Clinical Summaries .......................................................... 597

Editorials

Primordial Prevention of Cardiovascular Disease
Matthew W. Gillman, MD, SM ............................................ 599

Parsing the Role of NADPH Oxidase Enzymes and Reactive Oxygen Species in Heart Failure
Ajay M. Shah, MD, FMedSci ............................................. 602

Original Articles

Epidemiology and Prevention

Metabolic Syndrome From Adolescence to Early Adulthood: Effect of Infancy-Onset Dietary Counseling of Low Saturated Fat: The Special Turku Coronary Risk Factor Intervention Project (STRIP)
Mari Napponen, BM; Katja Pahkala, PhD; Markus Juonala, MD, PhD; Costan G. Magnusson, PhD; Harri Niinikoski, MD, PhD; Tapani Rönnemaa, MD, PhD; Jorma S.A. Viikari, MD, PhD; Maiju Saarinen, MSc; Hanna Lagström, PhD; Antti Jula, MD, PhD; Olli Simell, MD, PhD; Olli T. Raitakari, MD, PhD ............................................. 605

Health Services and Outcomes Research

Sex Differences in Perceived Stress and Early Recovery in Young and Middle-Aged Patients With Acute Myocardial Infarction
Xiá Xu, PhD; Haikun Bao, PhD; Kelly Strait, MS; John A. Spertus, MD, MPH; Judith H. Lichtman, PhD, MPH; Gail D’Onofrio, MD, MS; Erica Spatz, MD, MHS; Emily M. Bucholz, MPH; Mary Geda, BSN, MSN, RN; Nancy P. Lorenze, DNSc, MSN; Héctor Bueno, MD, PhD; John F. Beltrame, MBBS, PhD; Harlan M. Krumholz, MD, SM ............................................. 614

Heart Failure

Cardiac Sarcoidosis: Epidemiology, Characteristics, and Outcome Over 25 Years in a Nationwide Study
Riina Kandolin, MD; Jukka Lehtonen, MD; Juhanu Airaksinen, MD; Tapani Viikari, MD; Heikki Miettinen, MD; Kari Ylitalo, MD; Kari Kaikkonen, MD; Suvi Tuohinen, MD; Petri Haataja, MD; Tuomas Kerola, MD; Jorma Kokkonen, MD; Markus Pelkonen, MD; Päivi Pietilä-Efjati, MD; Seppo Utrianen, MD; Markku Kapari, MD [CME] ............................................. 624

Hypertension

Evidence That Links Loss of Cyclooxygenase-2 With Increased Asymmetric Dimethylarginine: Novel Explanation of Cardiovascular Side Effects Associated With Anti-Inflammatory Drugs
Blerina Ahmetaj-Shala, PhD; Nicholas S. Kirkby, PhD; Rebecca Knowles, MD; Malak Al’Yamani, MSc; Sarah Mazl, MRs; Zhen Wang, PhD; Arthur T. Tucker, PhD; Louise Mackenzie, PhD; Paul C. J. Armstrong, PhD; Rolf M. Nising, PhD; James A. P. Tomlinson, MD, PhD; Timothy D. Warner, PhD; James Leiper, PhD; Jane A. Mitchell, PhD ............................................. 633
Molecular Cardiology

NADPH Oxidase 4 Induces Cardiac Fibrosis and Hypertrophy Through Activating Akt/mTOR and NFκB Signaling Pathways
Qingwei David Zhao, MD, PhD; Suryavathi Viswanadhapalli, PhD; Paul Williams, BS; Qian Shi, PhD; Chunyan Tan, MD; Xiaolan Yi, MD, PhD; Basant Bhandari, PhD; Hanna E. Abboud, MD

