
Hypertension

Volume 69 Number 3 March 2017

Clinical Implications 383

Acknowledgment of Reviewers 384

Excellence Award for Hypertension Research

Fate of Renin Cells During Development and Disease

R. Ariel Gomez 387

Editorial Commentaries

Adrenal Venous Sampling Versus Computed Tomographic Scan to Determine Treatment in Primary Aldosteronism (The SPARTACUS Trial): A Critique

Gian Paolo Rossi, John W. Funder 396

Predictive Role of Nighttime Blood Pressure in Response to Renal Denervation: Evidence From the DENER-HTN Study (Renal Denervation for Hypertension)

Dagmara Hering 398

Angiogenic Proteins: Can These Biomarkers Help to Prevent Maternal Deaths Related to Preeclampsia?

Sarosh Rana, Herriot Sannon 401

Physical Activity and Hypertension: Knowing Is Not Enough; We Must Apply. Willing Is Not Enough; We Must Do—von Goethe

Brent M. Egan 404

Ablation of Interferon Regulatory Factor 3 Promotes the Stability of Atherosclerotic Plaques

Imoh Okon, Ye Ding, Ming-Hui Zou 407

One Step Further Toward a Targeted Screening Program

Julia Dratva 409

Original Articles

Clinical Trial: The PARAMETER Study

Effects of Sacubitril/Valsartan Versus Olmesartan on Central Hemodynamics in the Elderly With Systolic Hypertension: The PARAMETER Study

Bryan Williams, John R. Cockcroft, Kazuomi Kario, Dion H. Zappe, Patrick C. Brunel, Qian Wang, Weinong Guo 411

• **Online Data Supplement**

Hypertension (ISSN 0194-911X) is published monthly by Wolters Kluwer Health, Inc. at 14700 Citicorp Drive, Bldg 3, Hagerstown, MD 21742. Business offices are located at Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103. Production offices are located at 351 West Camden Street, Baltimore, MD 21201-2436. Individuals may subscribe for their personal use at the following rates for print subscriptions: \$225 for AHA/ASA Domestic and International Members (excluding General Membership level), or \$582 for domestic non-members and \$750 for international non-members. AHA membership information can be found online at professional.heart.org. Periodicals postage paid at Hagerstown, MD, and additional mailing offices. POSTMASTER: Send address changes to HYPERTENSION, American Heart Association, Wolters Kluwer Health, Inc., PO Box 1610, Hagerstown, MD 21740.

Jackson Heart Study

Physical Activity and Incident Hypertension in African Americans: The Jackson Heart Study

Keith M. Diaz, John N. Booth III, Samantha R. Seals, Marwah Abdalla, Patricia M. Dubbert, Mario Sims, Joseph A. Ladapo, Nicole Redmond, Paul Muntner, Daichi Shimbo 421

[Editorial Commentary, p 404](#) • [Online Data Supplement](#)

Adrenal Vein Sampling

Anatomical Variations of the Right Adrenal Vein: Concordance Between Multidetector Computed Tomography and Catheter Venography

Kensuke Omura, Hideki Ota, Yuuki Takahashi, Tomonori Matsuura, Kazumasa Seiji, Yoichi Arai, Ryo Morimoto, Fumitoshi Satoh, Kei Takase 428

• [Online Data Supplement](#)

Childhood Blood Pressures

Blood Pressure Trajectories From Childhood to Young Adulthood Associated With Cardiovascular Risk: Results From the 23-Year Longitudinal Georgia Stress and Heart Study

Guang Hao, Xiaoling Wang, Frank A. Treiber, Gregory Harshfield, Gaston Kapuku, Shaoyong Su 435

[Editorial Commentary, p 409](#) • [Online Data Supplement](#)

Renin–Angiotensin System

Does Extremely Low Birth Weight Predispose to Low-Renin Hypertension?

