

In This Issue: February 11, 2020

Research

ORIGINAL INVESTIGATION

519 Effect of Incisional Negative Pressure Wound Therapy vs Standard Wound Dressing on Deep Surgical Site Infection After Surgery for Lower Limb Fractures Associated With Major Trauma: The WHIST Randomized Clinical Trial

ML Costa and Coauthors
for the WHIST Trial Collaborators

This randomized clinical trial compares the effects of incisional negative pressure wound therapy vs standard wound dressing on deep surgical site infection (SSI) at 30 days among patients undergoing surgery for major trauma-related lower limb fractures.

Editorial **513**

[Visual Abstract](#) | [CME](#)

527 Effect of Vancomycin or Daptomycin With vs Without an Antistaphylococcal β -Lactam on Mortality, Bacteremia, Relapse, or Treatment Failure in Patients With MRSA Bacteremia: A Randomized Clinical Trial

SYC Tong and Coauthors
for the Australasian Society for Infectious Diseases Clinical Research Network

This randomized trial compares the effect of combining standard antibiotic therapy (intravenous vancomycin or daptomycin) with an antistaphylococcal β -lactam (intravenous flucloxacillin, cloxacillin, or cefazolin) vs standard therapy alone on a composite outcome of mortality, bacteremia, relapse, or treatment failure in adults with methicillin-resistant *Staphylococcus aureus* (MRSA) bacteremia.

Editorial **515**

[Visual Abstract](#)

538 Out-of-Network Bills for Privately Insured Patients Undergoing Elective Surgery With In-Network Primary Surgeons and Facilities

KR Chhabra and Coauthors

This study uses claims data from a large US health insurer to describe the proportion of times patients who had undergone elective surgery at in-network facilities with in-network primary surgeons received out-of-network bills between 2012 and 2017.

Related Article **498**

Editor's Note **547**

[Available online](#)

jama.com

Opinion

VIEWPOINT

503 Improving the Residency Application and Selection Process: An Optional Early Result Acceptance Program

MM Hammoud, J Andrews, and SE Skochelak

[Audio](#)

505 Sharing Patient Data Without Exploiting Patients

MS McCoy, S Joffe, and EJ Emanuel

Viewpoint **507**

507 Sharing Health Care Data With Digital Giants: Overcoming Obstacles and Reaping Benefits While Protecting Patients

RM Wachter and CK Cassel

Viewpoint **505**

509 Artificial Intelligence in Health Care: A Report From the National Academy of Medicine

ME Matheny, D Whicher, and S Thadaney Israni

A PIECE OF MY MIND

511 Such Promise

H Newman

In this narrative medicine essay, a general pediatrics resident recalls the doubt and fear surrounding her high school diagnosis of ideopathic bone marrow suppression syndrome, her slow journey to recovery, and her how her family and physicians who cared for her nurtured her ambition to become a pediatric oncologist.

EDITORIAL

513 Incisional Negative Pressure Wound Therapy Following Surgical Repair of Lower Extremity Fractures

CE Quatman, ME Villarreal, and A Cochran

Related Article **519**

515 Combination Therapy for Methicillin-Resistant *Staphylococcus aureus* Bacteremia: Not Ready for Prime Time

TN Gandhi and PN Malani

Related Article **527**

517 New Therapeutic Strategies for Asthma

EM Zoratti and GT O'Connor

Related Articles **561** and **563**

[Online at JAMA.com](#)

MULTIMEDIA

[Editor's Audio Summary](#): Listen as editors discuss this week's issue

[Audio](#): Testing for Breast Cancer Susceptibility Genes

[Audio](#): Parkinson Disease

[Author Audio Interview](#): Improving the Residency Application and Selection Process

