

European Perspectives f189–f192
Issue Highlights 2429

Editorials

When a Myocardial Infarction Comes Out of the Not-So-Blue Air
Annette Peters, MSc, PhD 2430

Prediction and Prevention of Chemotherapy-Induced Cardiomyopathy: Can It Be Done?
Christopher B. Granger, MD 2432

Original Articles

Arrhythmia/Electrophysiology

Activation of Inward Rectifier Potassium Channels Accelerates Atrial Fibrillation in Humans: Evidence for a Reentrant Mechanism
Felipe Ateienza, MD, PhD; Jesús Almendral, MD, PhD; Javier Moreno, MD; Ravi Vaidyanathan, MS; Arkazdi Talkachou, MS; Jérôme Kalifa, MD; Angel Arenal, MD; Julian P. Villacastín, MD, PhD; Esteban G. Torrecilla, MD, PhD; Ana Sánchez, MD; Robert Ploutz-Snyder, PhD; José Jalife, MD; Omer Berenfeld, PhD **Clinical Perspective** → 2434

Coronary Heart Disease

Ischemic Heart Disease Events Triggered by Short-Term Exposure to Fine Particulate Air Pollution
C. Arden Pope III, PhD; Joseph B. Muhlestein, MD; Heidi T. May, MSPH; Dale G. Renlund, MD; Jeffrey L. Anderson, MD; Benjamin D. Horne, PhD, MPH **Clinical Perspective** → 2443

Randomized Trial of Percutaneous Coronary Intervention for Subacute Infarct-Related Coronary Artery Occlusion to Achieve Long-Term Patency and Improve Ventricular Function: The Total Occlusion Study of Canada (TOSCA)-2 Trial
Vladimír Džavík, MD; Christopher E. Buller, MD; Gervasio A. Lamas, MD; James M. Rankin, MD; G.B. John Mancini, MD; Warren J. Cantor, MD; Ronald J. Carere, MD; John R. Ross, MD; Deborah Atchison, PhD; Sandra Forman, MA; Boban Thomas, MD; Pawel Buszman, MD; Carlos Vozzi, MD; Anthony Glanz, MD; Eric A. Cohen, MD; Peter Mečiar, MD; Gerald Devlin, MD; Alice Mascette, MD; George Sopko, MD; Genell L. Knatterud, PhD; Judith S. Hochman, MD; for the TOSCA-2 Investigators **Clinical Perspective** → 2449

Epidemiology

Genetic Variation Is Associated With C-Reactive Protein Levels in the Third National Health and Nutrition Examination Survey
Dana C. Crawford, PhD; Christopher L. Sanders, MS; Xiaoting Qin, PhD; Joshua D. Smith, BS; Cynthia Shephard, BS; Michelle Wong, BS; Laura Witrak, BA; Mark J. Rieder, PhD; Deborah A. Nickerson, PhD **Clinical Perspective** → 2458

Health Services and Outcomes Research

Extending the Horizon in Chronic Heart Failure: Effects of Multidisciplinary, Home-Based Intervention Relative to Usual Care

Sally C. Inglis, BHSc(Hons); Sue Pearson, PhD; Suzette Treen, BHSc; Tamara Gallasch, BBS; John D. Horowitz, PhD; Simon Stewart, PhD [Clinical Perspective] [CME] → 2466

Heart Failure

Prevention of High-Dose Chemotherapy–Induced Cardiotoxicity in High-Risk Patients by Angiotensin-Converting Enzyme Inhibition

Daniela Cardinale, MD; Alessandro Colombo, MD; Maria T. Sandri, MD; Giuseppina Lamantia, MD; Nicola Colombo, MD; Maurizio Civelli, MD; Giovanni Martinelli, MD; Fabrizio Veglia, PhD; Cesare Fiorentini, MD; Carlo M. Cipolla, MD [Clinical Perspective] → 2474

Molecular Cardiology

Pathogen-Sensing Plasmacytoid Dendritic Cells Stimulate Cytotoxic T-Cell Function in the Atherosclerotic Plaque Through Interferon- α

Alexander Niessner, MD; Kayoko Sato, MD, PhD; Elliot L. Chaikof, MD, PhD; Ines Colmegna, MD; Jörg J. Goronzy, MD, PhD; Cornelia M. Weyand, MD, PhD [Clinical Perspective] → 2482

Vascular Medicine

First-in-Human Experience of an Antidote-Controlled Anticoagulant Using RNA Aptamer Technology: A Phase 1a Pharmacodynamic Evaluation of a Drug-Antidote Pair for the Controlled Regulation of Factor IXa Activity

Christopher K. Dyke, MD; Steven R. Steinhubl, MD; Neal S. Kleiman, MD; Richard O. Cannon, MD; Laura G. Aberle, MS; Min Lin, PhD; Shelley K. Myles, BS, RN; Chiara Melloni, MD; Robert A. Harrington, MD; John H. Alexander, MD; Richard C. Becker, MD; Christopher P. Rusconi, PhD [Clinical Perspective] → 2490

