

In This Issue: August 25, 2020

Research

ORIGINAL INVESTIGATION

752 Effect of Vitamin D₃ Supplementation on Severe Asthma Exacerbations in Children With Asthma and Low Vitamin D Levels: The VDKA Randomized Clinical Trial
E Forno and Coauthors

This randomized trial compares the effects of vitamin D₃ vs placebo on time to severe exacerbation in children with asthma and low vitamin D levels.

Visual Abstract | CME

761 Effect of Genotype-Guided Oral P2Y12 Inhibitor Selection vs Conventional Clopidogrel Therapy on Ischemic Outcomes After Percutaneous Coronary Intervention: The TAILOR-PCI Randomized Clinical Trial
NL Pereira and Coauthors

This open-label randomized trial compares the effect of a genotype-guided oral P2Y12 inhibitor selection strategy vs conventional clopidogrel prescribing on 12-month ischemic outcomes after percutaneous coronary intervention (PCI) in *CYP2C19*2/CYP2C19*3* loss-of-function allele carriers with acute coronary syndromes and stable cardiovascular disease.

Editorial 747

CME

772 Discriminative Accuracy of Plasma Phospho-tau217 for Alzheimer Disease vs Other Neurodegenerative Disorders
S Palmqvist and Coauthors

This cross-sectional study compares the accuracy of plasma tau phosphorylated at threonine 217 (P-tau217) levels vs other plasma-, MRI-, CSF-, and PET-based markers for distinguishing Alzheimer from other neurodegenerative diseases in 3 cohorts in Arizona, Sweden, and Columbia with or at risk for dementia.

CME

Opinion

VIEWPOINT

735 Precision Nutrition—the Answer to “What to Eat to Stay Healthy”
GP Rodgers and FS Collins

737 Black Kidney Function Matters: Use or Misuse of Race?
NR Powe

Audio

Available online

jama.com

739 Recovery From Severe COVID-19: Leveraging the Lessons of Survival From Sepsis
HC Prescott and TD Girard

741 Attacks on Public Health Officials During COVID-19
MM Mello, JA Greene, and JM Sharfstein

743 COVID-19 in Canada: Experience and Response
AS Detsky and Il Bogoch

A PIECE OF MY MIND

745 Growing Pains
M Van Hentenryck

In this narrative medicine essay, a medical student describes her experience growing up with a leg prosthesis and requiring orthopedic procedures to maintain her limb growth and describes reactions to her disability from uncomprehending peers and mentors in her medical training.

EDITORIAL

747 CYP2C19 Genotyping to Guide Antiplatelet Therapy After Percutaneous Coronary Interventions: One Size Rarely Fits All
DJ Moliterno, SS Smyth, and A Abdel-Latif

Related Article 761

749 Serosurveillance and the COVID-19 Epidemic in the US: Undetected, Uncertain, and Out of Control
TS Brown and RP Walensky

Clinical Review & Education

REVIEW

782 Pathophysiology, Transmission, Diagnosis, and Treatment of Coronavirus Disease 2019 (COVID-19): A Review
WJ Wiersinga and Coauthors

This narrative review discusses what is currently known about the pathophysiology, epidemiology, diagnosis, management, prognosis, and prevention of coronavirus disease 2019 (COVID-19).

JAMA Patient Page 816

Online at JAMA.com

MULTIMEDIA

Editor's Audio Summary: Listen as editors discuss this week's issue

Audio: August 2020 Medical News Summary

Audio: Coronavirus in Brazil: Report From the Front Lines

Audio: The Next COVID-19 Phase

Audio: Coronavirus in Houston — Report From the Front Lines

Audio: Coronavirus Update With CDC Director Robert R. Redfield, MD

Audio: Coronavirus Update With Eric Topol, MD

Audio: Chloroquine and Zinc Q&A with David Juurlink

Audio: Managing Acute Pancreatitis

Author Audio Interview: Black Kidney Function Matters: Use or Misuse of Race?

Videos: Coronavirus Update With Eric Topol, MD

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Editor in Chief
Howard Bauchner, MD

137 YEARS
OF CONTINUOUS
PUBLICATION

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JAMA INSIGHTS

794 Current Perspective on Age-Related Macular Degeneration

U Chakravarthy and T Peto

This JAMA Insights Clinical Update reviews the epidemiology, clinical manifestations, classification, diagnosis, prevention, and approved and investigational treatment of age-related macular degeneration in older adults.

