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e007085. DOI: 10.1161/JAHA.117.007085.

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e006043. DOI: 10.1161/JAHA.117.006043.

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e006028. DOI: 10.1161/JAHA.117.006028.

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e006077. DOI: 10.1161/JAHA.117.006077.

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e005273. DOI: 10.1161/JAHA.116.005273.

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e006447. DOI: 10.1161/JAHA.117.006447.

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e006381. DOI: 10.1161/JAHA.117.006381.

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e006220. DOI: 10.1161/JAHA.117.006220.

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e005922. DOI: 10.1161/JAHA.117.005922.

Cardiovascular Surgery

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e005251. DOI: 10.1161/JAHA.116.005251.

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e005997. DOI: 10.1161/JAHA.117.005997.

Inspiratory Muscle Training Is Associated With Improved Inspiratory Muscle Strength, Resting Cardiac Output, and the Ventilatory Efficiency of Exercise in Patients With a Fontan Circulation

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e005750. DOI: 10.1161/JAHA.117.005750.

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Felix Jansen, Lisa Schäfer, Han Wang, Theresa Schmitz, Anna Flender, Robert Schueler, Christoph Hammerstingl, Georg Nickenig, Jan-Malte Sinning, and Nikos Werner

e005270. DOI: 10.1161/JAHA.116.005270.

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e005991. DOI: 10.1161/JAHA.117.005991.

Downregulation of Cavin-1 Expression via Increasing Caveolin-1 Degradation Prompts the Proliferation and Migration of Vascular Smooth Muscle Cells in Balloon Injury-Induced Neointimal Hyperplasia

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e005754. DOI: 10.1161/JAHA.117.005754.

Reduced Antiplatelet Effect of Aspirin Does Not Predict Cardiovascular Events in Patients With Stable Coronary Artery Disease

Sanne Bøjet Larsen, Erik Lerkevang Grove, Søs Neergaard-Petersen, Morten Würtz, Anne-Mette Hvas, and Steen Dalby Kristensen

e006050. DOI: 10.1161/JAHA.117.006050.

Rehospitalizations Following Primary Percutaneous Coronary Intervention in Patients With ST-Elevation Myocardial Infarction: Results From a Multi-Center Randomized Trial

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e005926. DOI: 10.1161/JAHA.117.005926.

Alirocumab Treatment and Achievement of Non-High-Density Lipoprotein Cholesterol and Apolipoprotein B Goals in Patients With Hypercholesterolemia: Pooled Results From 10 Phase 3 ODYSSEY Trials

Harold E. Bays, Lawrence A. Leiter, Helen M. Colhoun, Desmond Thompson, Laurence Bessac, Robert Pordy, and Peter P. Toth

e005639. DOI: 10.1161/JAHA.117.005639.

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e005651. DOI: 10.1161/JAHA.117.005651.

Prognostic Value of the CHADS₂ Score for Adverse Cardiovascular Events in Coronary Artery Disease Patients Without Atrial Fibrillation—A Multi-Center Observational Cohort Study

Noriaki Tabata, Eiichiro Yamamoto, Seiji Hokimoto, Takayoshi Yamashita, Daisuke Sueta, Seiji Takashio, Yuichiro Arima, Yasuhiro Izumiya, Sunao Kojima, Koichi Kaikita, Kunihiko Matsui, Kazuteru Fujimoto, Kenji Sakamoto, Hideki Shimomura, Ryusuke Tsunoda, Toyoki Hirose, Natsuki Nakamura, Naritsugu Sakaino, Shinichi Nakamura, Nobuyasu Yamamoto, Toshiyuki Matsumura, Ichiro Kajiwara, Shunichi Koide, Tomohiro Sakamoto, Koichi Nakao, Shuichi Oshima, Kenichi Tsujita, On behalf of Kumamoto Intervention Conference Study (KICS) Investigators

e006355. DOI: 10.1161/JAHA.117.006355.