Vascular Medicine

Dual-Specificity Phosphatase 3 Deficiency or Inhibition Limits Platelet Activation and Arterial Thrombosis
Lucia Musumeci, PhD; Marijke J. Kuijpers, PhD; Karen Gilio, MD, PhD; Alexandre Hego, BSc; Emilie Théâtre, PhD; Lisbeth Maurissen, PhD; Maud Vandereyken, MSc; Catia V. Diogo, PhD; Christelle Lecut, PhD; William Guilmain, PhD; Ekaterina V. Bobkova, PhD; Johannes A. Eble, PhD; Russell Dahl, PhD; Pierre Drion, DVM, PhD; Justin Rascon, PhD; Yotis Senis, PhD; Michel Moutschen, MD, PhD; Tomas Mustelin, MD, PhD; Patrizio Lancellotti, MD, PhD; Johan W.M. Heemskerk, PhD; Lutz Tautz, PhD; Cécile Oury, PhD; Souad Rahmouni, PhD

Special Report

How Low Should We Go?: Hypothermia or Strict Normothermia After Cardiac Arrest?
Kees H. Polderman, MD, PhD; Joseph Varon, MD, FACP, FCCP, FCCM, FRSM

Clinician Update

Extracorporeal Membrane Oxygenation in Adults With Cardiogenic Shock
Patrick R. Lawler, MD; David A. Silver, MD; Benjamin M. Scirica, MD, MPH; Gregory S. Couper, MD; Gerald L. Weinhouse, MD; Phillip C. Camp Jr, MD

ECG Challenge

ECG Challenge: February 17, 2015

Images in Cardiovascular Medicine

Structural Valve Deterioration 4 Years After Transcatheter Aortic Valve Replacement: Imaging and Pathohistological Findings
Marcus-André Deutsch, MD; N. Patrick Mayr, MD; Gerald Assmann, MD; Albrecht Will, MD; Markus Krane, MD; Nicolo Piazza, MD, PhD; Sabine Bleiziffer, MD; Ruediger Lange, MD, PhD

Intravascular Ultrasound Observation of an Obstruction of the Left Main Coronary Artery Caused by Displaced Leaflet Calcification and Hematoma After Transcatheter Aortic Valve Implantation
Tomohiko Taniguchi, MD; Naritatsu Saito, MD; Kenji Minakata, MD; Masao Imai, MD; Hiroshi Watanabe, MD; Toshiaki Toyota, MD; Shin Watanabe, MD; Junichi Tazaki, MD; Shigeki Koizumi, MD; Shingo Hirao, MD; Kazuhiro Yamazaki, MD; Hiroki Daijo, MD; Ryuzo Sakata, MD; Takeshi Kimura, MD

Correspondence

Letter by Reed et al Regarding Article, “Proteomic Analysis Implicates Translationally Controlled Tumor Protein as a Novel Mediator of Occlusive Vascular Remodeling in Pulmonary Arterial Hypertension”
Daniel M. Reed, BSc, MRes, PhD; Peter M. George, MBBS, BSc, PhD; Jane A. Mitchell, BSc, PhD

Letter by Monfredi et al Regarding Article, “Physical Activity and Heart Rate Variability in Older Adults: The Cardiovascular Health Study”
Oliver Monfredi, MD, PhD; Henggui Zhang, PhD; Mark R. Boyett, PhD
Response to Letter Regarding Article, “Physical Activity and Heart Rate Variability in Older Adults: The Cardiovascular Health Study”
Luisa Soares-Miranda, PhD; Jacob Sattelmair, PhD; Paulo Chaves, MD, PhD; Glen Duncan, PhD; David S. Siscovick, MD, MPH; Phyllis K. Stein, PhD; Dariush Mozaffarian, MD, DrPH

Expression of Concern
Joseph Loscalzo, MD, PhD

Correction

by guest on December 23, 2017 http://circ.ahajournals.org/ Downloaded from
The online version of this article, along with updated information and services, is located on the World Wide Web at:

http://circ.ahajournals.org/content/131/7.citation

Permissions: Requests for permissions to reproduce figures, tables, or portions of articles originally published in Circulation can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the Permissions and Rights Question and Answer document.

Reprints: Information about reprints can be found online at:
http://www.lww.com/reprints

Subscriptions: Information about subscribing to Circulation is online at:
http://circ.ahajournals.org/subscriptions/