

In This Issue: February 18, 2020

Research

ORIGINAL INVESTIGATION

616 Effect of Stress Ulcer Prophylaxis With Proton Pump Inhibitors vs Histamine-2 Receptor Blockers on In-Hospital Mortality Among ICU Patients Receiving Invasive Mechanical Ventilation: The PEPTIC Randomized Clinical Trial

The PEPTIC Investigators for the Australian and New Zealand Intensive Care Society Clinical Trials Group, Alberta Health Services Critical Care Strategic Clinical Network, and the Irish Critical Care Trials Group

This cluster randomized trial compares the effects of proton pump inhibitors (PPIs) vs histamine-2 receptor blockers (H₂RBs) on 90-day mortality among patients requiring invasive mechanical ventilation within 24 hours of admission to the intensive care unit (ICU).

Editorial **611**

 Visual Abstract | Video | CME

627 Predictive Accuracy of a Polygenic Risk Score Compared With a Clinical Risk Score for Incident Coronary Heart Disease

JD Mosley and Coauthors

This epidemiological study involving 2 US cohorts of individuals with white European ancestry assesses the predictive value of polygenic risk scores comprising millions of single-nucleotide polymorphisms vs established guidelines as a screening tool of coronary heart disease.

Editorial **614**

Related Article **636**

 CME

636 Predictive Accuracy of a Polygenic Risk Score-Enhanced Prediction Model vs a Clinical Risk Score for Coronary Artery Disease

J Elliott and Coauthors

This study uses UK Biobank data to examine whether adding polygenic risk information to the pooled cohort equations improves the accuracy of risk prediction for coronary artery disease (CAD).

Editorial **614**

Related Article **627**

 Available online

jama.com

646 Association Between Genetically Proxied Inhibition of HMG-CoA Reductase and Epithelial Ovarian Cancer

J Yarmolinsky and Coauthors

This mendelian randomization analysis study examines the association of the drug target of statins (HMG-CoA reductase) with ovarian cancer and the association of other lipid-lowering drug targets, NPC1L1 and PCSK9, along with LDL cholesterol directly, with ovarian cancer.

Opinion

VIEWPOINT

601 Ethical and Legal Aspects of Ambient Intelligence in Hospitals

S Gerke, S Yeung, and IG Cohen

 Audio

603 Incidental Imaging Findings in Clinical Trials

O Oren, R Blankstein, and DL Bhatt

605 The Use and Misuse of Transparency in Research: Science and Rulemaking at the Environmental Protection Agency

HV Fineberg and DB Allison

607 Evolving Issues in Oxygen Therapy in Acute Care Medicine

L Munshi and ND Ferguson

A PIECE OF MY MIND

609 Finding Faith

EC Kaye

In this narrative medicine essay, a pediatric palliative oncologist meditates on the intersection of faith and medicine and of varying expressions of spirituality in the face of abject pain and suffering among her pediatric patients with cancer.

EDITORIAL

611 Proton Pump Inhibitors vs Histamine-2 Receptor Blockers for Stress Ulcer Prophylaxis in Critically Ill Patients: Issues of Interpretability in Pragmatic Trials


TW Rice, S Kripalani, and CJ Lindsell

Related Article **616**

614 Do Polygenic Risk Scores Improve Patient Selection for Prevention of Coronary Artery Disease?


SS Khan, R Cooper, and P Greenland

Related Articles **627** and **636**

 Online at JAMA.com

MULTIMEDIA


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

 **Audio:** Football Players and Erectile Dysfunction Associated With Repetitive Head Injury

 **Audio:** AIDS-Related Chronic Inflammation Leading to Chronic Disease

 **Author Audio Interview:** Ethical and Legal Aspects of Ambient Intelligence in Hospitals

INSTRUCTIONS FOR AUTHORS

 jamanetwork.com/pages/for-authors

DEPARTMENTS

Staff Listing **587**

CME Questions **662**

Recruitment Advertising **674**

Contact Information **675**

CORRECTIONS **669**



Editor in Chief
Howard Bauchner, MD

136 YEARS
OF CONTINUOUS
PUBLICATION

continued >

In This Issue: February 18, 2020

Clinical Review & Education

JAMA INSIGHTS

656 First-line Psychotherapies for Military-Related PTSD

MM Steenkamp, BT Litz, and CR Marmar

This JAMA Insights Clinical Update reviews psychotherapy treatments for military-related posttraumatic stress disorder (PTSD) and discusses that psychotherapies do not outperform non-trauma-focused interventions and that attention should be paid to managing nonresponse to treatment, addressing posttreatment residual symptoms, and identifying patients with complex presentations who likely require individualized treatment.