Association Between Acidosis Soon After Reperfusion and Contrast-Induced Nephropathy in Patients With a First-Time ST-Segment Elevation Myocardial Infarction

Masaomi Gohbara, Azusa Hayakawa, Yusuke Akazawa, Shuta Furihata, Ai Kondo, Yusuke Fukushima, Sakie Tomari, Tsutomu Endo, Kazuo Kimura, and Kouichi Tamura

e006380. DOI: 10.1161/JAHA.117.006380.

Selection of Stent Type in Patients With Atrial Fibrillation Presenting With Acute Myocardial Infarction: An Analysis From the ACTION (Acute Coronary Treatment and Intervention Outcomes Network) Registry—Get With the Guidelines

Amit N. Vora, Tracy Y. Wang, Shuang Li, Karen Chiswell, Connie Hess, Renato D. Lopes, Sunil V. Rao, and Eric D. Peterson

e005280. DOI: 10.1161/JAHA.116.005280.

Sex Differences in Associations of Arterial Compliance With Coronary Artery Plaque and Calcification Burden

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e006079. DOI: 10.1161/JAHA.117.006079.

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e005968. DOI: 10.1161/JAHA.117.005968.

Epidemiology

Association Between High-Sensitivity Cardiac Troponin I and Cardiac Events in Elderly Women

Joshua R. Lewis, Wai H. Lim, Germaine Wong, Samuel Abbs, Kun Zhu, Ee M. Lim, Peter L. Thompson, and Richard L. Prince
e004174. DOI: 10.1161/JAHA.116.004174.

Vascular Endothelial Growth Factor and Ischemic Heart Disease Risk: A Mendelian Randomization Study

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e005619. DOI: 10.1161/JAHA.117.005619.

Association of High-Density Lipoprotein-Cholesterol Versus Apolipoprotein A-I With Risk of Coronary Heart Disease: The European Prospective Investigation Into Cancer-Norfolk Prospective Population Study, the Atherosclerosis Risk in Communities Study, and the Women's Health Study

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e006636. DOI: 10.1161/JAHA.117.006636.

Cardiovascular Disease Burden and Socioeconomic Correlates: Findings From the Jackson Heart Study

Yuan-I Min, Pramod Anugu, Kenneth R. Butler, Tara A. Hartley, Stanford Mwasongwe, Arnita F. Norwood, Mario Sims, Wei Wang, Karen P. Winters, and Adolfo Correa
e004416. DOI: 10.1161/JAHA.116.004416.

Birth Weight, Postnatal Weight Gain, and Childhood Adiposity in Relation to Lipid Profile and Blood Pressure During Early Adolescence

Andraea Van Hulst, Tracie A. Barnett, Gilles Paradis, Marie-Hélène Roy-Gagnon, Lilianne Gomez-Lopez, and Mélanie Henderson
e006302. DOI: 10.1161/JAHA.117.006302.

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e005974. DOI: 10.1161/JAHA.117.005974.

Incidence Rate of Cardiovascular Disease End Points in the National Aeronautics and Space Administration Astronaut Corps

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e005564. DOI: 10.1161/JAHA.117.005564.

Socioeconomic Position Is Associated With Carotid Intima-Media Thickness in Mid-Childhood: The Longitudinal Study of Australian Children

Richard S. Liu, Fiona K. Mensah, John Carlin, Ben Edwards, Sarath Ranganathan, Michael Cheung, Terence Dwyer, Richard Saffery, Costan G. Magnussen, Markus Juonala, Melissa Wake, David P. Burgner, On behalf of the Child Health CheckPoint Investigator Group
e005925. DOI: 10.1161/JAHA.117.005925.

Socioeconomic Status and Incidence of Hospitalization With Lower-Extremity Peripheral Artery Disease: Atherosclerosis Risk in Communities Study

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e004995. DOI: 10.1161/JAHA.116.004995.

Prevalence and Characteristics of Carotid Artery High-Risk Atherosclerotic Plaques in Chinese Patients With Cerebrovascular Symptoms: A Chinese Atherosclerosis Risk Evaluation II Study

Xihai Zhao, Daniel S. Hippe, Rui Li, Gador M. Canton, Binbin Sui, Yan Song, Feiyu Li, Yunjing Xue, Jie Sun, Kiyofumi Yamada, Thomas S. Hatsukami, Dongxiang Xu, Maoxue Wang, and Chun Yuan
e005831. DOI: 10.1161/JAHA.117.005831.

