FRAME OF REFERENCE

Point/Counterpoint

Complete Immediate Revascularization of the Patient With ST-Segment–Elevation Myocardial Infarction Is the New Standard of Care

Keith G. Oldroyd, MB, ChB

Not So Fast: Complete Revascularization of the ST-Segment–Elevation Myocardial Infarction Patient Is Not Yet Proven

Ravinay Bhindi, MBBS, PhD; Adrian P. Banning, MD

ORIGINAL RESEARCH ARTICLES

Weight Loss and Heart Failure: A Nationwide Study of Gastric Bypass Surgery Versus Intensive Lifestyle Treatment

Johan Sundström, MD, PhD; Gustaf Bruze, PhD; Johan Ottosson, MD, PhD; Claude Marcus, MD, PhD; Ingmar Näslund, MD, PhD; Martin Neovius, PhD

Comparison of the Efficacy and Safety of Early Rule-Out Pathways for Acute Myocardial Infarction

Andrew R. Chapman, MD; Atul Anand, MD; Jasper Boeddinghaus, MD; Amy V. Ferry, BSc; Dennis Sandeman, MSc; Joho Cs. Cupa, MD; Tobias Bürge, MD; Patrick Mächler, MD; Sydney Corbière, MD; Karin Grimm, MD; Maria Rubini Giménez, MD; Christian Puelacher, MD; Jakob Fuhrmann, MS; Petra Hillinger, MD; Zaid Sabti, MD; Ursina Honegger, MSc; Nikola Kozhuharov, MD; Katharina Rentsch, PhD; Òscar Miro, MD; Beatriz López, MD; F. Javier Martin-Sanchez, MD; Esther Rodríguez-Atrad, MD; Beata Morawiec, MD; Damian Kawecki, MD; Eva Ganovská, MD; Jiri Parenica, MD; Jens Lohmann, MD; Tobias Rechlin, MD; Christian Geigy, MD; Dagmar I. Keller, MD; Stefan Osswald, MD; Tobias Rechlin, MD; Christian Mueller, MD

Direct Comparison of 4 Very Early Rule-Out Strategies for Acute Myocardial Infarction Using High-Sensitivity Cardiac Troponin I

Jasper Boeddinghaus, MD; Thomas Nestelberger, MD; Raphael Twerenbold, MD; Patrick Badertscher, MD; Janosch Cupa, MD; Tobias Bürge, MD; Patrick Mächler, MD; Karin Grimm, MD; Maria Rubini Giménez, MD; Christian Puelacher, MD; Samyut Shrestha, MD; Dayana Flores Widmer, MD; Jakob Fuhrmann, MS; Petra Hillinger, MD; Zaid Sabti, MD; Ursina Honegger, MSc; Nikola Kozhuharov, MD; Katharina Rentsch, PhD; Òscar Miro, MD; Beatriz López, MD; F. Javier Martin-Sanchez, MD; Esther Rodríguez-Atrad, MD; Beata Morawiec, MD; Damian Kawecki, MD; Eva Ganovská, MD; Jiri Parenica, MD; Jens Lohmann, MD; Wanda Klous, MD; Andreas Buser, MD; Nicolas Geigy, MD; Dagmar I. Keller, MD; Stefan Osswald, MD; Tobias Rechlin, MD; Christian Mueller, MD

Editorial

Clinician’s Guide to Early Rule–Out Strategies With High-Sensitivity Cardiac Troponin I

David A. Morrow, MD, MPH

Potential Deaths Averted and Serious Adverse Events Incurred From Adoption of the SPRINT (Systolic Blood Pressure Intervention Trial) Intensive Blood Pressure Regimen in the United States: Projections From NHANES (National Health and Nutrition Examination Survey)

Adam P. Bress, PharmD, MS; Holly Kramer, MD, MPH; Rasha Khatib, PhD; Srinivasan Beddhu, MD; Alfred K. Cheung, MD; Rachel Hess, MS; Vinod K. Bansal, MD; Guichan Cao, MS; Jerry Yee, MD; Andrew E. Morlan, MD, MPH; Ramon Durazo-Arvizu, PhD; Paul Munther, PhD; Richard S. Cooper, MD

On the Cover: Circulation Doodle

This month’s doodle is in honor of Earth month.

