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e007761. DOI: 10.1161/JAHA.117.007761.

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Mark Gilchrist and Angela Shore
e007782. DOI: 10.1161/JAHA.117.007782.

Initial Single-Pill Blood Pressure-Lowering Therapy: Should It Be for Most People?

Omar Al Dhabyi and George L. Bakris
e007760. DOI: 10.1161/JAHA.117.007760.

Original Research

Arrhythmia and Electrophysiology

Thoracic Epidural Anesthesia Can Be Effective for the Short-Term Management of Ventricular Tachycardia Storm

Duc H. Do, Jason Bradfield, Olujimi A. Ajijola, Marmar Vaseghi, John Le, Siamak Rahman, Aman Mahajan, Akihiko Nogami, Noel G. Boyle, and Kalyanam Shivkumar
e007080. DOI: 10.1161/JAHA.117.007080.

Swine Atrioventricular Node Ablation Using Stereotactic Radiosurgery: Methods and In Vivo Feasibility Investigation for Catheter-Free Ablation of Cardiac Arrhythmias

Marwan M. Refaat, Jad A. Ballout, Patrick Zakka, Mostafa Hotait, Karine A. Al Feghali, Ibrahim Abu Gheida, Charbel Saade, Mukbil Hourani, Fady Geara, Malek Tabbal, Pierre Sfeir, Wassim Jalbout, Wael Al-Jaroudi, Abdo Jurjus, and Bassem Youssef
e007193. DOI: 10.1161/JAHA.117.007193.

Dysfunction of Myosin Light-Chain 4 (MYL4) Leads to Heritable Atrial Cardiomyopathy With Electrical, Contractile, and Structural Components: Evidence From Genetically-Engineered Rats

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e007030. DOI: 10.1161/JAHA.117.007030.

Impact of Atrial Fibrillation on Exercise Capacity and Mortality in Heart Failure With Preserved Ejection Fraction: Insights From Cardiopulmonary Stress Testing

Mohamed B. Elshazly, Todd Senn, Yuping Wu, Bruce Lindsay, Walid Saliba, Oussama Wazni, and Leslie Cho
e006662. DOI: 10.1161/JAHA.117.006662.

Association Between Leukocyte Telomere Length and the Risk of Incident Atrial Fibrillation: The Framingham Heart Study

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e006541. DOI: 10.1161/JAHA.117.006541.

Cardiovascular Surgery

Differential Impact of Serial Measurement of Nonplatelet Thromboxane Generation on Long-Term Outcome After Cardiac Surgery

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e007486. DOI: 10.1161/JAHA.117.007486.

Effect of Febuxostat on Ambulatory Blood Pressure in Subjects With Hyperuricemia and Hypertension: A Phase 2 Randomized Placebo-Controlled Study

Lhanoo Gunawardhana, Lachy McLean, Henry A. Punzi, Barbara Hunt, Robert N. Palmer, Andrew Whelton, and Daniel I. Feig
e006683. DOI: 10.1161/JAHA.117.006683.

Congenital Heart Disease

Essentiality of Regulator of G Protein Signaling 6 and Oxidized Ca²⁺/Calmodulin-Dependent Protein Kinase II in Notch Signaling and Cardiovascular Development

Bandana Chakravarti, Jianqi Yang, Katelin E. Ahlers-Dannen, Zili Luo, Heather A. Flaherty, David K. Meyerholz, Mark E. Anderson, and Rory A. Fisher
e007038. DOI: 10.1161/JAHA.117.007038.

Time in Therapeutic Range, as a Determinant of All-Cause Mortality in Patients With Hypertension

Michael Doumas, Costas Tsioufis, Ross Fletcher, Richard Amdur, Charles Faselis, and Vasilios Papademetriou
e007131. DOI: 10.1161/JAHA.117.007131.

