# In This Issue of JAMA

December 5, 2017 Volume 318, Number 21 Pages 2055-2152

#### Research

# Peripheral Artery Disease and Walking Performance

2089

Interventions that increase circulating endothelial progenitor cells may improve walking performance in patients with lower extremity peripheral artery disease. In a randomized trial of 210 patients with peripheral artery disease, McDermott and colleagues found that supervised treadmill exercise, but not treatment with granulocyte-macrophage colony-stimulating factor, improved 6-minute walk distance.

CME jamanetwork.com/learning

### **Dialysis Regimens for Myeloma Cast Nephropathy**

2099

In patients with multiple myeloma, removal of circulating immunoglobulin light chains may decrease the severity of myeloma cast nephropathy. Bridoux and colleagues for the MYRE Study Group randomized 98 patients with myeloma cast nephropathy to receive hemodialysis with high permeability to immunoglobulin light chains or hemodialysis with lower permeability; there was no difference between the study groups in dialysis independence. In an Editorial, Jhaveri and Niesvizky discuss strategies for decreasing the circulation of immunoglobulin light chains.

Editorial 2085

# **Newborn Screening for Congenital Heart Disease**

211

Timely detection of congenital heart disease can reduce the risk of an apparently healthy infant being discharged home and experiencing a potentially fatal crisis. Abouk and colleagues conducted an observational study in 8 US states and found that mandatory screening policies for critical congenital heart disease were associated with decreases in infant cardiac death rates. In an Editorial, Kemper and colleagues review the rationale for newborn screening.

Editorial 2087

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### **Locum Tenens and Quality of Care**

2119

Locum tenens physicians, who assume medical responsibilities on a temporary basis, may be unfamiliar with local information systems, personnel, hospital culture, and postacute care options. To compare quality and costs of care for patients treated by locum tenens vs non-locum tenens general internists, Blumenthal and colleagues studied a random sample of 1818 873 hospitalizations of Medicare fee-for-service patients and found no differences in 30-day mortality rates.

#### Humanities

Poetry and Medicine 2144 Out of Place

JAMA Revisited 2145 "Hopefully..."

#### **O**pinion

#### Viewpoint

2073 The 2017 Clinical Practice Guideline for High Blood Pressure PK Whelton and RM Carey

2075 Responsible Care in the Face of Shifting Recommendations and Imperfect Diagnostics for Zika Virus IT Goldfarb, E Jaffe, and AD Lyerly

2077 Cybersecurity Concerns and Medical Devices: Lessons From a Pacemaker Advisory DB Kramer and K Fu

2079 Making a Case for Sanctuary Hospitals A Saadi, S Ahmed, and MH Katz

#### A Piece of My Mind

2081 Moral Choices for Today's Physician DM Berwick

#### Editoria

2083 The New 2017 ACC/AHA Guidelines
"Up the Pressure" on Diagnosis
and Treatment of Hypertension
P Greenland and E Peterson

2085 High-Cutoff Hemodialysis in Myeloma Cast Nephropathy KD Jhaveri and R Niesvizky

2087 The Success of State Newborn Screening Policies for Critical Congenital Heart Disease AR Kemper, WKK Lam, and JA Bocchini Jr

#### **LETTERS**

#### Research Letter

2137 The FDA's Expedited Programs and Clinical Development Times for Novel Therapeutics, 2012-2016 TJ Hwang, JJ Darrow, and A5 Kesselheim

#### Comment & Response

2138 Vitamin D Supplementation and Upper Respiratory Tract Infections in Children

2140 Length of Stay After Overlapping Surgery

2141 The Future of Radiology

2142 Correction

Editor in Chief Howard Bauchner, MD 134 YEARS OF CONTINUOUS PUBLICATION

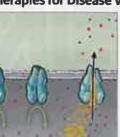
# In This Issue of JAMA

Volume 318, Number 21 Pages 2055-2152

#### **Clinical Review & Education**

# GENOMICS AND PRECISION HEALTH

**Targeted Therapies for Disease Variants** 



Cystic fibrosis is a genetic disease with multiple variants that cause impairments in the flow of chloride ions. In this JAMA Insights article, Cutting explains how drug therapies have been developed to target specific disease variants.

Author Audio Interview jama.com CME jamanetwork.com/learning

#### **Current Management of Hypertension**

In this JAMA Clinical Guidelines Synopsis of a 2017 guideline developed by the American College of Cardiology and the American Heart Association, Cifu and Davis discuss current evidence for the optimal management of high blood pressure in adults. In an Editorial, Greenland and Peterson call attention to the guideline's novel strategy of basing treatment decisions on cardiovascular risk as well as blood pressure, and in a Viewpoint, Whelton and Carey note the importance of nonpharmacological interventions, medication adherence, and team-based approaches to care.

☑ Viewpoint 2073 Editorial 2083

■ CME jamanetwork.com/learning

Testing ACTIVE SURVEILLANCE

Stable disease

Assessment

JAMA Patient Page 2152 Active Surveillance for Prostate Cancer

**NEWS & ANALYSIS** 

Medical News & Perspectives



2065 JAMA Network Articles of the Year

Bench to Bedside

2069 Body-on-a-Chip Reveals Multitissue Interactions During Drug Exposure

2071 News From the FDA

Heart Failure Survey Is a First in FDA's Device Innovation Effort

Support for Treating Opioid Addiction With Medication

Treatment for Aggressive Lymphoma

#### Online @ jama.com



## **Editor's Audio Summary**

Howard Bauchner, MD, summarizes and comments on this week's issue.

# Research Ethics Site

Important documents and discussions of ethical principles are available at sites.jamanetwork.com/research-ethics.

#### Author Interview

AUDIO Interview with Paul K. Whelton, MB, MD, MSc, author of "The 2017 Clinical Practice Guideline for High Blood Pressure"



**AUDIO** Interview with Garry R. Cutting, MD, author of "Treating Specific Variants Causing Cystic Fibrosis\*

Departments

2061 Staff Listing

2135 CME Questions

2146 Classified Advertising

2149 Journal Advertiser Index

2151 Contact Information

Instructions for Authors

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