For more information about the doodle, go to http://circ.ahajournals.org/content/circulation-cover-doodle.
ORIGINAL RESEARCH ARTICLES

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Hypertension Treatment and Outcomes in the Era of Population Health, Coordinated Care, and Medicare Access and CHIP Reauthorization Act (MACRA)
Robert A. Phillips, MD, PhD

Sheet-Like Remodeling of the Transverse Tubular System in Human Heart Failure Impairs Excitation-Contraction Coupling and Functional Recovery by Mechanical Unloading
Thomas Seidel, MD, PhD; Sutip Navankasattusas, PhD; Azmi Ahmad, BSc; Nikolaos A. Drakos, MD, PhD; Weining David Xu, MD; Martin Tristani-Firouzi, MD; Michael J. Bonios, MD, PhD; Iosif Taleb, MD; Dean Y. Li, MD, PhD; Craig H. Selzman, MD; Stavros G. Drakos, MD, PhD; Frank B. Sachse, PhD

Editorial
Subcellular Remodeling of the T-Tubule Membrane System: The Limits of Myocardial Recovery Revealed?
J. Eduardo Rame, MD, MPhil; Sergio Lavandero, PhD

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In Depth
Emerging Affinity-Based Proteomic Technologies for Large-Scale Plasma Profiling in Cardiovascular Disease
J. Gustav Smith, MD, PhD; Robert E. Gerszten, MD

CLINICAL STATEMENTS AND GUIDELINES

AHA Scientific Statement
Diagnosis, Treatment, and Long-Term Management of Kawasaki Disease: A Scientific Statement for Health Professionals From the American Heart Association
Brian W. McCrindle, MD, MPH, FAHA, Chair; Anne H. Rowley, MD, Jane W. Newburger, MD, MPH, FAHA; Jane C. Burns, MD; Anne F. Bolger, MD, FAHA; Michael Gewitz, MD, FAHA; Annette L. Baker, MSN, RN, CPNP; Mary Anne Jackson, MD; Masato Takahashi, MD, FAHA; Pinak B. Shah, MD; Tohru Kobayashi, MD, PhD; Mei-Hwan Wu, MD, PhD; Tsuchiya T. Saji, MD, FAHA, EFriede Pahl, MD, FAHA, Co-Chair; On behalf of the American Heart Association Rheumatic Fever, Endocarditis, and Kawasaki Disease Committee of the Council on Cardiovascular Disease in the Young; Council on Cardiovascular and Stroke Nursing; Council on Cardiovascular Surgery and Anesthesia; and Council on Epidemiology and Prevention

THE PULSE

From the Circulation Family
Highlights From the Circulation Family of Journals

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Research Letter
Gut Microbe-Generated Trimethylamine N-Oxide From Dietary Choline Is Prothrombotic in Subjects
Weifei Zhu, PhD; Zeneng Wang, PhD; W. H. Wilson Tang, MD; Stanley L. Hazen, MD, PhD

Correspondence
Letter by Downey and Cohen Regarding Article, “Protective Effects of Ticagrelor on Myocardial Injury After Infarction”
James M. Downey, PhD; Michael V. Cohen, MD
CORRESPONDENCE

Letter by Fernandez-Jimenez et al Regarding Article, “Protective Effects of Ticagrelor on Myocardial Injury After Infarction” e1002
Rodrigo Fernandez-Jimenez, MD; Javier Sanchez-Gonzalez, PhD; Borja Ibanez, MD, PhD

Response by Vilahur et al to Letters Regarding Article, “Protective Effects of Ticagrelor on Myocardial Injury After Infarction” e1004
Gemma Vilahur, PhD; Manuel Gutiérrez, MD; Laura Casani, PhD, DVM; Lourdes Varela, PhD; Antoni Capdevila, MD; Guillem Pons-Lladó, MD; Francesc Carreras, MD, PhD; Leif Carlsson, PhD; Alberto Hidalgo, MD, PhD; Lina Badimon, PhD

Letter by Koh Regarding Article, “Pleiotropic Effects of PCSK9 (Proprotein Convertase Subtilisin/Kexin Type 9) Inhibitors?” e1006
Kwang Kon Koh, MD, PhD