Editors

Left Atrial Remodeling: More Than Just Left Atrial Enlargement
Brian D. Hoit, MD .................................................. e006036

Phenotype–Genotype Correlation in Hypertrophic Cardiomyopathy: Less Signal, More Noise?
Albrecht Tower-Rader, MD; Milind Y. Desai, MD .................................................. e006066

Why Edema Is a Matter of the Heart
Matthias G. Friedrich, MD .................................................. e006062

Optimal Vasodilation Protocols: The Devil Is in the Details
Paul Knaapen, MD, PhD .................................................. e006035

The Puzzle of Noninvasive Testing in Women: Filling in the Pieces With the CRESCENT Trial (Calcium Imaging and Selective CT Angiography in Comparison to Functional Testing for Suspected Coronary Artery Disease)
Neha J. Pagnidipati, MD, MPH; Pamela S. Douglas, MD .................................................. e006085

Left Atrial Volumes in Health and Disease Measured Using Cardiac Magnetic Resonance
Rohan S. Wijesundara, MB BChir, MA; Oliver J. Rider, BMBCh, DPhil; Stefan Neubauer, MD .................................................. e006124

Three-Dimensional Echocardiography and Right Ventricular Function: The Beauty and the Beast?
Covadonga Fernández-Golfín, MD; Jose L. Zamorano, MD, PhD .................................................. e006099

An Unwelcome Embrace: Adverse Pulmonary–Aortic Interactions in Pulmonary Hypertension
Michael A. Quail, PhD; Vivek Mathurangi, MD .................................................. e006063

Original Articles

Atrial Structure and Function

Factors Associated With Left Atrial Remodeling in the General Population
Walter Oliver; Gwendolyn Matthews, BS; Colby R. Ayers, MS; Sonia Garg, MD; Sachin Gupta, MD; Ian J. Neelands, MD; Mark H. Drazner, MD, MSc; Jarett D. Berry, MD, MS; Susan Matulevicius, MD, MSc; James A. de Lemos, MD .................................................. e005047

Cardiomyopathies

Lack of Phenotypic Differences by Cardiovascular Magnetic Resonance Imaging in MYH7 (β-Myosin Heavy Chain)- Versus MYBPC3 (Myosin-Binding Protein C)-Related Hypertrophic Cardiomyopathy
Adaya Weissler-Snim, MD; Waseem Hindieh, MD; Christiane Gruner, MD; Dana Fourey, MD; Evan Appelbaum, MD; Ethan Rowin, MD; Melanie Care, MSc; John R. Lesser, MD; Tammy S. Haas, RN; James E. Udelson, MD; Warren J. Manning, MD; Iacopo Olivotto, MD; Benedetta Tamberli, MD; Barry J. Maron, MD; Martin S. Maron, MD; Andrew M. Crean, MD; Harry Rakowski, MD; Raymond H. Chan, MD, MPH .................................................. e005311

Detection and Monitoring of Acute Myocarditis Applying Quantitative Cardiovascular Magnetic Resonance
Florian von Knobelsdorff-Brenkenhoff, MD; Johannes Schäfer, MD; Serkan Dogangizel, MD; Matthias A. Dieringer, PhD; Andre Rudolph, MD; Andreas Greiser, PhD; Peter Kellman, PhD; Jeanette Schulz-Menger, MD .................................................. e005242
Coronary Artery Disease
Optimal Adenosine Stress for Maximum Stress Perfusion, Coronary Flow Reserve, and Pixel Distribution of Coronary Flow Capacity by Kolmogorov–Smirnov Analysis
Danai Kitkungvan, MD; Dejian Lai, PhD; Hongjian Zhu, PhD; Amanda E. Roby, PET, CNMT, RT(N); Nils P. Johnson, MD, MS; Derek D. Steptoe, CNMT, RT(N); Monica B. Patel, MD; Richard Kirkeeide, PhD; K. Lance Gould, MD e005650

Sex Differences in the Performance of Cardiac Computed Tomography Compared With Functional Testing in Evaluating Stable Chest Pain: Subanalysis of the Multicenter, Randomized CRESCENT Trial (Calcium Imaging and Selective CT Angiography in Comparison to Functional Testing for Suspected Coronary Artery Disease)
Marisa Lubbers, MD; Adriaan Coenen, MD; Tobias Bruning, MD, PhD; Tjebbe Galema, MD, PhD; Jurgen Akkerhuis, MD, PhD; Boudewijn Krenning, MD, PhD; Paul Musters, MANP; Mohamed Ouhlous, MD, PhD; Ahno Liem, MD, PhD; Andre Niezen, MD, PhD; Admir Dedic, MD; Ron van Domburg, MD, PhD; Miriam Hunink, MD, PhD; Koen Nieman, MD, PhD e005295

Magnetic Resonance Imaging
Left Atrial Structure in Relationship to Age, Sex, Ethnicity, and Cardiovascular Risk Factors: MESA (Multi-Ethnic Study of Atherosclerosis)
Filip Zemrak, MD; Bharath Ambale-Venkatesh, MD; Gabriella Captur, MD, PhD, MSc; Jonathan Chrispin, MD; Ela Chamera, RDMS; Mohammadali Habibi, MD; Saman Nazarian, MD; Saidi A. Mohiddin, MBChB, MD; James C. Moon, MBChB, MD; Steffen E. Petersen, MD, DPhil, MPH; João A.C. Lima, MD; David A. Bluemke, MD, PhD e005379

Outcomes Research
Prognostic Value of Right Ventricular Ejection Fraction Assessed by Transthoracic 3D Echocardiography
Yasufumi Nagata, MD; Victor Chien-Chia Wu, MD; Yuichiro Kado, MD; Kyoko Otani, MD; Fen-Chiung Lin, MD; Yutaka Otsuji, MD; Kazuaki Negishi, MD; Masaaki Takeuchi, MD e005384

Pulmonary Arterial Hypertension
Apparent Aortic Stiffness in Children With Pulmonary Arterial Hypertension: Existence of Vascular Interdependency?
Michal Schäfer, MSc; D. Dunbar Ivy, MD; Steven H. Abman, MD; Alex J. Barker, PhD; Lorna P. Browne, MD; Brian Fonseca, MD; Vitaly Kheyfets, PhD; Kendall S. Hunter, PhD; Uyen Truong, MD e005817

Cardiovascular Images
Enhanced EP4 Expression in a Pulmonary Artery Aneurysm With Dissection in a Patient With Pulmonary Arterial Hypertension
Satoshi Akaogi, MD, PhD; Kazufumi Nakamura, MD, PhD; Utako Yokoyama, MD, PhD; Shingo Kasahara, MD, PhD; Toshihiro Sarashina, MD; Kentaro Ejiri, MD; Hiroshi Ito, MD, PhD e005839

Correction to: Changes in Right Ventricular Function Measured by Cardiac Magnetic Resonance Imaging in Patients Receiving Pulmonary Arterial Hypertension–Targeted Therapy: The EURO-MR Study e000015