Coronary Heart Disease

Prognostic Impact of Subsequent Acute Coronary Syndrome and Unplanned Revascularization on Long-Term Mortality After an Index Percutaneous Coronary Intervention: A Report From a Japanese Multicenter Registry

Taku Inohara, Shun Kohsaka, Hiroaki Miyata, Mitsuaki Sawano, Ikuko Ueda, Yuichiro Maekawa, Keiichi Fukuda, Philip G. Jones, David J. Cohen, Zhenxiang Zhao, John A. Spertus, and Kim G. Smolderen
e006529. DOI: 10.1161/JAHA.117.006529.

Attenuated Superoxide Dismutase 2 Activity Induces Atherosclerotic Plaque Instability During Aging in Hyperlipidemic Mice

Aleksandr E. Vendrov, Mark D. Stevenson, Samthosh Alahari, Hua Pan, Samuel A. Wickline, Nageswara R. Madamanchi, and Marschall S. Runge
e006775. DOI: 10.1161/JAHA.117.006775.

Impact of Diabetes Mellitus on the Evaluation of Stable Chest Pain Patients: Insights From the PROMISE (Prospective Multicenter Imaging Study for Evaluation of Chest Pain) Trial

Abhinav Sharma, Nishant K. Sekaran, Adrian Coles, Neha J. Pagidipati, Udo Hoffmann, Daniel B. Mark, Kerry L. Lee, Hussein R. Al-Khalidi, Michael T. Lu, Patricia A. Pellikka, Quynh A. Truong, and Pamela S. Douglas
e007019. DOI: 10.1161/JAHA.117.007019.

Clinical Predictors for Lack of Favorable Vascular Response to Statin Therapy in Patients With Coronary Artery Disease: A Serial Optical Coherence Tomography Study

Yoshiyasu Minami, Zhao Wang, Aaron D. Aguirre, Daniel S. Ong, Chong-Jin Kim, Shiro Uemura, Tsunenari Soeda, Hang Lee, James Fujimoto, and Ik-Kyung Jang
e006241. DOI: 10.1161/JAHA.117.006241.

Neopterin as an Effect Modifier of the Cardiovascular Risk Predicted by Total Homocysteine: A Prospective 2-Cohort Study

Espen Ø. Bjørnstad, Robert A. Borsholm, Gard F. T. Svingen, Eva R. Pedersen, Reinhard Seifert, Øivind Middtun, Per M. Ueland, Grethe S. Tell, Kaare H. Bønaa, and Ottar Nygård
e006500. DOI: 10.1161/JAHA.117.006500.

Double-Dose Versus Standard-Dose Clopidogrel According to Smoking Status Among Patients With Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention

Matthias Bossard, Christopher B. Granger, Jean-Francois Tanguay, Gilles Montalescot, David P. Faxon, Sanjit S. Jolly, Petr Widimsky, Kari Niemela, Philippe Gabriel Steg, Madhu K. Natarajan, Peggy Gao, Keith A. A. Fox, Salim Yusuf, and Shamir R. Mehta
e006577. DOI: 10.1161/JAHA.117.006577.

One-Year Outcome of Intensive Insulin Therapy Combined to Glucose-Insulin-Potassium in Acute Coronary Syndrome: A Randomized Controlled Study

Wahid Bouida, Kaouther Beltaief, Mohamed Amine Msolli, Nasri Bzeouich, Adel Sekma, Malek Echeikh, Malek Mzali, Hamdi Boubaker, Mohamed Habib Grissa, Riadh Boukef, Mohsen Hassine, Zohra Dridi, Asma Belguith, Fadhel Najjar, Ines Khochtali, and Semir Nouria, on behalf of the GREAT Network

e006674. DOI: 10.1161/JAHA.117.006674.

Derivation and Validation of a Geriatric-Sensitive Perioperative Cardiac Risk Index

Rami Alrezk, Nicholas Jackson, Mohanad Al Rezk, Robert Elashoff, Nancy Weintraub, David Elashoff, and Gregg C. Fonarow

e006648. DOI: 10.1161/JAHA.117.006648.

