On My Mind

Grounding Cardio-Oncology in Basic and Clinical Science
Javid Moslehi, MD; Dulguun Amgalan, MS; Richard N. Kitsis, MD

Evidence Supporting the Existence of a Distinct Obese Phenotype of Heart Failure With Preserved Ejection Fraction
Masaru Obokata, MD, PhD; Yogesh N.V. Reddy, MD; Sorin V. Pisters, MD, PhD; Vojtech Melenovsky, MD, PhD; Barry A. Borlaug, MD

Obese Heart Failure With Preserved Ejection Fraction Phenotype: From Pariah to Central Player
Dalane W. Kitzman, MD; Carolyn S.P. Lam, MBBS, PhD

Physiology of Angina and Its Alleviation With Nitroglycerin: Insights From Invasive Catheter Laboratory Measurements During Exercise
Kaleab N. Asress, PhD; Rupert Williams, PhD; Timothy Lockie, PhD; Muhammed Z. Khawaja, PhD; Kalpa De Silva, PhD; Matthew Lumley, PhD; Tiffany Patterson, MBBS; Satpal Arni, MBBS; Sana Ihsan, MBBS; Howard Ellis, MSc; Antoine Guilcher, PhD; Brian Clapp, PhD; Philipp J. Chowienczyk, MD, PhD; Sven Plein, MD, PhD; Divaka Perera, MD; Michael S. Marber, PhD; Simon R. Redwood, MD

Nitroglycerine and Angina: Evolving Clinical Coronary Physiology Beyond Fractional Flow Reserve and Coronary Flow Reserve
K. Lance Gould, MD; Nils P. Johnson, MD

Association Between Fetal Congenital Heart Defects and Maternal Risk of Hypertensive Disorders of Pregnancy in the Same Pregnancy and Across Pregnancies
Heather Allison Boyd, PhD; Saima Basit, MSc; Ida Behrens, MD, PhD; Elisabeth Leirgul, MD, PhD; Henning Bundgaard, MD, DrMed; Jan Wohlfahrt, MSc, DrMed; Mads Melbye, MD, DrMed; Nina Øyen, MD, MPH, DrMed

Preeclampsia and Fetal Congenital Heart Defects: Spurious Association or Maternal Confounding?
Basky Thilaganathan, MD, PhD

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.
ORIGINAL RESEARCH ARTICLES

**Effect of Long-Term Metformin and Lifestyle in the Diabetes Prevention Program and Its Outcome Study on Coronary Artery Calcium**

Ronald B. Goldberg, MD; Vanita R. Aroda, MD; David A. Bluemke, MD, PhD; Elizabeth Barrett-Connor, MD; Matthew Budoff, MD; Jill P. Crandall, MD; Dana Dabelea, MD, PhD; Edward S. Horton, MD; Kieren J. Mather, MD; Trevor J. Orchard, MD; David Schade, MD; Karol Watson, MD, PhD; Mariella Temprosa, PhD; for the Diabetes Prevention Program Research Group

**Long Noncoding RNA MANTIS Facilitates Endothelial Angiogenic Function**

Matthias S. Leisegang, PhD; Christian Fork, PhD; Ivana Josipovic, MSC; Florian Martin Richter, PhD; Jens Preussner, MSc; Jiong Hu, PhD; Matthew J. Miller, MSc; Jeremy Epah; Patrick Hofmann, MSc; Stefan Günther, PhD; Franziska Moll, MSc; Chani Valasarajaj, MSc; Juliana Heidler, PhD; Yuliya Ponomareva, MSc; Thomas M. Freiman, MD; Lars Maegdefessel, MD, PhD; Karl H. Plate, MD; Michel Mittelbronn, MD; Shizuka Uchida, PhD; Carsten Künne, PhD; Konstantinos Stellos, MD; Ralph T. Schermuly, PhD; Norbert Weissmann, PhD; Ilka Wittig, PhD; Reinier A. Boon, PhD; Stefanie Dimmeler, PhD; Soni Savai Pullamsetti, PhD; Mario Looso, PhD; Francis J. Miller, Jr., MD; Ralf P. Brandes, MD

**Melanocortin 1 Receptor Signaling Regulates Cholesterol Transport in Macrophages**

Petteri Rinne, PhD; Martina Rami, MSc; Salla Nuutinen, MSc; Donato Santovito, MD, PhD; Emiel P.C. van der Vorst, PhD; Raquel Guillamat-Prats, PhD; Leo-Pekka Lyytikainen, MSc, PhD; Emma Raatoharju, PhD; Niku Okala, MD, PhD, DSc; Larisa Ring, PhD; Minying Cai, PhD; Victor J. Hruby, PhD; Terho Lehtimäki, MD, PhD; Christian Weber, MD; Sabine Steffens, PhD

STATE OF THE ART

**White Paper**

*Is Cardioprotection Dead?*

David J. Lefer, PhD; Eduardo Marbán, MD, PhD

THE PULSE

**Cardiology News**

*Breaking Meeting News: ACC.17*

Bridget M. Kuehn

CASES AND TRACES

**ECG Challenge**

*Idiopathic Ventricular Fibrillation in a 29-Year-Old Man*

Leila Y. Beach, MD; Nora Goldschlager, MD; Joshua D. Moss, MD; Melvin M. Scheinman, MD

CORRESPONDENCE

**Correspondence**

*Letter by Cerit Regarding Article, “Recurrent Hospitalization Among Patients With Atrial Fibrillation Undergoing Intracoronary Stenting Treated With 2 Treatment Strategies of Rivaroxaban or a Dose-Adjusted Oral Vitamin K Antagonist Treatment Strategy”*

Levent Cerit, MD

*Response by Gibson and Fox to Letter Regarding Article, “Recurrent Hospitalization Among Patients With Atrial Fibrillation Undergoing Intracoronary Stenting Treated With 2 Treatment Strategies of Rivaroxaban or a Dose-Adjusted Oral Vitamin K Antagonist Treatment Strategy”*

C. Michael Gibson, MS, MD; Keith Fox, MD
CORRESPONDENCE

Letter by Koh Regarding Article, “Factorial Effects of Evolocumab and Atorvastatin on Lipoprotein Metabolism”  
Kwang Kon Koh, MD, PhD

Response by Watts et al to Letter Regarding Article, “Factorial Effects of Evolocumab and Atorvastatin on Lipoprotein Metabolism”  
Gerald F. Watts, DSc, PhD, DM; Dick C. Chan, PhD; Ransi Somaratne, MD, MBA; Scott M. Wasserman, MD; Marc S. Sabatine, MD, MPH