Childhood Age and Associations Between Childhood Metabolic Syndrome and Adult Risk for Metabolic Syndrome, Type 2 Diabetes Mellitus and Carotid Intima Media Thickness: The International Childhood Cardiovascular Cohort Consortium

Juha Koskinen, Costan G. Magnussen, Alan Sinaiko, Jessica Woo, Elaine Urbina, David R. Jacobs, Jr, Julia Steinberger, Ronald Prineas, Matthew A. Sabin, Trudy Burns, Gerald Berenson, Lydia Bazzano, Alison Venn, Jorma S.A. Viikari, Nina Hutri-Kähönen, Olli Raitakari, Terence Dwyer, and Markus Juonala
e005632. DOI: 10.1161/JAHA.117.005632.

Effect of Multifactorial Treatment Targets and Relative Importance of Hemoglobin A1c, Blood Pressure, and Low-Density Lipoprotein-Cholesterol on Cardiovascular Diseases in Chinese Primary Care Patients With Type 2 Diabetes Mellitus: A Population-Based Retrospective Cohort Study

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e006400. DOI: 10.1161/JAHA.117.006400.

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e006206. DOI: 10.1161/JAHA.117.006206.

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Mario H. Flores-Torres, Rebekka Lynch, Ruy Lopez-Ridaura, Elsa Yunes, Adriana Monge, Eduardo Ortiz-Panozo, Carlos Cantu-Brito, Arna Hauksdóttir, Unnur Valdimarsdóttir, and Martín Lajous
e006249. DOI: 10.1161/JAHA.117.006249.

The Metabolic Syndrome and Risk of Sudden Cardiac Death: The Atherosclerosis Risk in Communities Study

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e006103. DOI: 10.1161/JAHA.117.006103.

Exercise Physiology

Cardiac Adaptations to High-Intensity Aerobic Training in Premenopausal and Recent Postmenopausal Women: The Copenhagen Women Study

Jon Egelund, Peter G. Jørgensen, Camilla M. Mandrup, Thomas Fritz-Hansen, Bente Stallknecht, Jens Bangsbo, Michael Nyberg, and Ylva Hellsten
e005469. DOI: 10.1161/JAHA.117.005469.

Genetics

De Novo *FGF12* (Fibroblast Growth Factor 12) Functional Variation Is Potentially Associated With Idiopathic Ventricular Tachycardia

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e006130. DOI: 10.1161/JAHA.117.006130.

Health Services and Outcomes Research

Age and Sex Disparities in Discharge Statin Prescribing in the Stroke Belt: Evidence From the Reasons for Geographic and Racial Differences in Stroke Study

Karen C. Albright, Virginia J. Howard, George Howard, Paul Muntner, Vera Bittner, Monika M. Safford, Amelia K. Boehme, J. David Rhodes, T. Mark Beasley, Suzanne E. Judd, Leslie A. McClure, Nita Limdi, and Justin Blackburn
e005523. DOI: 10.1161/JAHA.117.005523.

Quality of Care of the Initial Patient Cohort of the Diabetes Collaborative Registry®

Suzanne V. Arnold, Abhinav Goyal, Silvio E. Inzucchi, Darren K. McGuire, Fengming Tang, Sanjeev N. Mehta, Laurence S. Sperling, Thomas M. Maddox, Daniel Einhorn, Nathan D. Wong, Niklas Hammar, Peter Fenici, Kamlesh Khunti, Carolyn S. P. Lam, and Mikhail Kosiborod

e005999. DOI: 10.1161/JAHA.117.005999.