Variations in Use of Optimal Medical Therapy in Patients With Nonobstructive Coronary Artery Disease: A Population-Based Study

Adam Oxner, Gabby Elbaz-Greener, Feng Qui, Shannon Masih, Nevena Zivkovic, Sami Alnasser, Asim N. Cheema, and Harindra C. Wijeyesundera

e007526. DOI: 10.1161/JAHA.117.007526.

Epidemiology

Coronary Artery Calcification (CAC) and Post-Trial Cardiovascular Events and Mortality Within the Women's Health Initiative (WHI) Estrogen-Alone Trial

Indu G. Poornima, Rachel H. Mackey, Matthew A. Allison, JoAnn E. Manson, J. Jeffrey Carr, Michael J. LaMonte, Yuefang Chang, and Lewis H. Kuller, for the WHI and WHI-CAC Study Investigators

e006887. DOI: 10.1161/JAHA.117.006887.

Plasma Metabolites From Choline Pathway and Risk of Cardiovascular Disease in the PREDIMED (Prevention With Mediterranean Diet) Study

Marta Guasch-Ferré, Frank B. Hu, Miguel Ruiz-Canela, Mònica Bulló, Estefanía Toledo, Dong D. Wang, Dolores Corella, Enrique Gómez-Gracia, Miquel Fiol, Ramon Estruch, José Lapetra, Montserrat Fitó, Fernando Arós, Lluís Serra-Majem, Emilio Ros, Courtney Dennis, Liming Liang, Clary B. Clish, Miguel A. Martínez-González, and Jordi Salas-Salvadó

e006524. DOI: 10.1161/JAHA.117.006524.

Strength Training and All-Cause, Cardiovascular Disease, and Cancer Mortality in Older Women: A Cohort Study

Masamitsu Kamada, Eric J. Shiroma, Julie E. Buring, Motohiko Miyachi, and I-Min Lee

e007677. DOI: 10.1161/JAHA.117.007677.

Adolescent Childbirth Is Associated With Greater Framingham Risk Scores for Cardiovascular Disease Among Participants of the IMIAS (International Mobility in Aging Study)

Nicole T. A. Rosendaal, Beatriz Alvarado, Yan Yan Wu, Maria P. Velez, Saionara M. Aires da Câmara, and Catherine M. Pirkle

e007058. DOI: 10.1161/JAHA.117.007058.

Duration of Reproductive Life Span, Age at Menarche, and Age at Menopause Are Associated With Risk of Cardiovascular Disease in Women

Sylvia H. Ley, Yanping Li, Deirdre K. Tobias, JoAnn E. Manson, Bernard Rosner, Frank B. Hu, and Kathryn M. Rexrode

e006713. DOI: 10.1161/JAHA.117.006713.

Cholesterol Control Among Uninsured Adults Did Not Improve From 2001-2004 to 2009-2012 as Disparities With Both Publicly and Privately Insured Adults Doubled

Brent M. Egan, Jiexiang Li, Sara M. Sarasua, Robert A. Davis, Kevin A. Fiscella, Jonathan N. Tobin, Daniel W. Jones, and Angelo Sinopoli

e006105. DOI: 10.1161/JAHA.117.006105.

Counterclockwise and Clockwise Rotation of QRS Transitional Zone: Prospective Correlates of Change and Time-Varying Associations With Cardiovascular Outcomes

Siddharth Patel, Lucia Kwak, Sunil K. Agarwal, Larisa G. Tereshchenko, Josef Coresh, Elsayed Z. Soliman, and Kunihiro Matsushita

e006281. DOI: 10.1161/JAHA.117.006281.

Cardiovascular Effects of Long-Term Exposure to Air Pollution: A Population-Based Study With 900 845 Person-Years of Follow-up

Hyeonji Kim, Joonghee Kim, Sunhwa Kim, Si-Hyuck Kang, Hee-Jun Kim, Ho Kim, Jongbae Heo, Seung-Muk Yi, Kyuseok Kim, Tae-Jin Youn, and In-Ho Chae

e007170. DOI: 10.1161/JAHA.117.007170.