658 Recurrent Urinary Tract Infections in Adult Women

S Aslam, M Albo, and L Brubaker

This JAMA Insights summarizes prevention and management recommendations for women with recurrent urinary tract infections (UTIs) and proposes individualizing approaches by age and menopausal status, underlying conditions (eg, diabetes), risk of pyelonephritis/sepsis, and patient preferences.

JAMA CLINICAL CHALLENGE

660 Dysphagia in a 34-Year-Old Woman

S Posner, A Boyd, and A Patel

A 34-year-old woman had worsening intermittent retrosternal dysphagia but no heartburn, nausea, vomiting, abdominal pain, weight loss, or changes in bowel habits; ranitidine (150 mg twice daily) provided no relief. CBC results were normal; esophagogastroduodenoscopy showed esophageal furrows and rings, and esophageal biopsy showed intraepithelial eosinophils. What is the diagnosis and what would you do next?

JAMA PATIENT PAGE

676 Aspirin for Prevention of Cardiovascular Disease

AT Peters and RK Mutharasan

This JAMA Patient Page describes new guideline recommendations on the use of aspirin for primary and secondary prevention of cardiovascular disease.

News & Analysis

MEDICAL NEWS & PERSPECTIVES

595 Trauma-Informed Care May Ease Patient Fear, Clinician Burnout

BM Kuehn

This Medical News article discusses how physicians can take an empathetic approach to caring for patients with a history of trauma.

597 Concussions Linked With Erectile Dysfunction in Football Player Study

J Abbasi

This Medical News article discusses a recent *JAMA Neurology* study that found an association between concussion symptoms and later indicators of erectile dysfunction and low testosterone in former National Football League players.

 Audio

GLOBAL HEALTH

599 Dial-In Mobile Service Enables Patient Feedback on Community Health Care

599 Poor Infection Control Led to Child HIV Outbreak in Pakistan

599 Zoonotic Virus Linked to Severe Encephalitis in Southern Germany

NEWS FROM THE FOOD AND DRUG ADMINISTRATION

600 FDA Says It Supports Cannabis Drug Development via Regulatory Pathways

600 Drug Approved for Rare Mutation in Gastrointestinal Tumor

600 FDA Assesses Potential Cancer Risk Associated With Weight Loss Drug

Humanities

POETRY AND MEDICINE

671 He Who Keeps Going

D Pucciani

JAMA REVISITED

672 Book Notices

Letters

RESEARCH LETTER

663 Private Equity Acquisitions of Physician Medical Groups Across Specialties, 2013-2016

JM Zhu, LM Hua, and D Polsky

This study characterizes practice characteristics and specialties of physicians and medical groups acquired by private equity firms between 2013 and 2016.

COMMENT & RESPONSE

Unmeasured Confounding in Observational Studies of Management of Cerebellar Intracranial Hemorrhage

665 TA van Essen, DK Menon, and HF Lingsma

In Reply

666 JB Kuramatsu, KN Sheth, and HB Huttner

Selepressin for Patients With Septic Shock

667 S Rehberg, A Morelli, and G Jansen

In Reply

667 DC Angus, P-F Laterre, and RJ Lewis for the SEPSIS-ACT Investigators

Risk of Offspring Birth Defects in Women After Bariatric Surgery

668 N Auger, M Bilodeau-Bertrand, and L Arbour

In Reply

668 M Neovius, K Johansson, and O Stephansson

Error in USPSTF Report on Statin Use

669 R Chou

 Available online

jama.com