Anke Raaijmakers, Zhen-Yu Zhang, Jolien Claessens, Nicholas Cauwenberghs, Theun Pieter van Tienoven, Fang-Fei Wei, Lotte Jacobs, Elena Levchenko, Steven Pauwels, Tatiana Kuznetsova, Karel Allegaert, Jan A. Staessen 443

Renin–Angiotensin–Aldosterone System

Novel Approach to Establishing an Aldosterone: Renin Ratio Cutoff for Primary Aldosteronism

Alexander A. Leung, Dennis J. Orton, Alex Chin, Hossein Sadrzadeh, Gregory A. Kline 450

• [Online Data Supplement](#)

Preeclampsia

Proton Pump Inhibitors Decrease Soluble fms-Like Tyrosine Kinase-1 and Soluble Endoglin Secretion, Decrease Hypertension, and Rescue Endothelial Dysfunction

Kenji Onda, Stephen Tong, Sally Beard, Natalie Binder, Masanaga Muto, Sevvandi N. Senadheera, Laura Parry, Mark Dilworth, Lewis Renshall, Fiona Brownfoot, Roxanne Hastie, Laura Tuohy, Kirsten Palmer, Toshihiko Hirano, Masahito Ikawa, Tu'uhevaha Kaitu'u-Lino, Natalie J. Hannan 457

• [Online Data Supplement](#)

Diagnostic Performance of Placental Growth Factor in Women With Suspected Preeclampsia Attending Antenatal Facilities in Maputo, Mozambique

U. Vivian Ukah, Francisco Mbofana, Beatriz Manriquez Rocha, Osvaldo Loquiha, Chishamiso Mudenyanga, Momade Usta, Marilena Urso, Sharla Drebit, Laura A. Magee, Peter von Dadelszen 469

[Editorial Commentary, p 401](#)

Association of Pregnancy Complications and Characteristics With Future Risk of Elevated Blood Pressure: The Västerbotten Intervention Program

Nisha I. Parikh, Margareta Norberg, Erik Ingelsson, Sven Cnattingius, Ramachandran S. Vasan, Magnus Domellöf, Jan Håkan Jansson, Anna-Karin Edstedt Bonamy 475

Kidney

Alkaline Phosphatase Inhibitors Attenuate Renovascular Responses to Norepinephrine

Edwin K. Jackson, Yumeng Zhang, Dongmei Cheng 484

• [Online Data Supplement](#)

Renal Denervation

Twenty-Four-Hour Blood Pressure Monitoring to Predict and Assess Impact of Renal Denervation: The DENERHTN Study (Renal Denervation for Hypertension)

Philippe Gosse, Antoine Cremer, Helena Pereira, Guillaume Bobrie, Gilles Chatellier, Bernard Chamontin, Pierre-Yves Courand, Pascal Delsart, Thierry Denolle, Caroline Dourmap, Emile Ferrari, Xavier Girerd, Jean Michel Halimi, Daniel Herpin, Pierre Lantelme, Matthieu Monge, Claire Mounier-Vehier, Jean-Jacques Mourad, Olivier Ormezzano, Jean Ribstein, Patrick Rossignol, Marc Sapoval, Bernard Vaisse, Faiez Zannad, Michel Azizi 494

Editorial Commentary, p 398 • **Online Data Supplement**

Heart

Abnormal Wave Reflections and Left Ventricular Hypertrophy Late After Coarctation of the Aorta Repair

Michael A. Quail, Rebekah Short, Bejal Pandya, Jennifer A. Steeden, Abbas Khushnood, Andrew M. Taylor, Patrick Segers, Vivek Muthurangu **OPEN** 501

• **Online Data Supplement**

Vessels

Ablation of Interferon Regulatory Factor 3 Protects Against Atherosclerosis in Apolipoprotein E-Deficient Mice

Hui Liu, Wen-Lin Cheng, Xi Jiang, Pi-Xiao Wang, Chun Fang, Xue-Yong Zhu, Zan Huang, Zhi-Gang She, Hongliang Li 510

Editorial Commentary, p 407 • **Online Data Supplement**

Role of Office Blood Pressure in Diagnosis and Treatment of Hypertension

Global Risk Assessment to Guide Blood Pressure Management in Cardiovascular Disease Prevention

Kunal N. Karmali, Donald M. Lloyd-Jones ★e2

★ = Published online only.

69 (3)

Hypertension. 2017;69:e2-520

Hypertension is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231

Copyright © 2017 American Heart Association, Inc. All rights reserved.

Print ISSN: 0194-911X. Online ISSN: 1524-4563

The online version of this article, along with updated information and services, is located on the
World Wide Web at:

<http://hyper.ahajournals.org/content/69/3>

Permissions: Requests for permissions to reproduce figures, tables, or portions of articles originally published in *Hypertension* can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the [Permissions and Rights Question and Answer](#) document.

Reprints: Information about reprints can be found online at:
<http://www.lww.com/reprints>

Subscriptions: Information about subscribing to *Hypertension* is online at:
<http://hyper.ahajournals.org/subscriptions/>