Bleeding Complications in Anticoagulated Patients With Atrial Fibrillation and Sepsis: A Propensity-Weighted Cohort Study

Mette Søgaard, Flemming Skjøth, Jette Nordstrøm Kjældgaard, Gregory Y. H. Lip, and Torben Bjerregaard Larsen

e007453. DOI: 10.1161/JAHA.117.007453.

Circulating Total Bilirubin and Future Risk of Hypertension in the General Population: The Prevention of Renal and Vascular End-Stage Disease (PREVEND) Prospective Study and a Mendelian Randomization Approach

Setor K. Kunutsor, Lyanne M. Kieneker, Stephen Burgess, Stephan J.L. Bakker, and Robin P.F. Dullaart

e006503. DOI: 10.1161/JAHA.117.006503.

Disparities in the Quality of Cardiovascular Care Between HIV-Infected Versus HIV-Uninfected Adults in the United States: A Cross-Sectional Study

Joseph A. Ladapo, Adam K. Richards, Cassandra M. DeWitt, Nina T. Harawa, Steven Shoptaw, William E. Cunningham, and John N. Mafi

e007107. DOI: 10.1161/JAHA.117.007107.

Plasma Nitrate and Incidence of Cardiovascular Disease and All-Cause Mortality in the Community: The Framingham Offspring Study

Renke Maas, Vanessa Xanthakis, Thomas Göen, Johannes Müller, Edzard Schwedhelm, Rainer H. Böger, and Ramachandran Vasam

e006224. DOI: 10.1161/JAHA.117.006224.

Genetics

Genetic Variation at the *ADAMTS7* Locus is Associated With Reduced Severity of Coronary Artery Disease

Kenneth Chan, Xiangyuan Pu, Pratik Sandesara, Robin N. Poston, Iain A. Simpson, Arshed A. Quyyumi, Shu Ye, and Riyaz S. Patel

e006928. DOI: 10.1161/JAHA.117.006928.

Deep RNA Sequencing Uncovers a Repertoire of Human Macrophage Long Intergenic Noncoding RNAs Modulated by Macrophage Activation and Associated With Cardiometabolic Diseases

Hanrui Zhang, Chenyi Xue, Ying Wang, Jianting Shi, Xuan Zhang, Wenjun Li, Sara Nunez, Andrea S. Foulkes, Jennie Lin, Christine C. Hinkle, Wenli Yang, Edward E. Morrisey, Daniel J. Rader, Mingyao Li, and Muredach P. Reilly

e007431. DOI: 10.1161/JAHA.117.007431.

Health Services and Outcomes Research

Comparative Risk of Cardiovascular Outcomes Between Topical and Oral Nonselective NSAIDs in Taiwanese Patients With Rheumatoid Arthritis

Tzu-Chieh Lin, Daniel H. Solomon, Sara K. Tedeschi, Kazuki Yoshida, and Yea-Huei Kao Yang

e006874. DOI: 10.1161/JAHA.117.006874.

Comparison of Inappropriate Shocks and Other Health Outcomes Between Single- and Dual-Chamber Implantable Cardioverter-Defibrillators for Primary Prevention of Sudden Cardiac Death: Results From the Cardiovascular Research Network Longitudinal Study of Implantable Cardioverter-Defibrillators

Pamela N. Peterson, Robert T. Greenlee, Alan S. Go, David J. Magid, Andrea Cassidy-Bushrow, Romel Garcia-Montilla, Karen A. Glenn, Jerry H. Gurwitz, Stephen C. Hammill, John Hayes, Alan Kadish, Kristi Reynolds, Param Sharma, David H. Smith, Paul D. Varosy, Humberto Vidaillet, Chan X. Zeng, Sharon-Lise T. Normand, and Frederick A. Masoudi

e006937. DOI: 10.1161/JAHA.117.006937.

