Original Articles

Cardiomyopathies

Global Longitudinal Strain and Left Atrial Volume Index Provide Incremental Prognostic Value in Patients With Hypertrophic Cardiomyopathy

Yasmine L. Hiemstra, MD; Philippe Debonnaire, MD, PhD; Marianne Bootsma, MD, PhD; Erik W. van Zet, MD, PhD; Victoria Delgado, MD, PhD; Martin J. Schalij, MD, PhD; Douwe E. Atsma, MD, PhD; Jeroen J. Bax, MD, PhD; Nina Ajmone Marsan, MD, PhD

- Editorial Risk Stratification in Hypertrophic Cardiomyopathy: Highly Effective, But Could It Be Better?
  Martin S. Maron, MD

Coronary Artery Disease

Acute Infarct Extracellular Volume Mapping to Quantify Myocardial Area at Risk and Chronic Infarct Size on Cardiovascular Magnetic Resonance Imaging

Pankaj Garg, MD; David A. Broadbent, PhD; Peter P. Swoboda, PhD; James R.J. Foley, MD; Graham J. Fent, MD; Tarique A. Musa, PhD; David P. Ripley, MBChB; Bara Erhayiem, BMBS; Laura E. Dobson, MD; Adam K. McDiarmid, MD; Philip Haaf, MD; Viktoria Delgado, MD, PhD; Rob J. van der Geest, PhD; John P. Greenwood, PhD; Sven Plein, PhD

- Editorial Mapping Myocardial Salvage Index by Extracellular Volume Fraction: Are We There Yet?
  Heerajnarain Bulluck, PhD; Derek J. Hausenloy, MBChB, PhD

Relationship Between Serum Inflammatory Marker Levels and the Dynamic Changes in Coronary Plaque Characteristics After Statin Therapy

Osung Kwon, MD; Soo-Jin Kang, MD, PhD; Se Hun Kang, MD; Pil Hyung Lee, MD; Sung-Cheol Yun, PhD; Jung-Min Ahn, MD; Duk-Woo Park, MD, PhD; Seung-Whan Lee, MD, PhD; Young-Hak Kim, MD, PhD; Cheol Whan Lee, MD, PhD; Ki Hoon Han, MD, PhD; Seong-Woo Park, MD, PhD; Seung-Jung Park, MD, PhD

- Editorial Lipid-Lowering and Anti-Inflammatory Benefits of Statin Therapy: More Than Meets the Plaque
  Viviany R. Taqueti, MD, MPH; Paul M. Ridker, MD, MPH

Temporal Trends of Single-Photon Emission Computed Tomography Myocardial Perfusion Imaging in Patients With Coronary Artery Disease: A 22-Year Experience From a Tertiary Academic Medical Center

Hayan Jouni, MD; J. Wells Askew, MD; Daniel J. Crusan, BS; Todd D. Miller, MD; Raymond J. Gibbons, MD

- Editorial How Should We Interpret the Decrease in Annual Volume of Stress Imaging Tests for Evaluation of Suspected or Known Coronary Artery Disease With Fewer High-Risk Test Results?
  George A. Beller, MD
Visual and Quantitative Assessment of Coronary Stenoses at Angiography Versus Fractional Flow Reserve: The Impact of Risk Factors
Julien Adjedj, MD; Panagiotis Xaplanteris, MD, PhD; Gabor Toth, MD; Angela Ferrara, MD; Mariano Pellicano, MD; Giovanni Ciccarelli, MD; Vincent Floré, MD, PhD; Emanuele Barbato, MD, PhD; Bernard De Bruyne, MD, PhD

**Editorial** Clues to Discordance and Dissimilarity Between Coronary Stenosis and Lesion-Specific Ischemia
Leslee J. Shaw, PhD; James K. Min, MD

Outcomes Research
Utility of 2013 American College of Cardiology/American Heart Association Cholesterol Guidelines in HIV-Infected Adults With Carotid Atherosclerosis
Binh An P. Phan, MD; Bernard Weigel, BA; Yifei Ma, MS; Rebecca Scherzer, PhD; Danny Li, BS; Sophia Hur, MPH; S.C. Kalapus, RDCS; Steven Deeks, MD; Priscilla Hsue MD

**Editorial** Cardiovascular Disease Imaging in HIV: Novel Phenotypes and New Targets for Risk Reduction
Steven Grinspoon, MD; Udo Hoffmann, MD

Valvular Heart Disease
Blood Pressure and Arterial Load After Transcatheter Aortic Valve Replacement for Aortic Stenosis
Brian R. Lindman, MD, MSCI; Catherine M. Otto, MD; Pamela S. Douglas, MD; Rebecca T. Hahn, MD; Sammy Elmariah, MD, MPH; Neil J. Weissman, MD; William J. Stewart, MD; Girma M. Ayele, PhD; Feifan Zhang, PhD; Alan Zajarias, MD; Hersh S. Maniar, MD; Hassan Jilaihawi, MD; Eugene Blackstone, MD; Khaja M. Chinnakondepalii, MS; E. Murat Tuzcu, MD; Martin B. Leon, MD; Philippe Pibarot, DVM, PhD

**Editorial** Blood Pressure, Arterial Load, and Survival After Transcatheter Aortic Valve Replacement: Reducing the Gradient Is Only Part of the Picture
Patrick T. O’Gara, MD

Ventricular Structure and Function
Relationship Between Myocardial Function, Body Mass Index, and Outcome After ST-Segment-Elevation Myocardial Infarction
Emer Joyce, MD, PhD; Georgette E. Hoogslag, MD, PhD; Vasileios Kamperidis, MD, PhD; Philippe Debonnaire, MD, PhD; Spyridon Katsanos, MD; Bart Mertens, PhD; Nina Ajmone Marsan, MD, PhD; Jeroen J. Bax, MD, PhD; Victoria Delgado, MD, PhD

**Editorial** The Good, the Bad, and the Ugly of Using Left Ventricular Longitudinal Myocardial Deformation by Speckle-Tracking Echocardiography to Assess Patients After an Acute Myocardial Infarction
Luigi P. Badano, MD, PhD; Denisa Muraru, MD, PhD

Advances in Cardiovascular Imaging
Sudden Cardiac Death Substrate Imaged by Magnetic Resonance Imaging: From Investigational Tool to Clinical Applications
Katherine C. Wu, MD

How to Use Imaging
How to Image Hypertrophic Cardiomyopathy
Martin S. Maron, MD; Ethan J. Rowin, MD; Barry J. Maron, MD
Correspondence

Letter by Scholtens et al Regarding Article, “Characterization of 18F-Fluorodeoxyglucose Uptake Patterns in Noninfected Prosthetic Heart Valves”
Asbjørn M. Scholtens, MD; Marnix G.E.H. Lam, MD, PhD; Hein J. Verberne, MD, PhD .......................... e006614

Response by Mathieu et al to Letter Regarding Article, “Characterization of 18F-Fluorodeoxyglucose Uptake Pattern in Noninfected Prosthetic Heart Valves”
Cédric Mathieu, MD; Nidaa Mikail, MD; Khadija Benali, MD; Bernard Iung, MD; Xavier Duval, MD, PhD; Patrick Nataf, MD; Guillaume Jondeau, MD, PhD; Fabien Hyafil, MD, PhD; Dominique Le Guludec, MD, PhD; François Rouzet, MD, PhD ................................................................. e006720
The online version of this article, along with updated information and services, is located on the World Wide Web at:

http://circimaging.ahajournals.org/content/10/7