

JAMA

Journal of the
American Medical Association

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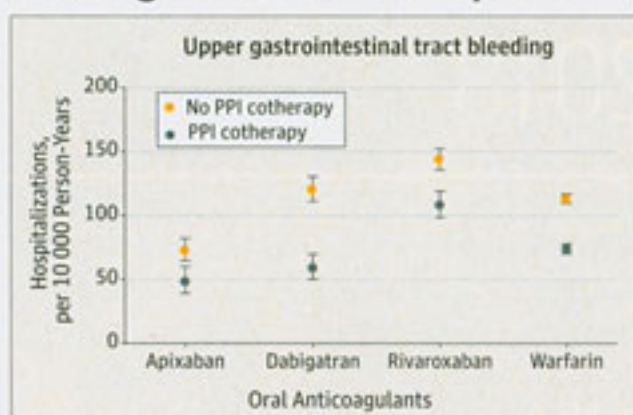
Hypothermia for Severe Traumatic Brain Injury 2211

Prophylactic hypothermia may attenuate inflammatory and biochemical cascades to limit secondary brain injury. For the POLAR Trial Investigators and the ANZICS Clinical Trials Group, Cooper and colleagues randomized 511 patients with severe traumatic brain injury and found that early prophylactic hypothermia compared with normothermia did not improve neurologic outcomes. In an Editorial, Docherty and colleagues discuss why clinical trials of this intervention have not been successful, despite the promising findings of animal studies.

Editorial 2204

CME jamanetwork.com/learning Visual Abstract jama.com

Anticoagulants, Proton Pump Inhibitors, and Bleeding 2221



In patients prescribed warfarin and dabigatran, proton pump inhibitor (PPI) co-therapy is associated with a reduced incidence of upper gastrointestinal tract bleeding, but it is uncertain whether PPI co-therapy is beneficial for patients treated with other anticoagulants. A retrospective cohort study by Ray and colleagues of 1643123 Medicare patients found that the incidence

of hospitalization for upper gastrointestinal tract bleeding among patients treated with rivaroxaban or apixaban was lower if they were also receiving PPI co-therapy.

CME jamanetwork.com/learning

Renin-Angiotensin Inhibitors After Aortic Valve Replacement 2231

In patients with aortic stenosis or surgical aortic valve replacement, treatment with a renin-angiotensin system inhibitor may improve clinical outcomes. Inohara and colleagues followed 21312 patients who underwent transcatheter aortic valve replacement and found that receiving a renin-angiotensin system prescription at hospital discharge was associated with a lower risk of mortality and readmission for heart failure.

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2275 The Future of the Medical Profession



Editor in Chief
Howard Bauchner, MD

135 YEARS
OF CONTINUOUS
PUBLICATION

Research (continued)

Medicaid Expansion and Renal Disease Mortality **2242**

Before Medicaid expansion, as much as one-fifth of nonelderly patients lacked insurance coverage when initiating dialysis. A study by Swaminathan and colleagues of patients initiating dialysis (142724 in Medicaid expansion states and 93522 in nonexpansion states) found that living in a Medicaid expansion state was associated with lower 1-year mortality. In an Editorial, Erickson and colleagues note that this result is consistent with studies reporting health benefits in other high-risk patient populations after Medicaid expansion.

Editorial **2206**

Clinical Review & Education

CARING FOR THE CRITICALLY ILL PATIENT

Bayesian Reanalysis of a Randomized Clinical Trial **2251**

The results of a recent trial of extracorporeal membrane oxygenation for severe acute respiratory distress syndrome are controversial because of a divergence of prior assumptions about the intervention. Goligher and colleagues conducted a post hoc Bayesian analysis of the trial data and determined that the probability of a positive result depends on prior assumptions and on the specification of a minimum clinically important benefit. In an Editorial, Lewis and Angus compare frequentist and Bayesian approaches to scientific research.

Editorial **2208**

CME jamanetwork.com/learning

Incidental Pulmonary Nodules **2260**

In this JAMA Clinical Guidelines Synopsis of a 2017 guideline developed by the Fleischner Society, Anderson and Davis discuss the clinical management of patients with incidental pulmonary nodules detected on computed tomography images.

Intra-articular Injections for Osteoarthritis of the Knee **2262**

Patients with osteoarthritis who have inadequate responses or contraindications to exercise, weight loss, physical therapy, or systemic anti-inflammatory or analgesic drugs may be treated with intra-articular injections of a corticosteroid or hyaluronic acid. This Medical Letter on Drugs and Therapeutics discusses the limited benefits of 2 new intra-articular medications for osteoarthritic knee pain.



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Devices Help Surgeons See Parathyroid Tissue

New Flu Drug Approved

Warning on Warfarin Monitoring

Online @ jama.com



Editor's Audio Summary

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

Visual Abstract

"Effect of Early Sustained Prophylactic Hypothermia on Neurologic Outcomes Among Patients With Severe Traumatic Brain Injury: The POLAR Randomized Clinical Trial"

JAMA Network Collections

Explore collections of content on a range of topics throughout the JAMA Network at <https://jamanetwork.com/pages/collections>.

JAMA Network 2018 Wrap-up

Video summary of the top-viewed articles in the 13 JAMA Network journals in 2018, reported in a Medical News story.

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