Arab Emirates
466	From Hip To Heart: Cobalt-induced Cardiomyopathy Requiring Cardiac Transplantation	Manavotam Singh <sup>1</sup> , Amre Ghazza <sup>2</sup> , Mrinalini Krishnan <sup>1</sup> , Ajay Kadakkal <sup>1</sup> , Mark Hofmeyer <sup>1</sup> , Phillip H. Lam <sup>1</sup> , Maria E. Rodrigo <sup>1</sup> , Hiroto Kitahara <sup>1</sup> , Marc K. Halushka <sup>3</sup> , Ezequiel J. Molina <sup>1</sup> , Samer S. Najjar <sup>1</sup> , Farooq H. Sheikh <sup>1</sup> . <sup>1</sup> MedStar Heart and Vascular Institute; MedStar Washington Hospital Center, Washington, DC; <sup>2</sup> MedStar Washington Hospital Center, Washington, DC; <sup>3</sup> Johns Hopkins University School of Medicine, Baltimore, MD
467	Mitra-clip In Transthyretin Amyloidosis Cardiomyopathy A Case Series	Sarah Cuddy, Sharmila Dorbala, Rodney Falk. Brigham and Women's Hospital, Boston, MA
468	Existing Non-cardiac Comorbidities Negatively Impact Quality Of Life Gains After Left Ventricular Assist Device Implant.	Dhrusti Patel, Anita A. Kelkar. Wake Forest School of Medicine, Winston-Salem, NC
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469	Sleeve Gastrectomy In Obese Patients With Vads: Readmissions, Metabolic, Functional, And Echocardiographic Parameters	Adrian daSilva-deAbreu <sup>1,2,3</sup> , Kiran Garikapati <sup>1</sup> , Bader Aldeen Alhafez <sup>4</sup> , Sapna Desai <sup>1,2</sup> , Clement Eiswirth <sup>1,2</sup> , Selim Krim <sup>1,2</sup> , Hamang Patel <sup>1,2</sup> , Hector O. Ventura <sup>1,2</sup> , Carl J. Lavie <sup>1,2</sup> , Juan F. Loro-Ferrer <sup>3</sup> , Stacy A. Mandras <sup>1,2</sup> . <sup>1</sup> The John Ochsner Heart and Vascular Institute, Ochsner Clinic Foundation, New Orleans, LA; <sup>2</sup> The UQ Ochsner Clinical School, Faculty of Medicine, The University of Queensland., New Orleans, LA; <sup>3</sup> Universidad de Las Palmas de

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470	Left Ventricular Assist Device Implantation During The Covid-19 Pandemic: Challenges And Considerations	Sanjana Bhatia-Patel, Carly Fabrizio, Fanjo Siric, Sourin Banerji. Christiana Care Health System, Bear, DE
471	Congestive Heart Failure Exacerbation Due To Flow Regurgitation Through A Perivalvular Abscess	Adam Combiths <sup>1</sup> , Arunima Misra <sup>1,2</sup> , Vijay Nambi <sup>1,2</sup> . <sup>1</sup> Baylor College of Medicine, Houston, TX; <sup>2</sup> Michael E. DeBakey VA Medical Center, Houston, TX
472	A Machine Learning Approach To Early Identification Of Acute Coronary Syndrome	Saarang Panchavati, Anurag Garikipati, Emily Pellegrini, Anna Lynn-Palevsky, Gina Barnes, Jana Hoffman, Jacob Calvert, Ritankar Das. Dascena, Inc., San Francisco, CA
