

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.

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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 2111

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.



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Clinical Review & Education

GENOMICS AND PRECISION HEALTH

Targeted Therapies for Disease Variants

2130



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

2132

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.

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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"

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