Original Articles

Congenital Heart Disease

Pulmonary Right Ventricular Resynchronization in Congenital Heart Disease: Acute Improvement in Right Ventricular Mechanics and Contraction Efficiency
Jan Janoušek, MD, PhD; Jan Kovanda, MD; Miroslav Ložek, MSc; Viktor Tomek, MD, PhD; Pavel Vojtovíč MD; Roman Gebauer, MD; Peter Kubuš, MD, PhD; Miroslav Krejčíř MSc; Joost Lumens, PhD; Tammo Delhaas, PhD; Frits Prinzen, PhD

EDITORIAL
Another Step in the Right Direction: Resynchronizing the Dyssynchronous Right Ventricle Improves Its Efficiency and Function
Mark K. Friedberg, MD

Coronary Artery Disease

Serial 3-Vessel Optical Coherence Tomography and Intravascular Ultrasound Analysis of Changing Morphologies Associated With Lesion Progression in Patients With Stable Angina Pectoris
Myong Hwa Yamamoto, MD; Kennosuke Yamashita, MD, PhD; Mitsuaki Matsumura, BS; Akiko Fujino, MD; Masaru Ishida, MD; Seitarou Ebara, MD; Toshitaka Okabe, MD, PhD; Shigeo Fujino, MD; Koichi Hoshimoto, MD, PhD; Kisaki Amentiya, MD; Tadayuki Yakashiji, MD, PhD; Naoei Isomura, MD, PhD; Hiroshi Araki, MD, PhD; Chiaki Obara, MD, PhD; Thomas McAndrew, PhD; Masahiko Ochiai MD, PhD; Gary S. Mintz, MD; Akiko Maehara, MD

EDITORIAL
Plaque Progression: Slow Linear or Rapid Stepwise?
Ik-Kyung Jang, MD, PhD

Magnetic Resonance Imaging

Cardiovascular Magnetic Resonance to Predict Appropriate Implantable Cardioverter Defibrillator Therapy in Ischemic and Nonischemic Cardiomyopathy Patients Using Late Gadolinium Enhancement Border Zone: Comparison of Four Analysis Methods
Robert Jablonowski, MD, PhD; Uzma Chaudhry, MBBS; Jesper van der Pals, MD, PhD; Henrik Engblom, MD, PhD; Håkan Arheden, MD, PhD; Einar Heiberg, PhD; Katherine C. Wu, MD; Rasmus Borgquist, MD, PhD; Marcus Carlsson, MD, PhD

EDITORIAL
Unraveling the Scar With Cardiac Magnetic Resonance
Antonio Berruezo, MD, PhD; Jose Tomás Ortiz-Pérez, MD, PhD

Prevalence and Prognostic Significance of Left Ventricular Noncompaction in Patients Referred for Cardiac Magnetic Resonance Imaging
Alexander Ivanov, MD; Devindra S. Dabiesingh, DO, MPH; Geetha P. Bhumireddy, MD; Ambreen Mohamed, MD; Ahmed Asfour, MD; William M. Briggs, PhD, MS; Jean Ho, BS; Saadat A. Khan, MD; Alexandra Grossman, BS; Igor Klem, MD; Terrence J. Sacchi, MD; John F. Heitner, MD

EDITORIAL
Excessive Trabeculations and Prognosis: The Plot Thickens
Steffen E. Petersen, MD, DPhil, MPH; Stefan Neubauer, MD
Novel Index of Maladaptive Myocardial Remodeling in Hypertension
Vera J. Goh, MD; Thu-Thao Le, PhD; Jennifer Bryant, PhD; Jia Ing Wong, MSc; Chee Jian Pua, BSc; Chloe P.Y. Sim, BSc; Briania Ang, BSc; Tar Choon Aw, MD MPP; Stuart A. Cook, MD, PhD; Calvin W.L. Chin, MD, PhD

Editorial: A Novel Index of Remodeling in Hypertensive Heart Disease
Gerard P. Aurigemma, MD; Michael Salerno, MD, PhD, MS

Ventricular Structure and Function
Regional Dysfunction After Myocardial Infarction in Rats
Emil K.S. Espe, MSc, PhD; Jan Magnus Aronsen, MD; Morten Eriksen, MD, PhD; Ole M. Sejersted, MD, PhD; Lili Zhang, MSc, PhD; Ivar Sjaastad, MD, PhD

Editorial: Regional Myocardial Contractility: The Elusive Phantom of Cardiology
Frank E. Rademakers, MD, PhD

Lowering Interleukin-12 Activity Improves Myocardial and Vascular Function Compared With Tumor Necrosis Factor-a Antagonism or Cyclosporine in Psoriasis
Ignatios Ikonomidis, MD, PhD; Evangelia Papadavid, MD; George Makavos, MD, PhD; Ioanna Andreadou, PhD; Maria Varoudi, MD; Kostas Gravanis, MD; Kostas Theodoropoulos, MD; George Pavlidis, MD; Helen Triantafylldi, MD, PhD; Paraskevi Moutsatsou, MD, PhD; Christina Panagiotou, MD; John Parissis, MD, PhD; Efstrathios Ilidromitis, MD, PhD; John Lekakis, MD, PhD; Dimitrios Rigopoulos, MD, PhD

Editorial: Interleukin Antagonists: Have We Found the Right One to Block? Are Cardiovascular Effects of Biologic Therapies Similar?
Ayman Samman Tahhan, MD; Pratik B. Sandesara, MD; Arshed A. Quyyumi, MD

Advances in Cardiovascular Imaging
Cardiac Imaging in Patients With Heart Failure and Preserved Ejection Fraction
Sherif F. Nagueh, MD; Su Min Chang, MD; Faisal Nabi, MD; Dipan J. Shah, MD; Jerry D. Estep, MD

How to Use Imaging
Bicuspid Aortic Valve: What to Image in Patients Considered for Transcatheter Aortic Valve Replacement?
William K.F. Kong, MD; Victoria Delgado, MD, PhD; Jeroen J. Bax, MD, PhD

Correspondence
Nathan Mewton, MD, PhD; Pierre Croisille, MD, PhD

Response by Durante and Camici to Letter Regarding Article, “Identification of High-Risk Patients After ST-Segment–Elevation Myocardial Infarction: Comparison Between Angiographic and Magnetic Resonance Parameters”
Alessandro Durante, MD; Paolo G. Camici, MD

Naritatsu Saito, MD