Systolic Blood Pressure Response in SPRINT (Systolic Blood Pressure Intervention Trial) and ACCORD (Action to Control Cardiovascular Risk in Diabetes): A Possible Explanation for Discordant Trial Results

Chenxi Huang, Sanket S. Dhruva, Andreas C. Coppi, Frederick Warner, Shu-Xia Li, Haiqun Lin, Khurram Nasir, and Harlan M. Krumholz

e007509. DOI: 10.1161/JAHA.117.007509.

Heart Failure

Prognostic Value of Cardiopulmonary Exercise Testing in Heart Failure With Reduced, Midrange, and Preserved Ejection Fraction

Wilson Nadruz Jr, Erin West, Morten Sengeløv, Mário Santos, John D. Groarke, Daniel E. Forman, Brian Claggett, Hicham Skali, and Amil M. Shah

e006000. DOI: 10.1161/JAHA.117.006000.

Loss of Female Sex Hormones Exacerbates Cerebrovascular and Cognitive Dysfunction in Aortic Banded Miniswine Through a Neuropeptide Y-Ca²⁺-Activated Potassium Channel-Nitric Oxide Mediated Mechanism

T. Dylan Olver, Jessica A. Hiemstra, Jenna C. Edwards, Todd R. Schachtman, Cheryl M. Heesch, Paul J. Fadel, M. Harold Laughlin, and Craig A. Emter

e007409. DOI: 10.1161/JAHA.117.007409.

Racial and Ethnic Differences in Trajectories of Hospitalization in US Men and Women With Heart Failure

Matthew E. Dupre, Danan Gu, Hanzhang Xu, Janese Willis, Lesley H. Curtis, and Eric D. Peterson

e006290. DOI: 10.1161/JAHA.117.006290.

Regional Validation and Recalibration of Clinical Predictive Models for Patients With Acute Heart Failure

Benjamin S. Wessler, Robin Ruthazer, James E. Udelson, Mihai Gheorghiu, Faiez Zannad, Aldo Maggioni, Marvin A. Konstam, and David M. Kent

e006121. DOI: 10.1161/JAHA.117.006121.

Hypertension

Associations of Nocturnal Blood Pressure With Cognition by Self-Identified Race in Middle-Aged and Older Adults: The GENOA (Genetic Epidemiology Network of Arteriopathy) Study

Yuichiro Yano, Kenneth R. Butler, Michael E. Hall, Gary L. Schwartz, David S. Knopman, Seth T. Lirette, Daniel W. Jones, James G. Wilson, John E. Hall, Adolfo Correa, Stephen T. Turner, and Thomas H. Mosley

e007022. DOI: 10.1161/JAHA.117.007022.

Wave Intensity Analysis Provides Novel Insights Into Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension

Junjing Su, Charlotte Manisty, Kim H. Parker, Ulf Simonsen, Jens Erik Nielsen-Kudsk, Soren Mellekjaer, Susan Connolly, P. Boon Lim, Zachary I. Whinnett, Iqbal S. Malik, Geoffrey Watson, Justin E. Davies, Simon Gibbs, Alun D. Hughes, and Luke Howard

e006679. DOI: 10.1161/JAHA.117.006679.

Genetic Variants Associated With Uncontrolled Blood Pressure on Thiazide Diuretic/ β -Blocker Combination Therapy in the PEAR (Pharmacogenomic Evaluation of Antihypertensive Responses) and INVEST (International Verapamil-SR Trandolapril Study) Trials

Oyunbileg Magvanjav, Yan Gong, Caitrin W. McDonough, Arlene B. Chapman, Stephen T. Turner, John G. Gums, Kent R. Bailey, Eric Boerwinkle, Amber L. Beitelshes, Toshihiro Tanaka, Michiaki Kubo, Carl J. Pepine, Rhonda M. Cooper-DeHoff, and Julie A. Johnson

e006522. DOI: 10.1161/JAHA.117.006522.