Improvement of Peripheral Endothelial Dysfunction by Protein Tyrosine Phosphatase Inhibitors in Heart Failure

Magali Vercauteren, BSc; Elise Remy, PharmD; Corinne Devaux, PhD; Brigitte Dautreux, BSc; Jean-Paul Henry, BSc; Fabrice Bauer, MD; Paul Mulder, PhD; Rob Hooft van Huijsduijnen, PhD; Agnès Bombrun, PhD; Christian Thuillez, MD, PhD; Vincent Richard, PhD [Clinical Perspective] → 2498

High-Dose Allopurinol Improves Endothelial Function by Profoundly Reducing Vascular Oxidative Stress and Not by Lowering Uric Acid

Jacob George, MBChB, MRCP; Elaine Carr, RGN, BN; Justine Davies, MD, MRCP; J.J.F. Belch, MD, FRCP; Allan Struthers, MD, FRCP, FESC [Clinical Perspective] → 2508

Contemporary Reviews in Cardiovascular Medicine

Rethinking Primary Prevention of Atherosclerosis-Related Diseases

Claudio Napoli, MD, PhD, MBE; Lilach O. Lerman, MD, PhD; Filomena de Nigris, BiolD, PhD; Mario Gossel, MD; Maria Luisa Balestrieri, BiolD, PhD; Amir Lerman, MD 2517

Statistical Primer for Cardiovascular Research

Rank Score Tests

Lisa M. LaVange, PhD; Gary G. Koch, PhD 2528

ACC/AHA/HRS Clinical Data Standards

ACC/AHA/HRS 2006 Key Data Elements and Definitions for Electrophysiological Studies and Procedures: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Data Standards (ACC/AHA/HRS Writing Committee to Develop Data Standards on Electrophysiology)

ACC/AHA WRITING COMMITTEE FOR ELECTROPHYSIOLOGY CLINICAL DATA STANDARDS:

Alfred E. Buxton, MD, FACC, FAHA, Chair; Hugh Calkins, MD, FACC, FAHA, FHRS;
David J. Callans, MD, FACC; John P. DiMarco, MD, PhD, FACC, FAHA, FHRS;
John D. Fisher, MD, FACC, FHRS; H. Leon Greene, MD, FACC; David E. Haines, MD, FACC, FHRS;
David L. Hayes, MD, FACC, FAHA, FHRS; Paul A. Heidenreich, MD, FACC; John M. Miller, MD, FACC;
Athena Poppas, MD, FACC; Eric N. Prystowsky, MD, FACC, FAHA, FHRS;
Mark H. Schoenfeld, MD, FACC, FAHA, FHRS; Peter J. Zimetbaum, MD

FACC TASK FORCE MEMBERS:

Paul A. Heidenreich, MD, FACC, Chair; David C. Goff, PhD, FAHA; Frederick L. Grover, MD, FACC;
David J. Malenka, MD, FACC; Eric D. Peterson, MD, FACC;
Martha J. Radford, MD, FACC, FAHA; Rita F. Redberg, MD, MSc, FACC 2534

Circulation Electronic Pages

Images in Cardiovascular Medicine

Reverse Bernheim Phenomenon as a Cause of Exercise-Induced Syncope

Andre d'Avila, MD; Arnaldo Rabischoffsky, MD; Eduardo Saad, MD **Web Site Feature** ★e618–e620

Computed Tomography–Guided Biopsy of an Epicardial Mass

Kai Nassenstein, MD; Tobias Schroeder, MD **Web Site Feature** ★e621–e622

Right Ventricular Acupuncture Needle Embolism Detected on Coronary Computed Tomography Angiography

Young Jin Kim, MD; Ji Youn Kim, MD; Byoung Wook Choi, MD, PhD; Ji Eun Nam, MD;
Tae Hoon Kim, MD, PhD; Kyu Ok Choe, MD, PhD **Web Site Feature** ★e623–e626

Correspondence

Letter by Bleiziffer et al Regarding Article, “Long-Term Outcomes After Valve Replacement for Low-Gradient Aortic Stenosis: Impact of Prosthesis-Patient Mismatch”

Sabine Bleiziffer, MD; Walter Benno Eichinger, MD; Ruediger Lange, PhD, MD **Web Site Feature** ★e627

Response to Letter Regarding Article, “Long-Term Outcomes After Valve Replacement for Low-Gradient Aortic Stenosis: Impact of Prosthesis-Patient Mismatch”

Alexander Kulik, MD; Varun Kapila, MD; Thierry G. Mesana, MD, PhD; Marc Ruel, MD, MPH;
Ian G. Burwash, MD **Web Site Feature** ★e628

Corrections ★e629–e630

Classified Advertising B1

➔ indicates articles with a Clinical Perspective; ★ indicates articles available online only.