474	Efficacy And Safety Of Mavacamten In Adults With Symptomatic Obstructive Hypertrophic Cardiomyopathy: Results Of The EXPLORER-HCM Study	Iacopo Olivotto <sup>1</sup> , Artur Oreziak <sup>2</sup> , Roberto Barriales-Villa <sup>3</sup> , Theodore P. Abraham <sup>4</sup> , Ahmad Masri <sup>5</sup> , Liang Fang <sup>6</sup> , Wanying Li <sup>6</sup> , Mondira Bhattacharya <sup>6</sup> , Jay M. Edelberg <sup>6</sup> , Amy J. Sehnert <sup>6</sup> , Cynthia Burstein Waldman <sup>7</sup> , Steven J. Lester <sup>8</sup> , Andrew Wang <sup>9</sup> , Carolyn Y. Ho <sup>10</sup> , Daniel Jacoby <sup>11</sup> . <sup>1</sup> Careggi University Hospital, Florence, Italy; <sup>2</sup> Institute of Cardiology, Warsaw, Poland; <sup>3</sup> Complejo Hospitalario Universitario, A Coruña, Spain; <sup>4</sup> University of California San Francisco, San Francisco, CA; <sup>5</sup> Oregon Health & Science University, Portland, OR; <sup>6</sup> MyoKardia, Inc., Brisbane, CA; <sup>7</sup> HCMBeat, Los Angeles, CA; <sup>8</sup> Mayo Clinic Arizona, Phoenix, AZ; <sup>9</sup> Duke University School of Medicine, Durham, NC; <sup>10</sup> Brigham and Women's Hospital, Boston, MA; <sup>11</sup> Yale University, New Haven, CT
475	Utility Of LACE Index And Center For Outcomes Research And Evaluation Readmission Risk Scores To Predict 30-day Readmissions In Veterans With Heart Failure	Fizza Hussain <sup>1</sup> , Nkiru Osude <sup>1</sup> , Joshua Newman <sup>1</sup> , Meghan O'Halloran <sup>2</sup> . <sup>1</sup> Loyola University Medical Center, Maywood, IL; <sup>2</sup> Edward Hines, Jr VA Hospital, Hines, IL
476	Does Watchman Implantation Increase Risk Of Heart Failure?	



## Late Breaking Clinical Trials

Poster #	Abstract Title	Abstract Author Block
<b>Late Breaking Clinical Trials</b>		
<b>LBCT-002</b>	Feasibility Of Virtual Optimization Of Guideline Directed Medical Therapy In Hospitalized Patients With HFREF During The Covid-19 Pandemic: The IMPLEMENT-HF Pilot Study	Ankeet S. Bhatt, Anubodh Varshney, Alea Moscone, Jonathan Cunningham, Karola Jering, Lauren Sinnenberg, Mahan Nekoui, Leo Buckley III, Brian Cook, Jillian Dempsey, Julie Kelly, Danielle Knowles, Kenneth Lupi, Rhynn Malloy, Lina Matta, Megan Rhoten, Emily Hinchey, Erin McElrath, Maryam Alobaidly, Mary Amato, Catherine Ulbricht, Clara Ting, Thomas Bernier, Niteesh Choudhry, Dale S. Adler, Muthiah Vaduganathan. Brigham and Women's Hospital, Boston, MA
<b>LBCT-003</b>	Impact Of Race On Clinical Outcomes After Heartmate 3 LVAD Implantation: An Analysis From The Momentum 3 Trial	Farooq H. Sheikh <sup>1</sup> , Ashwin Ravichandran <sup>2</sup> , Daniel J. Goldstein <sup>3</sup> , Nick Dirckx <sup>4</sup> , Abi Franke <sup>5</sup> , Mandeep R. Mehra <sup>6</sup> . <sup>1</sup> MedStar Washington Hospital Center, Washington, DC; <sup>2</sup> St. Vincent Heart Center, Westfield, IN; <sup>3</sup> Montefiore Medical Center, Bronx, NY; <sup>4</sup> Abbott, Plymouth, MN; <sup>5</sup> Abbott, Sylmar, CA; <sup>6</sup> Brigham and Women's Hospital, Boston, MA
