Editorials

Are Double Mutations Double Trouble?
Diane Fatkin, MD; Renee Johnson, PhD, MGC ................................. e001749

Local Ancestry Association, Admixture Mapping, and Ongoing Challenges
Arya Mani, MD ................................................................. e001747

Original Articles

Identification of Cadherin 2 (CDH2) Mutations in Arrhythmogenic Right Ventricular Cardiomyopathy
Bongani M. Mayosi, MB, ChB, DPhil; Maryam Fish, Ph.D; Gasnat Shaboodien, Ph.D;
Elisa Mastantuono, MD; Sarah Kraus, MB, ChB; Thomas Wieland, MSc; Maria-Christina Kotta, PhD;
Ashley Chin, MPhil; Nakita Laing, MSc; Ntobeko B.A. Tsusi, DPhil; Michael Chong, MSc;
Christopher Horsfall, MB, ChB; Simon N. Pimstone, MB, ChB, PhD; Davide Gentilini, PhD;
Gianfranco Parati, MD; Tim-Matthias Strom, MD; Thomas Meitinger, MD; Guillaume Pare, MD;
Peter J. Schwartz, MD, PhD; Lia Crotti, MD, PhD ................................................ e001605

Screening of the Filamin C Gene in a Large Cohort of Hypertrophic Cardiomyopathy Patients
Juan Gómez, PhD; Rebecca Lorca, MD; Julian R. Reguero, MD; César Moris, MD;
María Martín, MD; Salvador Tranche, MD; Belén Alonso, BSc; Sara Iglesias, BSc; Victoria Alvarez, PhD;
Beatriz Díaz-Molina, MD; Patricia Adrià, MD, PhD; Pablo Avanzas, MD; Eliecer Coto, PhD ...

Nonfamilial Hypertrophic Cardiomyopathy: Prevalence, Natural History, and Clinical Implications
Jodie Ingles, GradDipGenCouns, PhD, MPH; Charlotte Burns, MGC, MPH, MPH; Richard D. Bagnall, PhD;
Lien Lam, BSc, PhD; Laura Yeates, BSc; Tanya Saraiya, MCommsMgmt; Rashid Panank, MBBS, PhD;
Tom Briffa, PhD; John J. Atherton, MBBS, PhD; Tim Driscoll, BSc(Med), MBBS, MOHS, PhD;
Christopher Sensarian, MBBS, PhD, MPH ........................................ e001620

Prevalence and Clinical Implication of Double Mutations in Hypertrophic Cardiomyopathy:
Revisiting the Gene-Dose Effect
Dana Foruey, MD; Melanie Care, MSc; Katherine A. Siminovitch, MD; Adaya Weissler-Snr, MD;
Waseem Hindieh, MD; Raymond H. Chan, MD, MPH; Michael H. Gollob, MD; Harry Rakowski, MD;
Arnon Adler, MD ................................................................. e001685

Additional Candidate Genes for Human Atherosclerotic Disease Identified Through Annotation
Based on Chromatin Organization
Saskia Haitjema, MD; Claartje A. Meddens, MD; Sander W. van der Laan, PhD; Daniel Kofink, MSc;
Magdalena Harakalova, MD, PhD; Vinicius Tragante, PhD; Hassan Foroughi Asl, PhD;
Jessica van Setten, PhD; Maarten M. Brandt, MSc; Joshua C. Bis, Ph.D; Christopher O’Donnell, MD, PhD;
on behalf of the CHARGE Consortium, the METASTROKE Group of the International Stroke Genetics Consortium;
Caroline Cheng, PhD; Imo E. Hoofer, MD, PhD; Johannes Waltenberger, MD, PhD; Erik Biessen, PhD;
J. Wouter Jukema, PhD; Pieter A.F.M. Doevendans, MD, PhD; Edward E.S. Nieuwenhuis, MD, PhD;
Jeanette Erdmann, MD, PhD; Johan L.M. Björkegren, PhD; Gerard Pasterkamp, MD, PhD;
Folkert W. Asselbergs, MD, PhD; Hester M. den Ruijter, PhD; Michal Mokry, MD, PhD ............... e001664

Admixture Mapping of Subclinical Atherosclerosis and Subsequent Clinical Events Among
African Americans in 2 Large Cohort Studies
Aditi Shendre, PhD; Howard Wiener, PhD; Marguerite R. Irvin, PhD; Degui Zhi, PhD; Nita A. Limdi, PhD;
Edgar T. Overton, MD; Christina L. Wassel, PhD; Jasmin Divers, PhD; Jerome I. Rotter, MD;
Wendy S. Post, MD; Sadeep Shrestha, PhD ................................................. e001569