Impact of Spontaneous Extracranial Bleeding Events on Health State Utility in Patients with Atrial Fibrillation: Results from the ENGAGE AF-TIMI 48 Trial

Kaijun Wang, Haiyan Li, Winghan J. Kwong, Elliott M. Antman, Christian T. Ruff, Robert P. Giugliano, David J. Cohen, Elizabeth A. Magnuson, on behalf of the ENGAGE AF-TIMI 48 Trial Investigators

e006703. DOI: 10.1161/JAHA.117.006703.

Hospital Practice of Direct-Home Discharge and 30-Day Readmission After Transcatheter Aortic Valve Replacement in the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy (STS/ACC TVT) Registry

John A. Dodson, Mathew R. Williams, David J. Cohen, Pratik Manandhar, Sreekanth Vemulapalli, Caroline Blaum, Hua Zhong, John S. Rumsfeld, and Judith S. Hochman

e006127. DOI: 10.1161/JAHA.117.006127.

Heart Failure

Current Management of Hyponatremia in Acute Heart Failure: A Report From the Hyponatremia Registry for Patients With Euvolemic and Hypervolemic Hyponatremia (HN Registry)

Mark E. Dunlap, Paul J. Hauptman, Alpesh N. Amin, Sandra L. Chase, Joseph A. Chio DOIII, Jun R. Chiong, and Joseph F. Dasta

e005261. DOI: 10.1161/JAHA.116.005261.

Novel Urinary Peptidomic Classifier Predicts Incident Heart Failure

Zhen-Yu Zhang, Susana Ravassa, Esther Nkuipou-Kenfack, Wen-Yi Yang, Shona M. Kerr, Thomas Koeck, Archie Campbell, Tatiana Kuznetsova, Harald Mischak, Sandosh Padmanabhan, Anna F. Dominiczak, Christian Delles, and Jan A. Staessen

e005432. DOI: 10.1161/JAHA.116.005432.

Glucose Homeostasis, Pancreatic Endocrine Function, and Outcomes in Advanced Heart Failure

Vojtech Melenovsky, Jan Benes, Janka Franekova, Jan Kovar, Barry A. Borlaug, Marketa Segetova, Andrea Tura, and Tereza Pelikanova

e005290. DOI: 10.1161/JAHA.116.005290.

High Perforin-Positive Cardiac Cell Infiltration and Male Sex Predict Adverse Long-Term Mortality in Patients With Inflammatory Cardiomyopathy

Felicitas Escher, Uwe Kühl, Dirk Lassner, Andrea Stroux, Ulrich Gross, Dirk Westermann, Burkert Pieske, Wolfgang Poller, and Heinz-Peter Schultheiss

e005352. DOI: 10.1161/JAHA.116.005352.

Serum Nprilysin and Recurrent Admissions in Patients With Heart Failure

Julio Núñez, Eduardo Núñez, Jaume Barallat, Vicent Bodí, Gema Miñana, M. Cruz Pastor, Juan Sanchis, Josep Lupón, and Antoni Bayes-Genis

e005712. DOI: 10.1161/JAHA.117.005712.

A Systems Biology Approach to Investigating Sex Differences in Cardiac Hypertrophy

Josephine Harrington, Natasha Fillmore, Shougou Gao, Yanqin Yang, Xue Zhang, Poching Liu, Andrea Stoehr, Ye Chen, Danielle Springer, Jun Zhu, Xujing Wang, and Elizabeth Murphy

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Sudden Cardiac Death in Women With Suspected Ischemic Heart Disease, Preserved Ejection Fraction, and No Obstructive Coronary Artery Disease: A Report From the Women's Ischemia Syndrome Evaluation Study

Puja K. Mehta, B. Delia Johnson, Tanya S. Kenkre, Wafia Eteiba, Barry Sharaf, Carl J. Pepine, Steven E. Reis, William J. Rogers, Sheryl F. Kelsey, Diane V. Thompson, Vera Bittner, George Sopko, Leslee J. Shaw, and C. Noel Bairey Merz

e005501. DOI: 10.1161/JAHA.117.005501.

Hypertension

Association of Blood Pressure Control Level With Left Ventricular Morphology and Function and With Subclinical Cerebrovascular Disease

Koki Nakanishi, Zhezhen Jin, Shunichi Homma, Mitchell S. V. Elkind, Tatjana Rundek, Aylin Tugcu, Ralph L. Sacco, and Marco R. Di Tullio
e006246. DOI: 10.1161/JAHA.117.006246.