<b>LBCT-004</b>	Qishen Yiqi Dripping Pills For Chronic Ischemic Heart Failure: Results Of The CACT-IHF Randomized Clinical Trial	Jingyuan Mao <sup>1</sup> , Jian Zhang <sup>2</sup> , Carolyn S.P. Lam <sup>3</sup> , Mingjun Zhu <sup>4</sup> , Chen Yao <sup>5</sup> , Shutao Chen <sup>6</sup> , Zhongyong Liu <sup>7</sup> , Fengrong Wang <sup>8</sup> , Yonggang Wang <sup>9</sup> , Xiaohua Dai <sup>10</sup> , Tianfu Niu <sup>11</sup> , Dongqing An <sup>12</sup> , Yang Miao <sup>13</sup> , Tao Xu <sup>14</sup> , Bo Dong <sup>15</sup> , Xiaofeng Ma <sup>16</sup> , Fengru Zhang <sup>17</sup> , Xiaolong Wang <sup>18</sup> , Ruihong Fan <sup>19</sup> , Yingqiang Zhao <sup>20</sup> , Tiemin Jiang <sup>21</sup> , Yuhui Zhang <sup>2</sup> , Xianliang Wang <sup>1</sup> , Yazhu Hou <sup>1</sup> , Zhiqiang Zhao <sup>1</sup> , Quan Su <sup>1</sup> , Junhua Zhang <sup>22</sup> , Baohe Wang <sup>20</sup> , Boli Zhang <sup>22</sup> . <sup>1</sup> First Teaching Hospital of Tianjin University of Traditional Chinese Medicine, Tianjin, China; <sup>2</sup> Fuwai Hospital of Chinese Academy of Medical Sciences, Beijing, China; <sup>3</sup> National Heart Centre Singapore and Duke-National University of Singapore; University Medical Centre Groningen, the Netherlands; The George Institute for Global Health, Australia., Singapore, Singapore; <sup>4</sup> The First Affiliated Hospital of Henan University of Traditional Chinese Medicine, Zhengzhou, China; <sup>5</sup> Peking University Clinical Research Institute, Beijing, China; <sup>6</sup> Tianjin Chest Hospital, Tianjin, China; <sup>7</sup> The Affiliated Hospital of Jiangxi University of Traditional Chinese Medicine, Nanchang, China; <sup>8</sup> The First Affiliated Hospital of Liaoning University of Traditional Chinese Medicine, Shenyang, China; <sup>9</sup> The Second Affiliated Hospital of Shaanxi University of Chinese Medicine, Xianyang, China; <sup>10</sup> The First Affiliated Hospital of Anhui University of Chinese Medicine, Hefei, China; <sup>11</sup> Shanxi Traditional Chinese Medical Hospital, Taiyuan, China; <sup>12</sup> Traditional Chinese Medical Hospital of Xinjiang Uygur Autonomous Region, Uygur Autonomous Region, China; <sup>13</sup> Xiyuan Hospital of China Academy of Chinese Medical Sciences, Beijing, China; <sup>14</sup> The Second

Poster #	Abstract Title	Abstract Author Block
		<p>Affiliated Hospital of Guiyang College of Traditional Chinese Medicine, Guiyang, China; <sup>15</sup>The Second Affiliated Hospital of Liaoning University of Traditional Chinese Medicine, Shenyang, China; <sup>16</sup>Affiliated Nanhua Hospital, University of South China, Hengyang, China; <sup>17</sup>Ruijin Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; <sup>18</sup>Shuguang Hospital of Shanghai University of Traditional Chinese Medicine, Shanghai, China; <sup>19</sup>Affiliated Hospital of Tianjin Academy of Traditional Chinese Medicine, Tianjin, China; <sup>20</sup>Second Teaching Hospital of Tianjin University of Traditional Chinese Medicine, Tianjin, China; <sup>21</sup>Affiliated Hospital of Logistics University of Chinese People's Armed Police Force, Tianjin, China; <sup>22</sup>Tianjin University of Traditional Chinese Medicine, Tianjin, China</p>