JAMA DIAGNOSTIC TEST INTERPRETATION

796 Postexercise Ankle-Brachial Index Testing

A Mehta, LS Sperling, and BJ Wells

A 61-year-old woman with a history of hypertension presented for evaluation of exertional left calf discomfort. Her lower extremity systolic blood pressure and ankle-brachial index (ABI) measures declined after treadmill testing. What would you do next?

JAMA PATIENT PAGE

815 What Is LASIK Eye Surgery?

MM Kates and S Tuli

This JAMA Patient Page describes LASIK, a type of laser surgery that corrects blurry vision usually treated with eyeglasses, and summarizes who can benefit and the procedure's risks.

816 What Is COVID-19?

WJ Wiersinga and HC Prescott

This JAMA Patient Page provides an overview of COVID-19 transmission, symptoms, diagnosis, disease course, and treatment.

Related Article [782](#)

News & Analysis

MEDICAL NEWS & PERSPECTIVES

727 From Auto Mechanic to Emergency Medicine Resident: Inspiring Young Blacks to Become Physicians

R Rubin

This Medical News article discusses the circuitous path Carl Allamby, MD, traveled from auto repair shop owner to emergency medicine resident.

 Audio

 Available online

730 Experts Discuss COVID-19—Remdesivir, Vaccines, and More

This JAMA Live Highlights feature provides comments about the coronavirus 2019 pandemic from experts in clinical medicine, public health, and health policy expressed during livestream interviews with JAMA Network Editor in Chief Howard Bauchner, MD.

 Audio

HEALTH AGENCIES UPDATE

732 Household Composition May Explain COVID-19 Racial/Ethnic Disparities

732 Difficult to Determine Herd Immunity Threshold for COVID-19

732 Streetlights May Keep Teens Up at Night, Affecting Mental Health

CLINICAL TRIALS UPDATE

733 Elagolix Reduces Fibroid-Related Heavy Menstrual Bleeding Long-term

733 Aspirin Fails to Prevent Depression in Older Adults

733 Shorter Resident Shifts May Not Improve Patient Safety

733 Mailings, Phone Calls Increase Post-MI Cardiac Rehabilitation

733 Aspirin Protects Against Colorectal Cancer in Lynch Syndrome

NEWS FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION

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734 Lung Diseases Affecting US Workers Cost Billions Annually

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POETRY AND MEDICINE

810 A Song Sung Sweet to Greet the Dead

G Colquhoun

JAMA REVISITED

811 Renaudot and the First French Newspaper and Medical Journal

Letters

RESEARCH LETTER

799 Thrombosis in Hospitalized Patients With COVID-19 in a New York City Health System

S Bilaloglu and Coauthors

This study examines the incidence of and risk factors for venous and arterial thrombosis in patients hospitalized with COVID-19 in 4 New York City hospitals.

801 Ketoacidosis in Children and Adolescents With Newly Diagnosed Type 1 Diabetes During the COVID-19 Pandemic in Germany

C Kamrath and Coauthors

This study uses diabetes registry data to compare the frequency of diabetic ketoacidosis (DKA) in children and adolescents at time of type 1 diabetes diagnosis in Germany during the first 2 months of the coronavirus disease 2019 (COVID-19) pandemic vs the same time period in 2018 and 2019.

804 Therapies Offered at Residential Addiction Treatment Programs in the United States

T Beetham and Coauthors

This study uses simulated patient calls to a random sample of US residential addiction treatment facilities to investigate the availability of opioid agonist treatment (buprenorphine-naloxone) and nonpharmacologic therapies (eg, CBT) for opioid use disorder, and differences by for-profit vs nonprofit center status.

COMMENT & RESPONSE

Reducing Intraoperative Hypotension Using a Machine Learning-Derived Early Warning System

806 C de Tymowski, D Longrois, and P Montravers

In Reply

807 BF Geerts, AP Vlaar, and DP Veelo

Drug Shortages and Group Purchasing Organizations

808 K Calleja

In Reply

809 JM Donohue, I Hernandez, and TB Hershey