Blood Pressure in 6-Year-Old Children Born Extremely Preterm

Anna-Karin Edstedt Bonamy, Lilly-Ann Mohlkert, Jenny Hallberg, Petru Liuba, Vineta Fellman, Magnus Domellöf, and Mikael Norman
e005858. DOI: 10.1161/JAHA.117.005858.

Activation of Transient Receptor Potential Melastatin Subtype 8 Attenuates Cold-Induced Hypertension Through Ameliorating Vascular Mitochondrial Dysfunction

Shiqiang Xiong, Bin Wang, Shaoyang Lin, Hexuan Zhang, Yingsha Li, Xing Wei, Yuanting Cui, Xiao Wei, Zongshi Lu, Peng Gao, Li Li, Zhigang Zhao, Daoyan Liu, and Zhiming Zhu
e005495. DOI: 10.1161/JAHA.117.005495.

Blood Pressure Response to Main Renal Artery and Combined Main Renal Artery Plus Branch Renal Denervation in Patients With Resistant Hypertension

Karl Fengler, Sebastian Ewen, Robert Höllriegel, Karl-Philipp Rommel, Saaraaken Kulenthiran, Lucas Lauder, Bodo Cremers, Gerhard Schuler, Axel Linke, Michael Böhm, Felix Mahfoud, and Philipp Lurz
e006196. DOI: 10.1161/JAHA.117.006196.

What Is the Relationship Between Dairy Intake and Blood Pressure in Black and White Children and Adolescents Enrolled in a Weight Management Program?

Diane M. DellaValle, Janet Carter, Molly Jones, and Melissa Howard Henshaw
e004593. DOI: 10.1161/JAHA.116.004593.

Sirtuin 3 Deficiency Accelerates Hypertensive Cardiac Remodeling by Impairing Angiogenesis

Tong Wei, Gaojian Huang, Jing Gao, Chenglin Huang, Mengwei Sun, Jian Wu, Juan Bu, and Weili Shen
e006114. DOI: 10.1161/JAHA.117.006114.

Imaging

Myocardial Perfusion Imaging Versus Computed Tomography Angiography–Derived Fractional Flow Reserve Testing in Stable Patients With Intermediate-Range Coronary Lesions: Influence on Downstream Diagnostic Workflows and Invasive Angiography Findings

Bjarne L. Nørgaard, Lars C. Gormsen, Hans Erik Bøtker, Erik Parner, Lene H. Nielsen, Ole N. Mathiassen, Erik L. Grove, Kristian A. Øvrehus, Sara Gaur, Jonathon Leipsic, Kamilla Pedersen, Christian J. Terkelsen, Ewald H. Christiansen, Anne Kaltoft, Michael Mæng, Steen D. Kristensen, Lars R. Krusell, Jens F. Lassen, and Jesper M. Jensen
e005587. DOI: 10.1161/JAHA.117.005587.

Interventional Cardiology

Clinical Outcomes of Deferred Lesions With Angiographically Insignificant Stenosis But Low Fractional Flow Reserve

Joo Myung Lee, Bon-Kwon Koo, Eun-Seok Shin, Chang-Wook Nam, Joon-Hyung Doh, Xinyang Hu, Fei Ye, Shaoliang Chen, Junqing Yang, Jiyang Chen, Nobuhiro Tanaka, Hiroyoshi Yokoi, Hitoshi Matsuo, Hiroaki Takashima, Yasutsugu Shiono, Doyeon Hwang, Jonghanne Park, Kyung-Jin Kim, Takashi Akasaka, and Jianan Wang
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Kidney in Cardiovascular Disease

Angiotensin II Type 1 Receptor-Associated Protein Regulates Kidney Aging and Lifespan Independent of Angiotensin

Kazushi Uneda, Hiromichi Wakui, Akinobu Maeda, Kengo Azushima, Ryu Kobayashi, Sona Haku, Kohji Ohki, Kotaro Haruhara, Sho Kinguchi, Miyuki Matsuda, Masato Ohsawa, Shintaro Minegishi, Tomoaki Ishigami, Yoshiyuki Toya, Yoshitoshi Atobe, Akio Yamashita, Satoshi Umemura, and Kouichi Tamura
e006120. DOI: 10.1161/JAHA.117.006120.