<b>LBCT-005</b>	Transvenous Phrenic Nerve Stimulation In Patients With Central Sleep Apnea: 5-Year Safety And Efficacy Results	<p>Maria Rosa Costanzo<sup>1</sup>, Piotr Ponikowski<sup>2</sup>, Olaf Oldenburg<sup>3</sup>, Shahrokh Javaheri<sup>4</sup>, Ralph Augostini<sup>5</sup>, Lee Goldberg<sup>6</sup>, Christoph Stellbrink<sup>7</sup>, Henrik Fox<sup>8</sup>, Scott McKane<sup>9</sup>, Timothy Meyer<sup>9</sup>, Robin Germany<sup>9</sup>, William T. Abraham<sup>5</sup>. <sup>1</sup>Advocate Heart Institute, Naperville, IL; <sup>2</sup>Wroclaw Medical University, Wroclaw, Poland; <sup>3</sup>Ludgerus-Kliniken Münster, Münster, Germany; <sup>4</sup>Bethesda North Hospital, Cincinnati, OH; <sup>5</sup>The Ohio State University, Columbus, OH; <sup>6</sup>University of Pennsylvania, Philadelphia, PA; <sup>7</sup>Bielefeld Medical Center, Bielefeld, Germany; <sup>8</sup>Ruhr-Universität Bochum, Bad Oeynhausen, Germany; <sup>9</sup>Respicardia, Minnetonka, MN</p>
<b>LBCT-006</b>	The Use Of Sacubitril Valsartan Modifies The Indication Of Cardiac Implantable Devices	<p>Laia Carla Belarte-Tornero, Diana Mojón Álvarez, Eduard Sole-Gonzalez, Sonia Ruiz Bustillo, Sandra Valdivielso More, Alicia Calvo, Nuria Farré-López. Hospital del Mar, Barcelona, Spain</p>
<b>LBCT-007</b>	Non-participation In A Heart Failure Clinical Trial: Perspectives And Opportunities From The VICTORIA Trial And Simultaneous Registry	<p>Justin Ezekowitz<sup>1</sup>, Robert J. Mentz<sup>2</sup>, Cynthia M. Westerhout<sup>1</sup>, Nancy K. Sweitzer<sup>3</sup>, Michael M. Givertz<sup>4</sup>, Ileana L. Pina<sup>5</sup>, Christopher M. O'Connor<sup>6</sup>, Stephen J. Greene<sup>2</sup>, Joerg Koglin<sup>7</sup>, Lothar Roessig<sup>8</sup>, Adrian F. Hernandez<sup>2</sup>, Paul W. Armstrong<sup>1</sup>. <sup>1</sup>CVC, Univ of Alberta, Edmonton, AB, Canada; <sup>2</sup>DCRI, Durham, NC; <sup>3</sup>Univ of Arizona, Tucson, AZ; <sup>4</sup>Brigham and Women's Hospital, Boston, MA; <sup>5</sup>Wayne State Univ, Detroit, MI; <sup>6</sup>Inova Heart &amp; Vascular Institute, Falls Church, VA; <sup>7</sup>Merck &amp; Co, Inc., Kenilworth, NJ; <sup>8</sup>Bayer AG, Wuppertal, Germany</p>
<b>LBCT-009</b>	Medical Therapy During Hospitalization For Heart Failure With Reduced Ejection Fraction: Results From The Victoria Registry	<p>Robert J. Mentz<sup>1</sup>, Stephen Greene<sup>1</sup>, Justin Ezekowitz<sup>2</sup>, Kevin J. Anstrom<sup>1</sup>, Vladimir Demyanenko<sup>1</sup>, Nancy K. Sweitzer<sup>3</sup>, Michael M. Givertz<sup>4</sup>, Ileana L. Piña<sup>5</sup>, Christopher M. O'Connor<sup>6</sup>, Joerg Koglin<sup>7</sup>, Lothar Roessig<sup>8</sup>, Adrian F. Hernandez<sup>1</sup>, Paul W. Armstrong<sup>2</sup>. <sup>1</sup>Duke Clinical Research Institute, Durham, NC; <sup>2</sup>Canadian VIGOUR Centre, Edmonton, AB, Canada; <sup>3</sup>University of Arizona, Tucson, AZ; <sup>4</sup>Brigham &amp; Women's Hospital, Boston, MA; <sup>5</sup>Wayne</p>

Poster #	Abstract Title	Abstract Author Block
		State University, Detroit, MI; <sup>6</sup> Inova Heart & Vascular Institute, Falls Church, VA; <sup>7</sup> Merck & Co. Inc., Kenilworth, NJ; <sup>8</sup> Bayer, Wuppertal, Germany
