Editorial

Worsening Renal Function and Mortality in Heart Failure: Causality or Confounding?
Jeffrey M. Testani, MD, MTR; Meredith A. Brisco-Bacak, MD, MSCE .............................. e003835

Original Articles

Serum Chloride and Sodium Interplay in Patients With Acute Myocardial Infarction and Heart Failure With Reduced Ejection Fraction: An Analysis From the High-Risk Myocardial Infarction Database Initiative
João Pedro Ferreira, MD, PhD; Nicolas Girerd, MD, PhD; Kevin Duarte, MSc; Stefano Coiro, MD; John J. V. McMurray, MD, PhD; Henry J. Dargie, MD, PhD; Bertram Pitt, MD; Kenneth Dickstein, MD, PhD; Jeffrey M. Testani, MD, PhD; Faiez Zannad, MD, PhD; Patrick Rossignol, MD, PhD; for the High-Risk Myocardial Infarction Database Initiative Investigators ................................................. e003500

Ideal Cardiovascular Health, Cardiovascular Remodeling, and Heart Failure in Blacks: The Jackson Heart Study
Aferdita Spahillari, MD; Sameera Talegawkar, PhD; Adolfo Correa, MD, PhD; J. Jeffrey Carr, MD; James G. Terry, MS; João Lima, MD; Jane E. Freedman, MD; Saumya Das, MD; Robb Kociol, MD; Sarah de Ferranti, MD; Donya Mohebali, MD; Stanford Mwasongwe, MPH; Katherine L. Tucker, PhD; Venkatesh L. Murthy, MD, PhD; Ravi V. Shah, MD ......................................................... e003682

Aortic Waveform Analysis to Individualize Treatment in Heart Failure
Peter Wohlffahrt, MD; Vojtech Melenovsky, MD, PhD; Margaret M. Redfield, MD; Thomas P. Olson, PhD; Grace Lin, MD; Sahar S. Abdelmoneim, MD; Bernhard Hametner, Dr Sci; Siegfried Wassertheurer, Dr Sci; Barry A. Borlaug, MD ............................................................. e003516

Impact of Ultrafiltration on Serum Sodium Homeostasis and its Clinical Implication in Patients With Acute Heart Failure, Congestion, and Worsening Renal Function
Takeshi Kitai, MD, PhD; Justin L. Grodin, MD, MPH; Yong-Hyun Kim, MD, PhD; W.H. Wilson Tang, MD .............................................. e003603

Renin–Angiotensin System Inhibition, Worsening Renal Function, and Outcome in Heart Failure Patients With Reduced and Preserved Ejection Fraction: A Meta-Analysis of Published Study Data
Iris Eline Beldhuis, BSc; Koen W. Streng, MD; Jozine M. Ter Maaten, MD, PhD; Adriaan A. Voors, MD, PhD; Peter van der Meer, MD, PhD; Patrick Rossignol, MD, PhD; John J.V. McMurray, MD; Kevin Danman, MD, PhD ............................................................... e003588

Differences in Presentation and Outcomes Between Children With Familial Dilated Cardiomyopathy and Children With Idiopathic Dilated Cardiomyopathy: A Report From the Pediatric Cardiomyopathy Registry Study Group
Paolo Rusconi, MD; James D. Wilkinson, MD, MPH; Lynn A. Sleeper, ScD; Minmin Lu, MS; Gerald F. Cox, MD, PhD; Jeffrey A. Towsbin, MD; Steven D. Colan, MD; Steven A. Webber, MBChB; Charles E. Canter, MD; Stephanie M. Ward, MD, PhD; Daphne T. Hsu, MD; Wendy K. Chung, MD, PhD; John L. Jefferies, MD, MPH; Christina Cordero, MPH; Steven E. Lipshultz, MD; for the Pediatric Cardiomyopathy Registry Investigators ..................................... e002637
Glycosylated Chromogranin A in Heart Failure: Implications for Processing and Cardiomyocyte Calcium Homeostasis
Anett Hellebø Ottesen, MSc; Cathrine R. Carlson, PhD; William E. Louch, PhD; Mai Britt Dahl, MSc; Ragnhild A. Sandbu, MSc; Rune Forstrøm Johansen; Hilde Jarstadmarken, MSc; Magnar Bjørås, PhD; Arne Didrik Høiseth, MD, PhD; Jon Brynildsen, MD; Ivar Sjaastad, MD, PhD; Mats Stridsberg, MD, PhD; Torbjørn Omland, MD, PhD, MPH; Geir Christensen, MD, PhD, MHA; Helge Røsjø, MD, PhD