Molecular Cardiology

Modeling Treatment Response for Lamin A/C Related Dilated Cardiomyopathy in Human Induced Pluripotent Stem Cells

Yee-Ki Lee, Yee-Man Lau, Zhu-Jun Cai, Wing-Hon Lai, Lai-Yung Wong, Hung-Fat Tse, Kwong-Man Ng, and Chung-Wah Siu
e005677. DOI: 10.1161/JAHA.117.005677.

Prenatal Mechanistic Target of Rapamycin Complex 1 (m TORC1) Inhibition by Rapamycin Treatment of Pregnant Mice Causes Intrauterine Growth Restriction and Alters Postnatal Cardiac Growth, Morphology, and Function

Maria Hennig, Saskia Fiedler, Christian Jux, Ludwig Thierfelder, and Jörg-Detlef Drenckhahn
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Inhibition of Mutant α B Crystallin-Induced Protein Aggregation by a Molecular Tweezer

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Preventive Cardiology

Self-Reported Health and Outcomes in Patients With Stable Coronary Heart Disease

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Resuscitation Science

Impact of Right Ventricular Performance in Patients Undergoing Extracorporeal Membrane Oxygenation Following Cardiac Surgery

Philipp E. Bartko, Dominik Wiedemann, Lore Schrutka, Christina Binder, Carlos G. Santos-Gallego, Andreas Zuckermann, Barbara Steinlechner, Herbert Koinig, Gottfried Heinz, Alexander Niessner, Daniel Zimpfer, Günther Laufer, Irene M. Lang, Klaus Distelmaier, and Georg Goliash
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Stroke

C-C Chemokine Receptor Type 5 (CCR5)-Mediated Docking of Transferred Tregs Protects Against Early Blood-Brain Barrier Disruption After Stroke

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Persistent Hyperglycemia Is Associated With Increased Mortality After Intracerebral Hemorrhage

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Toshiyasu Ogata, Ryu Matsuo, Fumi Kiyuna, Jun Hata, Tetsuro Ago, Yoshio Tsuboi, Takanari Kitazono, Masahiro Kamouchi, on behalf of the FSR Investigators
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Vascular Medicine

α_1 -Adrenergic Receptors Function Within Hetero-Oligomeric Complexes With Atypical Chemokine Receptor 3 and Chemokine (C-X-C motif) Receptor 4 in Vascular Smooth Muscle Cells

Lauren J. Albee, Jonathan M. Eby, Abhishek Tripathi, Heather M. LaPorte, Xianlong Gao, Brian F. Volkman, Vadim Gaponenko, and Matthias Majetschak
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Systematic Review and Meta-analysis

Inflammatory Bowel Disease and Risk of Ischemic Heart Disease: An Updated Meta-Analysis of Cohort Studies

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Cardiovascular Adverse Events in Patients With Cancer Treated With Bevacizumab: A Meta-Analysis of More Than 20 000 Patients

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Radial Artery and Ulnar Artery Occlusions Following Coronary Procedures and the Impact of Anticoagulation: *ARTEMIS* (Radial and Ulnar *ARTE*ry Occlusion *Meta*-Analys*S*) Systematic Review and Meta-Analysis

George Hahalis, Konstantinos Aznaouridis, Gregory Tsigkas, Periklis Davlouros, Ioanna Xanthopoulou, Nikolaos Koutsogiannis, Ioanna Koniari, Marianna Leopoulou, Olivier Costerousse, Dimitris Tousoulis, and Olivier F. Bertrand
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Contemporary Review

Role of Volume Redistribution in the Congestion of Heart Failure

Marat Fudim, Adrian F. Hernandez, and G. Michael Felker
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