<b>LBCT-010</b>	A Randomized, Double-blind, Placebo-controlled, Cross-over Phase 2 Study Of Intravenous Infusions Of BMS-986231 In Patients With Heart Failure And Impaired Systolic Function (StandUP-Kidney)	Pierpaolo Pellicori <sup>1,2</sup> , John G. F. Cleland <sup>1,2</sup> , G. Michael Felker <sup>3,4</sup> . <sup>1</sup> University of Glasgow, Glasgow, United Kingdom; <sup>2</sup> Robertson Centre for Biostatistics, Glasgow, United Kingdom; <sup>3</sup> Duke Clinical Research Institute (DCRI), Durham, NC; <sup>4</sup> Duke University School of Medicine, Durham, NC
<b>LBCT-012</b>	Prevalence And Characteristics Of Transthyretin Amyloid Cardiomyopathy In Patients With Left Ventricular Hypertrophy: Interim Results Of The TTRACK Study	Roberto Barriales-Villa <sup>1</sup> , Francesco Cappelli <sup>2</sup> , Gregor Zemljic <sup>3</sup> , Gerhard Pöelzl <sup>4</sup> , Valeria Loiacono <sup>5</sup> , Carmen Munteanu <sup>5</sup> , Catherine Saez <sup>5</sup> , Pablo Mallaina <sup>5</sup> . <sup>1</sup> Complejo Hosp. Univ. A Coruña, A Coruña, Spain; <sup>2</sup> Careggi Univ. Hosp, Florence, Italy; <sup>3</sup> Univ. Med. Centre Ljubljana, Ljubljana, Slovenia; <sup>4</sup> Innsbruck Med. Univ, Innsbruck, Austria; <sup>5</sup> Pfizer, New York, NY
<b>LBCT-013</b>	Elevated Pro-BNP Level In Admitted Patients With Covid-19 Virus Infection - Period March-may 2020	Miguel A. Rodriguez Guerra, Niel Shah, Sameer Kandhi, Madhav Sharma, Zaheer Qureshi, Harjot Jagdey, Syeda Salman, Mayank Yadav, Timothy Vittorio. BronxCare Health System, Bronx, NY
<b>LBCT-015</b>	Transthyretin Cardiac Amyloidosis: Patient Characteristics In Our Region	Sonia Ruiz Bustillo, Jose María Moreno Coca, Sandra Valdivielso More, Eduard Sole Gonzalez, Laia Carla Belarte Tornero, Mireia Ble Gimeno, Nuria Farre López. Hospital del Mar, Barcelona, Spain
<b>LBCT-016</b>	Patients Hospitalized With Heart Failure With Worsening Renal Function And Persistent Congestion Are At High Risk For Adverse Outcomes Despite Extensive Diuresis	Lauren Cooper <sup>1</sup> , Adam DeVore <sup>2</sup> , Jennifer Cowger <sup>3</sup> , David Baran <sup>4</sup> , Sean Pinney <sup>5</sup> , Tara Burt <sup>6</sup> , Keith Aaronson <sup>7</sup> , Tony Walton <sup>8</sup> , Palak Shah <sup>1</sup> . <sup>1</sup> Inova Heart & Vascular Institute, Falls Church, VA; <sup>2</sup> Duke University, Durham, NC; <sup>3</sup> Henry Ford, Detroit, MI; <sup>4</sup> Sentara, Norfolk, VA; <sup>5</sup> University of Chicago, Chicago, IL; <sup>6</sup> Procyon, Houston, TX; <sup>7</sup> University of Michigan, Ann Arbor, MI; <sup>8</sup> The Alfred Hospital, Melbourne, Australia
<b>LBCT-017</b>	Effect Of Bmi On The Prognosis Of Heart Failure With Mid-range Ejection	Yan Xue Lang, Yao Zhang. The 2nd affiliated hospital of Harbin Medical University, Harbin, China
<b>LBCT-018</b>	The Diagnostic Value Of Gdf-15 For Myocardial Involvement In Idiopathic Inflammatory Myopathy	Mengqian Qiu <sup>1</sup> , Xiaoxuan Sun <sup>2</sup> , Fengyun Lu <sup>2</sup> , Qiang Wang <sup>2</sup> , Lei Zhou <sup>2</sup> . <sup>1</sup> Nanjing Medical University, Nanjing, China; <sup>2</sup> the First Affiliated Hospital of Nanjing Medical University, Nanjing, China