SDF-1 α (Stromal Cell-Derived Factor 1 α) Induces Cardiac Fibroblasts, Renal Microvascular Smooth Muscle Cells, and Glomerular Mesangial Cells to Proliferate, Cause Hypertrophy, and Produce Collagen

Edwin K. Jackson, Yumeng Zhang, Delbert D. Gillespie, Xiao Zhu, Dongmei Cheng, and Travis C. Jackson

e007253. DOI: 10.1161/JAHA.117.007253.

Nebivolol, But Not Metoprolol, Treatment Improves Endothelial Fibrinolytic Capacity in Adults With Elevated Blood Pressure

Brian L. Stauffer, Caitlin A. Dow, Kyle J. Diehl, Tyler D. Bammert, Jared J. Greiner, and Christopher A. DeSouza

e007437. DOI: 10.1161/JAHA.117.007437.

Combination Therapy Is Superior to Sequential Monotherapy for the Initial Treatment of Hypertension: A Double-Blind Randomized Controlled Trial

Thomas M. MacDonald, Bryan Williams, David J. Webb, Steve Morant, Mark Caulfield, J. Kennedy Cruickshank, Ian Ford, Peter Sever, Isla S. Mackenzie, Sandosh Padmanabhan, Gerald P. McCann, Jackie Salisbury, Gordon McInnes, and Morris J. Brown, for The British Hypertension Society Programme of Prevention And Treatment of Hypertension With Algorithm-based Therapy (PATHWAY)
e006986. DOI: 10.1161/JAHA.117.006986.

Combining ECG Criteria for Left Ventricular Hypertrophy Improves Risk Prediction in Patients With Hypertension

Peter M. Okin, Darcy A. Hille, Sverre E. Kjeldsen, and Richard B. Devereux
e007564. DOI: 10.1161/JAHA.117.007564.

Hypertension in Obese Black Women is Not Caused by Increased Sympathetic Vascular Tone

Alejandro Marinos, Alfredo Gamboa, Jorge E. Celedonio, Brock A. Preheim, Luis E. Okamoto, Claudia E. Ramirez, Amy C. Arnold, Andre Diedrich, Italo Biaggioni, and Cyndya A. Shibao
e006971. DOI: 10.1161/JAHA.117.006971.

Imaging

Predictors of Mortality in Patients With Severe Ischemic Cardiomyopathy Undergoing Surgical Mitral Valve Intervention

Kenya Kusunose, Nancy A. Obuchowski, Marc Gillinov, Zoran B. Popovic, Scott D. Flamm, Brian P. Griffin, and Deborah H. Kwon
e007163. DOI: 10.1161/JAHA.117.007163.

Interventional Cardiology

Index of Microcirculatory Resistance at the Time of Primary Percutaneous Coronary Intervention Predicts Early Cardiac Complications: Insights From the OxAMI (Oxford Study in Acute Myocardial Infarction) Cohort

Gregor Fahrni, Mathias Wolfrum, Giovanni Luigi De Maria, Florim Cuculi, Sam Dawkins, Mohammad Alkhalil, Niket Patel, John C. Forfar, Bernard D. Prendergast, Robin P. Choudhury, Keith M. Channon, Adrian P. Banning, and Rajesh K. Kharbanda
e005409. DOI: 10.1161/JAHA.116.005409.

Very Late Pathological Responses to Cobalt–Chromium Everolimus-Eluting, Stainless Steel Sirolimus-Eluting, and Cobalt–Chromium Bare Metal Stents in Humans

Hiroyoshi Mori, Dheeraj R. Atmakuri, Sho Torii, Ryan Braumann, Samantha Smith, Hiroyuki Jinnouchi, Anuj Gupta, Emanuel Harari, Melsi Shkullaku, Robert Kutys, David Fowler, Maria Romero, Renu Virmani, and Alope V. Finn
e007244. DOI: 10.1161/JAHA.117.007244.

