

Research

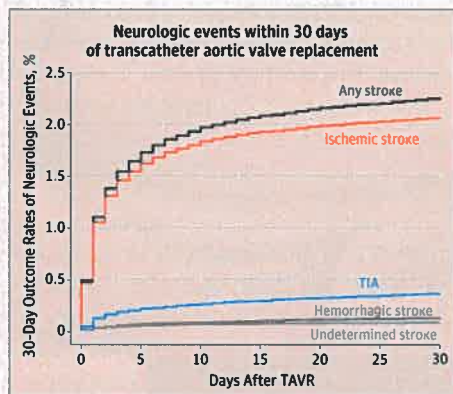
CARING FOR THE CRITICALLY ILL PATIENT

Ventilatory Recruitment Maneuvers for Obese Patients 2292

High positive end-expiratory pressure (PEEP) with recruitment maneuvers improves respiratory function in obese surgical patients, but the effect on clinical outcomes is uncertain. The PROBESE Collaborative Group randomized 2013 obese surgical patients and found that an intraoperative mechanical ventilation strategy with high PEEP and recruitment maneuvers did not reduce postoperative pulmonary complications. In an Editorial, Godet and Futier discuss the challenges of providing ventilatory support for obese patients.

Editorial 2285

Stroke After Transcatheter Aortic Valve Replacement 2306



Postprocedural stroke is a serious complication of transcatheter aortic valve replacement. In a retrospective cohort study of 101 430 patients at 521 US hospitals, Huded and colleagues found that the rate of 30-day stroke following transcatheter aortic valve replacement remained stable between 2011 and 2017. In an Editorial, Messé and Ailawadi suggest that the study may have failed to identify some minor strokes, and the clinical importance of these events is uncertain.

Editorial 2287

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Biomarker Profiles and Memory Decline 2316

Amyloid plaques, tau neurofibrillary tangles, and signs of neurodegeneration are neuropathologic indicators of Alzheimer disease. Jack and colleagues followed 480 adults without baseline dementia for a median of 4.8 years and found that a prediction model with imaging markers of amyloid, tau, and cortical thickness resulted in a small but statistically significant improvement in predicting memory decline over a model with more readily available clinical and genetic variables. In an Editorial, Wolk and colleagues suggest that biomarker profiles may be useful to classify subgroups of patients in clinical trials.

Editorial 2289

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Humanities

Poetry and Medicine

2371 On a Surgeon Poet
EJ Forsbergh

JAMA Revisited

2372 THE VICTORY MEETING

Opinion

Viewpoint

2275 New Federal Requirements to Inform Patients About Breast Density: Will They Help Patients?

NL Keating and LE Pace

2277 The Challenges of Defining and Studying "Digital Addiction" in Children
DA Christakis

2279 Vision for the Future of Continuing Board Certification
CC Colenda, WJ Scanlon, and RE Hawkins

2281 Artificial Intelligence in Health Care: Will the Value Match the Hype?
EJ Emanuel and RM Wachter

A Piece of My Mind

2283 Finding the Words
JA Pandit

Editorial

2285 Setting Positive End-Expiratory Pressure in Mechanically Ventilated Patients Undergoing Surgery
T Godet and E Futier

2287 Stroke After Transcatheter Aortic Valve Replacement: An Important but Underreported Outcome in Clinical Practice
SR Messé and G Ailawadi

2289 Putting the Alzheimer Disease Amyloid, Tau, and Neurodegeneration (AT[N]) Diagnostic System to the Test
D Wolk, S Salloway, and B Dickerson

LETTERS

Research Letter

2362 Suicide Rates Among Adolescents and Young Adults in the United States, 2000-2017
O Miron and Coauthors

2364 Changes in Obesity Among US Children Aged 2 Through 4 Years Enrolled in WIC During 2010-2016
L Pan and Coauthors

Comment & Response

2366 Evaluation of Patients With a History of Penicillin Allergy

2367 Atrial Fibrillation Detection With Wearable Devices

2369 Challenges of Personal Health Records

2370 Correction

Editor in Chief
Howard Bauchner, MD

135 YEARS
OF CONTINUOUS
PUBLICATION

Clinical Review & Education

RECOMMENDATION STATEMENT

Screening Recommendations for HIV Infection

2326

It has been estimated that 15% of US residents with HIV are unaware of their infection and are responsible for 40% of HIV transmission. The US Preventive Services Task Force recommends HIV screening for adolescents and adults aged 15 to 65 years, younger adolescents and older adults who are at increased risk of infection, and all pregnant women.

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EVIDENCE REPORT

Outcomes of HIV Screening and Treatment

2337

In a review of 40 studies with 485 105 participants, Chou and colleagues found no direct evidence on the clinical benefits and harms of screening for HIV infection, but confirmed the benefit of antiretroviral therapy for asymptomatic individuals with CD4 cell counts greater than 500/mm³.

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EVIDENCE REPORT

Outcomes of HIV Screening and Treatment in Pregnancy

2349

In a review of 62 studies, Selph and colleagues found that prenatal screening accurately diagnosed HIV infection, and that combination antiretroviral therapy was highly effective at reducing risk of mother-to-child HIV transmission.

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Screening for HIV Infection



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2376 Who Should Be Screened for HIV Infection?

NEWS & ANALYSIS

Medical News & Perspectives

2268 Despite Policies to Improve Faculty Diversity, Disparities Persist at Public Health Schools

Quick Uptakes

2270 For "Broken Heart" Syndrome, Brain May Hold the Key

2271 The JAMA Forum

The Rural Hospital Problem

2273 Global Health

Subpopulations Are Vulnerable to Fetal Alcohol Spectrum Disorder

UN: All-out Effort Needed to Combat Antimicrobial Resistance

Vaccine Reduces Pneumonia in Kenya

2274 News From the FDA

First Treatment for Children With Rare Myasthenic Syndrome

Drugs for Heart Disease With Rare Cause

Safety Alert for Certain Pacemakers

Online @ jama.com



Editor's Audio Summary

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

Author Audio Interview



Nancy L. Keating, MD, MPH, author of "New Federal Requirements to Inform Patients About Breast Density"

US Preventive Services Task Force

Explore recommendation statements and accompanying evidence reports on various health issues at <https://jamanetwork.com/collections/44068/united-states-preventive-services-task-force>.

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2259 Staff Listing

2361 CME Questions

2373 Classified Advertising

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2375 Contact Information

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