FRAME OF REFERENCE

On My Mind
Genomic Medicine in Cardiovascular Fellowship Training
Aaron W. Aday, MD; Calum A. MacRae, MD, PhD

ORIGINAL RESEARCH ARTICLES

Age-Related Autonomous Aldosteronism
Kazutaka Nanba, MD; Anand Vaidya, MD, MMS; Gordon H. Williams, MD; Isabel Zheng; Tobias Else, MD; William E. Rainey, PhD

Effect of Rosuvastatin on Carotid Intima-Media Thickness in Children With Heterozygous Familial Hypercholesterolemia: The CHARON Study (Hypercholesterolemia in Children and Adolescents Taking Rosuvastatin Open Label)
Marjet J.A.M. Braamskamp, MD, PhD; Gisle Langslet, MD; Brian W. McCrindle, MD, MPH; David Cassiman, MD, PhD; Gordon A. Francis, MD; Claude Gagne, MD; Daniel Gaudet, MD, PhD; Katherine M. Morrison, MD; Albert Wiegman, MD, PhD; Traci Turner, MD; Elionor Miller, AB, MD; D. Meeike Kusters, MD, PhD; Joel S. Raichlen, MD; Paul D. Martin, PhD; Evan A. Stein, MD, PhD; John J.P. Kastelein, MD, PhD; Barbara A. Hutten, PhD, MSc

A Novel α-Calcitonin Gene-Related Peptide Analogue Protects Against End-Organ Damage in Experimental Hypertension, Cardiac Hypertrophy, and Heart Failure
Aisah A. Aubdool, BSc, MRes, PhD; Pratish Thakore, BSc, MSc; Fulye Argunhan, BSc, MSc; Sarah-Jane Smillie, BSc, PhD; Moritz Schnelle, MD, PhD; Salil Srivastava, BSc, MRes, PhD; Khadija M. Alawi, BSc, MSc, PhD; Elena Wilde, BSc; Jennifer Mitchell, BSc, MRes; Keith Farrell-Dillon, BSc, MSc; Daniel A. Richards, BSc, MRes, PhD; Giuseppe Maltese, MD; Richard C. Siow, BSc, PhD; Manasi Nandi, BSc, PhD; James E. Clark, BSc, PhD; Ajay M. Shah, MD, FMedSci; Anette Sams, MSc, PhD; Susan D. Brain, BSc, PhD

Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity: Evidence From Mouse and Human Studies
Yvonne Döring, PhD; Heidi Noels, PhD; Emiel P.C. van der Vorst, PhD; Carlos Neideck, MSc; Virginia Eega, PhD; Maik Drechsler, PhD; Manuela Mandl, PhD; Lukas Pawig, PhD; Yvonne Jansen, BS; Katrin Schröder, PhD; Kiril Bidzhekov, PhD; Remco T.A. Megens, PhD; Wendy Theelen, PhD; Barbara M. Klinkhammer, PhD; Peter Boor, MD, PhD; Leon Schurgers, PhD; Rick van Gorp, MSc; Christian Ries, PhD; Pascal J.H. Kusters, MSc; Allard van der Wal, MD, PhD; Tilman M. Hackeng, PhD; Gabor Gábel, MD; Ralf P. Brandes, MD; Oliver Soehnlein, MD, PhD; Esther Lutgens, MD, PhD; Dietmar Vestweber, PhD; Daniel Teupser, MD; Lesca M. Holdt, MD, PhD; Daniel J. Rader, MD; Danish Saleheen, MD; Christian Weber, MD

On the Cover: Circulation Doodle
This month’s doodle is in honor of Bastille Day, France’s National Day, la Fête nationale, which is celebrated on July 14th (le 14 juillet) each year. We would like to credit Kristine Ljones, PhD candidate, Department of Circulation and Medical Imaging, Faculty of Medicine and Health Sciences, Norwegian University of Science and Technology, for this doodle submission.
For more information about the doodle, go to http://circ.ahajournals.org/content/circulation-cover-doodle.
STATE OF THE ART

In Depth
Transcatheter Therapy for Mitral Regurgitation: Clinical Challenges and Potential Solutions
Paul Sorajja, MD; Martin B. Leon, MD; David H. Adams, MD; John G. Webb, MD; R. Saeid Farivar, MD, PhD

THE PULSE

From the Circulation Family
Highlights From the Circulation Family of Journals

CORRESPONDENCE

Research Letter
Health Resource Implications of Heart Failure Hospitalizations in Younger Patients Compared With Older Patients
Finlay A. McAlister, MD, MSc; Erik Youngson, MMath; Padma Kaul, PhD

Correspondence
Otto A. Smiseth, MD, PhD; Sherif F. Nagueh, MD; On behalf of the American Society of Echocardiography and European Association of Cardiovascular Imaging Diastology Writing Group

Response by Obokata and Borlaug to Letter Regarding Article, “Role of Diastolic Stress Testing in the Evaluation for Heart Failure With Preserved Ejection Fraction: A Simultaneous Invasive-Echocardiographic Study”
Masaru Obokata, MD, PhD; Barry A. Borlaug, MD

Kwang Kon Koh, MD, PhD

Response by Chatterjee et al to Letter Regarding Article, “Genetic Obesity and the Risk of Atrial Fibrillation: Causal Estimates From Mendelian Randomization”
Neal A. Chatterjee, MD, MSc; Daniel I. Chasman, PhD; Christine M. Albert, MD, MPH