INSTRUCTIONS FOR AUTHORS

jamanetwork.com/pages/for-authors

DEPARTMENTS

Staff Listing **491**

CME Questions **565**

Recruitment Advertising **577**

Contact Information **579**

CORRECTIONS **573**



Editor in Chief
Howard Bauchner, MD

136 YEARS
OF CONTINUOUS
PUBLICATION

continued >

In This Issue: February 11, 2020

EDITOR'S NOTE

547 Surprise Billing in Surgery— Time for Action

KE Joynt Maddox and E Livingston

Related Article [538](#)

Clinical Review & Education

REVIEW

548 Diagnosis and Treatment of Parkinson Disease: A Review

MJ Armstrong and MS Okun

This narrative review summarizes the clinical manifestations of Parkinson disease, proposes an algorithm for diagnosing and classifying subtypes of the disease, and discusses pharmacologic and nonpharmacologic approaches for managing its most troublesome signs and symptoms including tremor, dyskinesias, gait disturbance, and cognitive impairment.

 Audio | CME

JAMA INSIGHTS

561 Outpatient Management of Chronic Asthma in 2020

JW Tripple, BT Ameredes, and WJ Calhoun

This JAMA Insights Clinical Update reviews recent evidence favoring use of inhaled corticosteroids (ICS) in all patients with asthma, regardless of frequency, and summarizes the SMART (single maintenance and reliever therapy) treatment approach, which uses an inhaler combining ICS and formoterol for control and relief of symptoms, and differences between SMART and symptom-driven therapy.

Editorial [517](#)

Related Article [563](#)

563 Management of Acute Asthma in Adults in 2020

MF Zaidan, BT Ameredes, and WJ Calhoun

This JAMA Insights Clinical Update reviews management of asthma exacerbations, including the use of inhaled corticosteroids (ICS), azithromycin, magnesium sulfate, and nebulized bronchodilators vs metered-dose inhalers (MDIs), and discusses the potential future role of benralizumab and other biological therapies.

Editorial [517](#)

Related Article [561](#)

JAMA PATIENT PAGE

580 Medical Cannabis

KP Hill

This JAMA Patient Page describes use of preparations of the cannabis plant to treat medical conditions, the strength of evidence supporting such use, and the risks involved.

News & Analysis

MEDICAL NEWS & PERSPECTIVES

493 Which Postmenopausal Women Should Use Testosterone for Low Sexual Desire?

A Slomski

This Medical News article discusses new international recommendations for female testosterone therapy.

THE JAMA FORUM

496 Legal Solutions for Universal Health Coverage

LO Gostin

JAMA INFOGRAPHIC

498 US Statistics on Surprise Medical Billing

Related Article [538](#)

BIOTECH INNOVATIONS

499 Investigational Hemophilia A Gene Therapy Shows Sustained Benefit

499 Artificial Intelligence Improves Breast Cancer Screening in Study

499 Ultrasound Brain Stimulation Piloted in Alzheimer Study

NEWS FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION

500 Dangers of Driving While High

500 Mercury Poisoning From Skin Cream

Humanities

POETRY AND MEDICINE

575 March 26

G McFall

JAMA REVISITED

576 Art of Therapy

576 A M A grams

Letters

RESEARCH LETTER

566 Estimates of Medication Diversion in Hospice

JG Cagle and Coauthors

This study uses a random survey of US hospice agencies to estimate rates of confirmed and suspected cases of medication diversion away from patients in hospice and association of diversion rates with agency characteristics and state opioid death rates.

568 Reported Heroin Use, Use Disorder, and Injection Among Adults in the United States, 2002-2018

B Han and Coauthors

This study uses National Surveys on Drug Use and Health data to characterize trends in heroin use, heroin use disorder, and heroin injection overall and by age, race, and geographic region.

COMMENT & RESPONSE

Increasing Spending on Primary Care to Reduce Health Care Costs

571 RA Young

In Reply

571 S Gondi and Z Song

Supply Chain Optimization and Waste Reduction

572 EM Cahan, A Chawla, and KG Shea

In Reply

573 C Thiel and LI Horwitz

 Available online