<b>LBCT-019</b>	Cardiac Troponin T Is Associated With Subclinical Myocardial Involvement In Patients With Idiopathic Inflammatory Myopathies	Qianhao Xu <sup>1</sup> , Qiang Wang <sup>2</sup> , Xiaoxuan Sun <sup>2</sup> . <sup>1</sup> Nanjing Medical University, Nanjing, China; <sup>2</sup> The First Affiliated Hospital of Nanjing Medical University, Nanjing, China
<b>LBCT-020</b>	Reds Monitoring In Conjunction With Multifaceted Team Reduces Readmission From Skilled Nursing Facilities	Azam Hadi, Michaelle Callihan, Alison Neal, Srinivas Murali. Allegheny, Pittsburgh, PA
<b>LBCT-023</b>	Presence Of Risk Factors For Atrial Fibrillation In Patients Admitted At The Bronxcare Health System In The Period 2005-2019, A Retrospective Analysis	Miguel A. Rodriguez Guerra, Mayank Yadav, Sameer Kandhi, Madhav Sharma, Timothy Vittorio. BronxCare Health System, Bronx, NY
<b>LBCT-025</b>	Beta Agonist Therapy For Obstructive Airways Disease In Patients With Atrial Fibrillation	Miguel A. Rodriguez Guerra, Mayank Yadav, Sameer Kandhi, Madhav Sharma, Timothy Vittorio. BronxCare Health System, Bronx, NY

<b>Poster #</b>	<b>Abstract Title</b>	<b>Abstract Author Block</b>
<b>LBCT-026</b>	Role Of Soluble Suppression Of Tumorigenicity 2 In Screening For Cardiac Fibrosis In Dermatomyositis Patients Based On Cardiac Magnetic Resonance Parameters	Xiaoxuan Sun, Lei Zhou, Yinsu Zhu, Qiang Wang. The First Affiliated Hospital of Nanjing Medical University, Nanjing, China
<b>LBCT-027</b>	A Novel Echocardiographic Strain Technique Utilizing Myocardial Work To Generate Pressure Volume Curves Noninvasively And Characterize Aortic Regurgitation	Siu-Hin Wan, Hector R. Villarraga. Mayo Clinic, Rochester, MN
<b>LBCT-028</b>	Stratification Of The Heart Failure Patients With Atrial Fibrillation	Miguel A. Rodriguez Guerra, Mayank Yadav, Sameer Kandhi, Madhav Sharma, Timothy Vittorio. BronxCare Health System, Bronx, NY
<b>LBCT-030</b>	Different Clinical Characteristics Of Heart Failure With Mid-range Ejection Fraction And Heart Failure With Preserved Ejection Fraction In Northern Chinese Population	Liu Sun, Yao Zhang. the 2nd Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang, China

## Encore Presentations

Poster #	Abstract Title	Abstract Author Block
<b>Encore Presentations</b>		
<b>ENC-001</b>	Efficacy Of Long-Acting Octreotide In Left Ventricular Assist Device Patients With Recurrent Gastrointestinal Bleeding	Tyler Wilson, David Baran, John Herre, Chad Cameron, Wayne Old, Amit Badiye, Edward Sawey, Amin Yehya, Amanda Ingemi. Sentara Healthcare, Norfolk, VA
<b>ENC-002</b>	Effectiveness And Safety Of Empagliflozin In Routine Care Patients: Interim Results From The Empagliflozin Comparative Effectiveness And Safety (EMPRISE) Study	Elisabetta Patorno, Ajinkya Pawar, Lily Besette, Jessica Franklin, Mehdi Najafzadeh, Deborah Wexler, Anouk Déruaz-Luyet, Kimberly Brodovicz, Sebastian Schneeweiss. Brigham and Women's hospital, Boston, MA