H-Ras Isoform Mediates Protection Against Pressure Overload–Induced Cardiac Dysfunction in Part Through Activation of AKT
Takahisa Matsuda, PhD; Jae Im Jeong, BS; Shohei Ikeda, MD, PhD; Takanobu Yamamoto, MD, PhD; Shumin Gao, MD, PhD; Gopal J. Babu, PhD; Peiyong Zhai, MD, PhD; Dominic P. Del Re, PhD

Kcnj11 Ablation Is Associated With Increased Nitro-Oxidative Stress During Ischemia-Reperfusion Injury: Implications for Human Ischemic Cardiomyopathy
Bo Zhang, MD, PhD; Tatiana Novitskaya, MD, PhD; Debra G. Wheeler, MS; Zhaobin Xu, MD, PhD; Elena Chepurko, DVM; Ryan Huttinger, BA; Heng He, BA; Saradhadevi Varadharaj, PhD; Jay L. Zweier, MD; Yanna Song, MS; Meng Xu, MS; Frank E. Harrrell, Jr, PhD; Yan Ru Su, MD; Tarek Absi, MD; Mark J. Kohr, PhD; Mark T. Ziolo, PhD; Dan M. Roden, MD; Christian M. Shaffer, BS; Cristi L. Galindo, PhD; Quinn S. Wells, MD; Richard J. Guma, MD, PhD

Advances in Clinical Trials
Design and Rationale of a Randomized Trial of a Care Transition Strategy in Patients With Acute Heart Failure Discharged From the Emergency Department: GUIDED-HF (Get With the Guidelines in Emergency Department Patients With Heart Failure)
Gregory J. Fermann, MD; Phillip D. Levy, MD, MPH; Peter Pang, MD; Javed Butler, MD; S. Imran Ayaz, MD; Douglas Char, MD; Patrick Dunn, PhD; Cathie A. Jenkins, MS; Christy Kampe, MAcc; Yosef Khan, MD, PhD; Vijaya A. Kumar, MD, MPH; JoAnn Lindenfeld, MD; Dandan Liu, PhD; Karen Miller, RN; W. Frank Peacock, MD; Samaa Rick, BA; Chad Robichaux, MPH; Russell L. Rothman, MD, MPP; Jon Schrock, MD; Adam Singer, MD; Sarah A. Sterling, MD; Alan B. Storrow, MD; Cheryl Walsh; John Wilburn, MD; Sean P. Collins, MD, MSc

Images and Case Reports in Heart Failure
Novel Dominant–Negative Mutation in Cardiac Troponin I Causes Severe Restrictive Cardiomyopathy
Saumya Shah, MD; Haran Yogasundaram, MD; Ratnadeep Basu, MD, PhD; Faqi Wang, PhD; David J. Paterson, MD; Tero-Pekka Alastalo, MD, PhD; Gavin Y. Oudit, MD, PhD

Ventricular Thrombosis Post-Venoarterial Extracorporeal Membrane Oxygenation
Mosaad Alhussein, MD; Yasbanoo Moayedi, MD; Juan Duero Posada, MD; Heather Ross, MD; Vivek Rao, PhD, MD; Edward Hickey, MD; Filio Billia, PhD, MD