Elevated Baseline Serum Fibrinogen: Effect on 2-Year Major Adverse Cardiovascular Events Following Percutaneous Coronary Intervention

Lawrence Ang, Omid Behnamfar, Samhita Palakodeti, Felice Lin, Ali Pourdjabbar, Mitul P. Patel, Ryan R. Reeves, and Ehtisham Mahmud
e006580. DOI: 10.1161/JAHA.117.006580.

Molecular Cardiology

MicroRNA-130a, a Potential Antifibrotic Target in Cardiac Fibrosis

Li Li, Kelsey R. Bounds, Piyali Chatterjee, and Sudhiranjan Gupta
e006763. DOI: 10.1161/JAHA.117.006763.

Pediatric Cardiology

Impaired Central Pulsatile Hemodynamics in Children and Adolescents With Marfan Syndrome

Andrea Grillo, Paolo Salvi, Susan Marelli, Lan Gao, Lucia Salvi, Andrea Faini, Giuliana Trifirò, Renzo Carretta, Alessandro Pini, and Gianfranco Parati
e006815. DOI: 10.1161/JAHA.117.006815.

Occurrence and Features of Childhood Myocarditis: A Nationwide Study in Finland

Anita Arola, Essi Pikkarainen, Jussi OT Sipilä, Jouni Pykärä, Päivi Rautava, and Ville Kytö
e005306. DOI: 10.1161/JAHA.116.005306.

Preventive Cardiology

Impaired Fasting Glucose Is the Major Determinant of the 20-Year Mortality Risk Associated With Metabolic Syndrome in Nondiabetic Patients With Stable Coronary Artery Disease

Arwa Younis, Ronen Goldkorn, Ilan Goldenberg, Diklah Geva, Boaz Tzur, Anna Mazu, Anan Younis, Zvi Fisman, Alexander Tannenbaum, and Robert Klempfner

e006609. DOI: 10.1161/JAHA.117.006609.

Neurohormonal Blockade and Circulating Cardiovascular Biomarkers During Anthracycline Therapy in Breast Cancer Patients: Results From the PRADA (Prevention of Cardiac Dysfunction During Adjuvant Breast Cancer Therapy) Study

Geeta Gulati, Siri L. Heck, Helge Røsjø, Anne H. Ree, Pavel Hoffmann, Tor-Arne Hagve, Jon Norseth, Berit Gravdehaug, Kjetil Steine, Jürgen Geisler, and Torbjørn Omland

e006513. DOI: 10.1161/JAHA.117.006513.

Eligibility for PCSK9 Inhibitors According to American College of Cardiology (ACC) and European Society of Cardiology/European Atherosclerosis Society (ESC/EAS) Guidelines After Acute Coronary Syndromes

Baris Gencer, Konstantinos C. Koskinas, Lorenz Räber, Alexios Karagiannis, David Nanchen, Reto Auer, David Carballo, Sebastian Carballo, Roland Klingenberg, Dik Heg, Christian M. Matter, Thomas F. Lüscher, Nicolas Rodondi, François Mach, and Stephan Windecker

e006537. DOI: 10.1161/JAHA.117.006537.

Efficacy and Safety of Adding Ezetimibe to Statin Therapy Among Women and Men: Insight From IMPROVE-IT (Improved Reduction of Outcomes: Vytorin Efficacy International Trial)

Eri Toda Kato, Christopher P. Cannon, Michael A. Blazing, Erin Bohula, Sema Guneri, Jennifer A. White, Sabina A. Murphy, Jeong-Gun Park, Eugene Braunwald, and Robert P. Giugliano

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Resuscitation Science

Mechanical Cardiopulmonary Resuscitation and Hospital Survival Among Adult Patients With Nontraumatic Out-of-Hospital Cardiac Arrest Attending the Emergency Department: A Prospective, Multicenter, Observational Study in Japan (SOS-KANTO [Survey of Survivors after Out-of-Hospital Cardiac Arrest in Kanto Area] 2012 Study)

Kei Hayashida, Takashi Tagami, Tatsuma Fukuda, Masaru Suzuki, Naohiro Yonemoto, Yutaka Kondo, Tomoko Ogasawara, Atsushi Sakurai, Yoshio Tahara, Ken Nagao, Arino Yaguchi, and Naoto Morimura, on behalf of the SOS-KANTO Study Group

e007420. DOI: 10.1161/JAHA.117.007420.

