FRAME OF REFERENCE

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Introduction to the 2017 Cardiovascular Surgery–Themed Issue of Circulation
Marc Ruel, MD, MPH; Timothy J. Gardner, MD

ORIGINAL RESEARCH ARTICLES

Does Use of Bilateral Internal Mammary Artery Grafting Reduce Long-Term Risk of Repeat Coronary Revascularization?: A Multicenter Analysis
Alexander Iribarne, MD, MS; Joseph D. Schmoker, MD; David J. Malenka, MD; Bruce J. Leavitt, MD; Jock N. Quinn, MD; John D. Klemperer, MD; Gerald L. Sardella, MD; Robert S. Kramer, MD; Elaine M. Olmstead, BA; Anthony W. Discipio, MD; for The Northern New England Cardiovascular Disease Study Group

Editorial
Bilateral Versus Single Internal Mammary Artery Bypass Grafting: Do We Have the Answer?
Frank W. Sellke, MD

Study Comparing Vein Integrity and Clinical Outcomes in Open Vein Harvesting and 2 Types of Endoscopic Vein Harvesting for Coronary Artery Bypass Grafting: The VICO Randomized Clinical Trial (Vein Integrity and Clinical Outcomes)
Bhuvaneswari Krishnamoorthy, PhD; William R. Critchley, MRes; Alexander J. Thompson, MSc; Katherine Payne, PhD; Julie Morris, PhD; Rajamiyer V. Venkateswaran, MD; Ann L. Caress, PhD; James E. Fildes, PhD; Nizar Yonan, MD

Immediate and Midterm Cardiac Remodeling After Surgical Pulmonary Valve Replacement in Adults With Repaired Tetralogy of Fallot: A Prospective Cardiovascular Magnetic Resonance and Clinical Study
Ee Ling Heng, MBBS, BSc, MRCP, PhD; Michael A. Gatzoulis, MD, PhD, FESC; Anselm Uebing, MD, PhD; Babulal Sethia, FRCS; Hideki Uemura, MD, MPH, FRCS; Gillian C. Smith, PhD; Gerhard-Paul Diller, MD, PhD; Karen P. McCarthy, BSc, PhD; Siew Yen Ho, PhD, FRCPA, FESC; Wei Li, MD, PhD; Piers Wright, BSc, Veronica Spadotto, MD; Philip J Kühn, MD, PhD; Paul Oldershaw, FRCP, FESC; Darryl F. Shore, FRCS; Sonya V. Babu-Narayan, MB, BS, FRCP, PhD, FESC

Left Ventricular Assist Device Malfunctions: It Is More Than Just the Pump
Robert L. Kormos, MD; Michael McCall, MEng; Andrew Althouse, PhD; Luigi Lagazzi, MD; Richard Schaub, PhD; Michael A. Kormos, BME; Jared A. Zaldonis, BSCE; Christopher Sciortino, MD, PhD; Kathleen Lockard, RN; Nicole Kurtz, RN; Elizabeth Dunn, RN; Jeffrey J. Teuteberg, MD

A Population-Based Study of Abdominal Aortic Aneurysm Treatment in Finland 2000 to 2014
Matti T. Laine, MD; Sanni J. Laukontaus, MD, PhD; Reijo Sund, PhD; Pekka S. Ahonen, MD, PhD; Ilkka Kantonen, MD, PhD; Anders Albäck, MD, PhD; Maarat Venermo, MD, PhD

Editorial
Opportunities for Improving Population-Based Management of Abdominal Aortic Aneurysms
Matthew W. Mell, MD, MS

On the Cover: Circulation Doodle
This month’s doodle was submitted by Caitlin E. Kiehl, reader of the journal from Cleveland, Ohio. Caitlin’s husband, Erich, is an electrophysiology fellow at Cleveland Clinic. It is in honor of the United Nations. UN Day is celebrated on October 24.
For more information about the doodle, go to http://circ.ahajournals.org/content/circulation-cover-doodle.
ORIGINAL RESEARCH ARTICLES

The Optimal Timing of Stage 2 Palliation for Hypoplastic Left Heart Syndrome: An Analysis of the Pediatric Heart Network Single Ventricle Reconstruction Trial Public Data Set

James M. Meza, MD; Edward J. Hickey, MD; Eugene H. Blackstone, MD; Robert D.B. Jaquiss, MD; Brett R. Anderson, MD, MBA; William G. Williams, MD; Sally Cai, MSc; Glen S. Van Arsdell, MD; Tara Karamlou, MD, MSc; Brian W. McCrindle, MD, MPH

STATE OF THE ART

In Depth
Mechanisms, Consequences, and Prevention of Coronary Graft Failure

Mario Gaudino, MD; Charalambos Antoniades, MD; Umberto Benedetto, MD; Saswata Deb, MD; Antonino Di Franco, MD; Gabriele Di Giammarco, MD; Stephen Freames, MD; David Gilmore, MD; Juan Grau, MD; Guo-Wei He, MD; Daniele Marinelli, MD; Lucas B. Ohmes, MD; Carlo Patrano, MD; John Puskas, MD; Robert Tranbaugh, MD; Leonard N. Girardi, MD; David P. Taggart, MD; The ATLANTIC (Arterial Grafting International Consortium) Alliance

CORRESPONDENCE

Research Letter
Interventions and Outcomes in Children With Hypoplastic Left Heart Syndrome Born in England and Wales Between 2000 and 2015 Based on the National Congenital Heart Disease Audit

Libby Rogers, MMath; Christina Pagel, PhD; Ian D. Sullivan, MD, FRCP; Muhammed Mustafa, MD; Victor Tsang, MS, FRCS; Martin Utley, PhD; Catherine Bull, MRCP; Rodney C. Franklin, MD, FRCP; Katherine L. Brown, MPH, MD