---

CIRCULATION: CARDIOVASCULAR GENETICS (ISSN 1942-3268) is published every other month online-only by Wolters Kluwer Health, Inc. at 14700 Citicorp Drive, Bldg 3, Hagerstown, MD 21742. Business offices are located at Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103. Production offices are located at 351 West Camden Street, Baltimore, MD 21201-2436. Members of any American Heart Association scientific council will have online access to the journal as a benefit of membership. Individuals may subscribe for their personal use at the following annual rates world-wide: $322 for non-members. Additional rates can be found online at http://www.circgenetics.aha.org. AHA information can be found online at http://professional.heart.org/professional/membership/membership-tiers.jsp.---
Socioeconomic Status Interacts with the Genetic Effect of a Chromosome 9p21.3 Common Variant to Influence Coronary Artery Calcification and Incident Coronary Events in the Heinz Nixdorf Recall Study (Risk Factors, Evaluation of Coronary Calcium, and Lifestyle)
Börge Schmidt, PhD; Stefanie Frölich, MSc; Nico Dragano, PhD; Mirjam Frank, MSc; Lewin Eisele, MD; Sonali Peichlivanis, PhD; Andreas J. Forstner, MD; Markus M. Nöthen, MD; Amir A. Mahabadi, MD; Raimund Erbel, MD; Susanne Moebus, PhD; Karl-Heinz Jöckel, PhD

Genome-Wide Association Study Meta-Analysis of Long-Term Average Blood Pressure in East Asians
Changwei Li, MD, PhD; Yun Kyoung Kim, PhD; Rajkumar Dorajoo, PhD; Huaixing Li, PhD; I-Te Lee, MD, PhD; Ching-Yu Cheng, MD, PhD; Meian He, MD, PhD; Yunfeng Zhong, MD, PhD; Jiang He, MD, PhD; Hong Li, MD; Taiyue Liao, PhD; Xiuqing Guo, PhD; Xingyi Pan, MD, PhD; Na Li, MD; Santhi K. Ganesh, MD; James E. Hisson, PhD; Sohee Han, PhD; Yi-Ping Hsu, PhD; Yiqin Wang, MD; Raimund Erbel, MD; Susanne Moebus, PhD; Karl-Heinz Jöckel, PhD

Investigating the Genetic Architecture of the PR Interval Using Clinical Phenotypes
Jonathan D. Mosley, MD, PhD; M. Benjamin Shoemaker, MD, MSCI; Quinn S. Wells, MD, PhamD, MSc; Pradeep Natarajan, MD, MMSc; Derek Klarin, MD; Connor A. Emdin, DPhil; the INVENT Consortium; Sekar Kathiresan, MD

Heritability of the Severity of the Metabolic Syndrome in Whites and Blacks in 3 Large Cohorts
Solomon K. Musani, PhD; Lisa J. Martin, PhD; Jessica G. Woo, PhD; Michael Olivier, PhD; Andrew R. Harper, MSc, MRCP; Victoria N. Puriikh, MD; Rachel L. Goldfeder, BS; Colleen Caleshu, MS, LCGC; Euan A. Ashley, BSc, DPhil, FRCP

Genetic Analysis of Venous Thromboembolism in UK Biobank Identifies the ZFPM2 Locus and Implicates Obesity as a Causal Risk Factor
Derek Klarin, MD; Conor A. Endin, DPhil; Pradeep Natarajan, MD, MMSc; Mark F. Conrad, MD; the INVENT Consortium; Sekar Kathiresan, MD

Advances in Genetics
Delivering Clinical Grade Sequencing and Genetic Test Interpretation for Cardiovascular Medicine
Andrew R. Harper, MSc, MRCP; Victoria N. Puriikh, MD; Rachel L. Goldfeder, BS; Colleen Caleshu, MS, LCGC; Euan A. Ashley, BSc, DPhil, FRCP

AHA Scientific Statement
Potential Impact and Study Considerations of Metabolomics in Cardiovascular Health and Disease: A Scientific Statement From the American Heart Association
Susan Cheng, MD, MMSc, MPH, Chair; Svati H. Shah, MD, MHS, FAHA, Co-Chair; Elizabeth J. Corwin, PhD; Oliver Feihm, MD; Robert L. Fitzgerald, PhD; Robert E. Gerszten, MD, FAHA; Thomas Illig, PhD; Eugene P. Rhee, MD; Pothisr R. Srinivas, PhD, MPH; Thomas J. Wang, MD, FAHA; Mohit Jain, MD, PhD; on behalf of the American Heart Association Council on Functional Genomics and Translational Biology; Council on Cardiovascular and Stroke Nursing; Council on Clinical Cardiology; and Stroke Council

Correction

AHA Scientific Statement
Potential Impact and Study Considerations of Metabolomics in Cardiovascular Health and Disease: A Scientific Statement From the American Heart Association
Susan Cheng, MD, MMSc, MPH, Chair; Svati H. Shah, MD, MHS, FAHA, Co-Chair; Elizabeth J. Corwin, PhD; Oliver Feihm, MD; Robert L. Fitzgerald, PhD; Robert E. Gerszten, MD, FAHA; Thomas Illig, PhD; Eugene P. Rhee, MD; Pothisr R. Srinivas, PhD, MPH; Thomas J. Wang, MD, FAHA; Mohit Jain, MD, PhD; on behalf of the American Heart Association Council on Functional Genomics and Translational Biology; Council on Cardiovascular and Stroke Nursing; Council on Clinical Cardiology; and Stroke Council
Circ Cardiovasc Genet. 2017;10:

The online version of this article, along with updated information and services, is located on the World Wide Web at:
http://circgenetics.ahajournals.org/content/10/2

Permissions: Requests for permissions to reproduce figures, tables, or portions of articles originally published in Circulation: Cardiovascular Genetics 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: Cardiovascular Genetics is online at: http://circgenetics.ahajournals.org//subscriptions/