Real-Time Ventricular Fibrillation Amplitude-Spectral Area Analysis to Guide Timing of Shock Delivery Improves Defibrillation Efficacy During Cardiopulmonary Resuscitation in Swine

Salvatore Aiello, Michelle Perez, Chad Cogan, Alvin Baetiong, Steven A. Miller, Jeejabai Radhakrishnan, Christopher L. Kaufman, and Raúl J. Gazmuri

e006749. DOI: 10.1161/JAHA.117.006749.

Hypothermia Modulates Arrhythmia Substrates During Different Phases of Resuscitation From Ischemic Cardiac Arrest

Joseph S. Piktet, Aurelia Cheng, Matthew McCauley, Zack Dale, Michelle Nassal, Danielle Maleski, Gary Pawlowski, Kenneth R. Laurita, and Lance D. Wilson

e006472. DOI: 10.1161/JAHA.117.006472.

Stroke

Temporal Trends in the Use and Comparative Effectiveness of Direct Oral Anticoagulant Agents Versus Warfarin for Nonvalvular Atrial Fibrillation: A Canadian Population-Based Study

Amy Y. X. Yu, Shaun Malo, Lawrence W. Svenson, Stephen B. Wilton, and Michael D. Hill

e007129. DOI: 10.1161/JAHA.117.007129.

Association Between Stroke Risk and Metformin Use in Hemodialysis Patients With Diabetes Mellitus: A Nested Case–Control Study

Li-Nien Chien, Chu-Lin Chou, His-Hsien Chen, Chih-Chin Kao, Yen-Chung Lin, Yueh-Lin Wu, Jin-Shuen Chen, Li-Ying Chen, and Te-Chao Fang

e007611. DOI: 10.1161/JAHA.117.007611.

Significant Association Between Low Mitochondrial DNA Content in Peripheral Blood Leukocytes and Ischemic Stroke

Li-Ming Lien, Hung-Yi Chiou, Hsu-Ling Yeh, Shang-Yen Chiu, Jiann-Shing Jeng, Huey-Juan Lin, Chaur-Jong Hu, Fang-I Hsieh, Yau-Huei Wei

e006157. DOI: 10.1161/JAHA.117.006157.

Valvular Heart Disease

Forward Left Ventricular Ejection Fraction: A Simple Risk Marker in Patients With Primary Mitral Regurgitation

Marlène Dupuis, Haïfa Mahjoub, Marie-Annick Clavel, Nancy Côté, Oumhani Toubal, Lionel Tastet, Jean G. Dumesnil, Kim O'Connor, Abdellaziz Dahou, Christophe Thébault, Catherine Bélanger, Jonathan Beaudoin, Marie Arsenault, Mathieu Bernier, and Philippe Pibarot

e006309. DOI: 10.1161/JAHA.117.006309.

Left Atrial Volume and Mortality in Patients With Aortic Stenosis

Dan Rusinaru, Yohann Bohbot, Cédric Kowalski, Anne Ringle, Sylvestre Maréchaux, and Christophe Tribouilloy

e006615. DOI: 10.1161/JAHA.117.006615.

Vascular Medicine

Endothelial Progenitor Cell Biology and Vascular Recovery Following Transradial Cardiac Catheterization

Andrew Mitchell, Takeshi Fujisawa, Nicholas L. Mills, Mairi Brittan, David E. Newby, and Nicholas L. M. Cruden

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e006441. DOI: 10.1161/JAHA.117.006441.

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e007248. DOI: 10.1161/JAHA.117.007248.

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Joshua D. Mitchell and David L. Brown

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Correction

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e002181. DOI: 10.1161/JAHA.116.002181.

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e004194. DOI: 10.1161/JAHA.117.004194.

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