<b>ENC-003</b>	Worsening HF Episodes Outside A Hospital Setting In Heart Failure With Preserved Ejection Fraction: The PARAGON-HF Trial	Muthiah Vaduganathan <sup>1</sup> , Jonathan W. Cunningham <sup>1</sup> , Brian L. Claggett <sup>1</sup> , Finnian R. McCausland <sup>1</sup> , Ebrahim Barkoudah <sup>1</sup> , Peter Finn <sup>1</sup> , Faiez Zannad <sup>2</sup> , Marc A. Pfeffer <sup>1</sup> , Adel Rizkala <sup>3</sup> , Shalini Sabarwal <sup>3</sup> , John J. V. McMurray <sup>4</sup> , Scott D. Solomon <sup>1</sup> , Akshay S. Desai <sup>1</sup> . <sup>1</sup> Brigham and Women's Hospital, Boston, MA; <sup>2</sup> Université de Lorraine, Nancy, France; <sup>3</sup> Novartis Pharmaceuticals, East Hanover, NJ; <sup>4</sup> University of Glasgow, Glasgow, United Kingdom
<b>ENC-004</b>	Initial Experience Of A Heart Failure Disease Management Clinic During The Covid-19 Era	Kimberly Cuomo, Kathryn Menzel, Abby Hubbard, Sarah Riley, Priya Umapathi, Erica Sauer, Falisha Fitts, Nisha Gilotra. Johns Hopkins, Baltimore, MD

## Clinical Trial Row

Poster #	Trial Name	Acronym	Sponsor	Company Providing Financial Support
<b>Clinical Trial Row</b>				
<b>CTR-001</b>	Furoscix Real-World Evaluation for Decreasing Hospital Admissions in Heart Failure	FREEDOM-HF	scPharmaceuticals	scPharmaceuticals
<b>CTR-002</b>	Avoiding Treatment in the Hospital with Furoscix for the Management of Congestion in Heart Failure - A Pilot Study	AT HOME-HF PILOT	scPharmaceuticals	scPharmaceuticals
<b>CTR-003</b>	A Phase 3 Global, Double-Blind, Randomized, Placebo Controlled Study to Evaluate the Efficacy and Safety of ION-682884 in Patients with Transthyretin- Mediated Amyloid Cardiomyopathy (ATTR-CM)	CARDIO-TTRansform	Ionis Pharmaceuticals/Akcea Therapeutics	Ionis Pharmaceuticals
<b>CTR-004</b>	A Prospective, Multi-Center, Randomized, Controlled, Single Blind Clinical Trial Evaluating the Safety and Efficacy of the Cordella™ Pulmonary Artery Sensor System in New York Heart Association (NYHA) Class III Heart Failure Patients	PROACTIVE-HF	Endotronix, Inc.	Endotronix, Inc.
<b>CTR-005</b>	Gene Therapy for Male Patients with Danon Disease using RP-A501; AAV9.LAMP2B		Rocket Pharmaceuticals	
<b>CTR-006</b>	REducing Lung Congestion Symptoms Using the v-wave Shunt in adVandED Heart Failure	RELIEVE-HF	W-Wave Ltd	W-Wave Ltd
<b>CTR-007</b>	CArdiovascular and REnal Treatment Implementation in Heart Failure Patients with HyperKalemia or at risk of Hyperkalemia – rationale and design	CARE HK in HF	Vifor Fresenius Medical Care Renal Pharma Ltd	Vifor Fresenius Medical Care Renal Pharma Ltd
<b>CTR-008</b>	Endovascular Ablation of the Right Greater Splanchnic Nerve in Subjects Having Heart Failure with Preserved Ejection Fraction: The REBALANCE HF Study	REBALANCE HF	Axon Therapies	Axon Therapies
<b>CTR-009</b>	Registrational Study With Omecamtiv Mecarbil to Treat Chronic Heart Failure With Reduced Ejection Fraction	Global Approach to Lowering Adverse Cardiac Outcomes Through Improving Contractility in Heart Failure (GALACTIC-HF)	Amgen, Cytokinetics, Servier	Amgen
<b>CTR-010</b>	Randomized Controlled Trial of Autologous Bone Marrow Mononuclear Cells Using the CardiAMP Cell Therapy system in Patients with Post-AMI Heart Failure	CardiAMP Heart Failure Trial	BioCardia, Inc.	