

## In This Issue: August 3, 2021

## Research

## ORIGINAL INVESTIGATION

**390 Effect of an Active vs Expectant Management Strategy on Successful Resolution of Pregnancy Among Patients With a Persisting Pregnancy of Unknown Location: The ACT or NOT Randomized Clinical Trial**KT Barnhart and Coauthors  
for the Reproductive Medicine Network

This clinical trial compares the effect of 3 management strategies on successful resolution of pregnancy among patients with a persisting pregnancy of unknown location.

CME

**401 Effect of a Sedation and Ventilator Liberation Protocol vs Usual Care on Duration of Invasive Mechanical Ventilation in Pediatric Intensive Care Units: A Randomized Clinical Trial**B Blackwood and Coauthors  
for the SANDWICH Collaborators

This cluster randomized clinical trial compares a sedation and ventilator liberation protocol intervention for the duration of invasive mechanical ventilation vs usual care in infants and children anticipated to require prolonged mechanical ventilation.

Visual Abstract

**411 Association of Dose Tapering With Overdose or Mental Health Crisis Among Patients Prescribed Long-term Opioids**

A Agnoli and Coauthors

This study examines whether there are associations between opioid dose tapering and subsequent rates of overdose and mental health crisis among patients prescribed stable, long-term, high-dose opioids.

Editorial 388

CME

## Opinion

## VIEWPOINT

**381 Potential Benefits of Expanded COVID-19 Surveillance in the US**

DR Holtgrave, SH Vermund, and LS Wen

**383 Will CMS Find Aducanumab Reasonable and Necessary for Alzheimer Disease After FDA Approval?**

KA Schulman, MD Greicius, and B Richman

Available online

jama.com

**385 Modernizing Public Health Data Systems: Lessons From the Health Information Technology for Economic and Clinical Health (HITECH) Act**

KT Kadakia, MD Howell, and KB DeSalvo

## A PIECE OF MY MIND

**387 So Long, Old Friend**  
DB Reuben

In this narrative medicine essay, a geriatrician muses about his 44-year relationship with his pager, describes its changes in sound and form, and compares it with its smartphone replacement, which he deems is more functional and more frightening.

## EDITORIAL

**388 Opioid Tapering Practices—Time for Reconsideration?**

M Larochelle, PA Lagisette, and ASB Bohnert

Related Article 411

## Clinical Review &amp; Education

## SPECIAL COMMUNICATION

**420 FDA Regulation and Approval of Medical Devices: 1976-2020**

JJ Darrow, J Avorn, and AS Kesselheim

This Special Communication reviews the development of laws and standards affecting the evaluation and oversight of medical devices by the US Food and Drug Administration (FDA) and the outcomes of this regulatory system from 1976 to 2020.

Audio | CME

## JAMA GUIDE TO STATISTICS AND METHODS

**433 Interpreting the Results of Intention-to-Treat, Per-Protocol, and As-Treated Analyses of Clinical Trials**

VA Smith, CJ Coffman, and MG Hudgens

This JAMA Guide to Statistics and Methods describes how intention-to-treat, per-protocol, and as-treated approaches to analysis differ with regard to the patient population and treatment assignments and their implications for interpretation of treatment effects in clinical trials.

## Online at JAMA.com

## AUDIO

Editor's Summary of This Issue  
FDA Regulation and Approval of Medical Devices: 1976-2020

## CME

Find CME quizzes online at  
jamacmelookup.com

## INSTRUCTIONS FOR AUTHORS

jamanetwork.com/pages/for-authors

## DEPARTMENTS

Staff Listing 373

CME Questions 437

Recruitment &amp; Classified Advertising 447

Contact Information 449

## Interim Editor in Chief

Phil B. Fontanarosa, MD, MBA



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## In This Issue: August 3, 2021

## JAMA CLINICAL CHALLENGE

**435 Alopecia in a 36-Year-Old Man With HIV Infection**

MJ Billick and WL Gold

A 36-year-old man with a history of chronic HIV infection had 3 weeks of generalized weakness; examination revealed a maculopapular rash on his arms and torso and patchy hair loss on his scalp. His CD4<sup>+</sup> cell count was 820/ $\mu$ L and his HIV viral load was undetectable. What is the diagnosis and what would you do next?

## JAMA PATIENT PAGE

**450 Pain Management During Vaginal Childbirth**

J Jin and M Son

This JAMA Patient Page describes the types of nonpharmacologic and pharmacologic approaches available for pain management during vaginal childbirth.

## News &amp; Analysis

## MEDICAL NEWS &amp; PERSPECTIVES

**376 Study Suggests Lasting Immunity After COVID-19, With a Big Boost From Vaccination**

J Abbasi

This Medical News article discusses the duration of immunity after SARS-CoV-2 infection.

## NEWS FROM THE JAMA NETWORK

**378 Evidence for a Colorectal Cancer Screening Benefit After Age 75 Years****378 Ridesharing Services May Reduce Alcohol-Associated Car Crashes****378 Is Dapagliflozin Cost-effective for Treating Heart Failure?****378 Simple Intervention Motivates Expectant Fathers to Quit Smoking**

## NEWS FROM THE FOOD AND DRUG ADMINISTRATION

**379 Collecting Patient-Reported Outcomes in Cancer Clinical Trials****379 FDA Approves Skin Graft Alternative for Thermal Burns****379 First Treatment for Plasminogen Deficiency Is Approved**

## Humanities

## POETRY AND MEDICINE

**445 A Sea Glass Mind: Reflection on a Grandfather's Dementia**  
LG Cox

## JAMA REVISITED

**446 Current Comment**

## Letters

## RESEARCH LETTER

**438 Association Between Hospital Voluntary Participation, Mandatory Participation, or Nonparticipation in Bundled Payments and Medicare Episodic Spending for Hip and Knee Replacements**

JM Liao and Coauthors

This study uses Medicare claims data to compare spending for hip and joint replacements among hospitals with voluntary vs mandatory participation vs nonparticipation in the Medicare Bundled Payments for Care Improvement program between 2011 and 2017.

## COMMENT &amp; RESPONSE

**The US Preventive Services Task Force Recommendation on Lung Cancer Screening****440** BS Squires, R Levitin, and IS Grills

## In Reply

**441** MJ Barry, K Davidson, and CM Mangione**X-Waiver Exemption in the Treatment of Opioid Use Disorder****441** RD Shearer, BR Ford, and BA Howell

## In Reply

**442** MB Weimer, SE Wakeman, and R Saitz