

## In This Issue: August 27, 2024

## Research

## ORIGINAL INVESTIGATION

**629 Continuous vs Intermittent  $\beta$ -Lactam Antibiotic Infusions in Critically Ill Patients With Sepsis: The BLING III Randomized Clinical Trial**JM Dulhunty and Coauthors  
for the BLING III Study InvestigatorsThis clinical trial compares the efficacy of continuous vs intermittent infusion of a  $\beta$ -lactam antibiotic (piperacillin-tazobactam or meropenem) in decreasing all-cause mortality at 90 days in critically ill patients with sepsis.Editorial **623**Related Article **638**

Visual Abstract | Audio | CME

**638 Prolonged vs Intermittent Infusions of  $\beta$ -Lactam Antibiotics in Adults With Sepsis or Septic Shock: A Systematic Review and Meta-Analysis**

MH Abdul-Aziz and Coauthors

This systematic review and bayesian meta-analysis investigates whether administration of  $\beta$ -lactam antibiotics by prolonged infusion reduces 90-day mortality compared with intermittent infusion in adult patients with sepsis or septic shock.Editorial **623**Related Article **629**

Audio

**649 Diagnostic Accuracy of an Integrated AI Tool to Estimate Gestational Age From Blind Ultrasound Sweeps**

JSA Stringer and Coauthors

This prospective diagnostic study examines the accuracy of an AI-enabled ultrasonography tool in estimating gestational age when used by those with no prior training in sonography.

Editorial **626**

Audio | Video

## RESEARCH LETTER

**666 Midcareer Satisfaction and Likelihood of Leaving Current Position of Former Career Development Awardees**

R Jagsi and Coauthors

This study assesses career satisfaction, discrepancies between ideal and expected careers, and likelihood of leaving current positions among former K awardees.

**668 Access to Psychiatric Appointments for Medicaid Enrollees in 4 Large US Cities**

D Brahmhatt and WL Schpero

This audit study examines availability of and wait times for Medicaid enrollee appointments with psychiatric prescribing clinicians across 4 of the most populous US cities.

**669 Hospital Assets Before and After Private Equity Acquisition**

E Schrier and Coauthors

This study assesses changes in hospitals' capital assets after private equity acquisition.

## Opinion

## VIEWPOINT

**613 Supporting OB-GYNs in Abortion-Restrictive States—A Playbook for Institutions**

EL Sabbath, KS Arora, and M Buchbinder

Related Article **621****615 Oaths, Conscience, Contracts, and Laws—The Gathering Storm Confronting Medical Professionalism**

PA Gabow and MK Wynia

**617 New Rules Requiring Accessible Medical Diagnostic Equipment—Updates to Section 504 Disability Civil Rights Regulations**

LI Iezzoni and MA Stein

**619 The Human Cost of Politicizing Immigration: Migration Stigma, US Politics, and Health**

LH Yang, MA Eger, and BG Link

## A PIECE OF MY MIND

**621 Trail Magic**

B Gray

In this narrative medicine essay, an obstetrician-gynecologist describes a day in her life of crossing state lines to provide abortion care for people from all over the Southeast US in the post-Dobbs era.

## EDITORIAL

**623 Resolving the Dilemma on Continuous vs Intermittent  $\beta$ -Lactam Antibiotics in Sepsis**

WJ Wiersinga and MA van Agtmael

Related Articles **629** and **638**

## Online at JAMA.com

## AUDIO

Editor's Summary of This Issue

Diagnostic Accuracy of an Integrated AI Ultrasound Tool for Gestational Age Estimation

Continuous vs Intermittent  $\beta$ -Lactam Antibiotic Infusions in Patients With Sepsis

Hospital Gun Restrictions

Heat-Related Illness and Athletes

## CME

CME online at  
jamacmelookup.com

CME Disclosure Statement: Unless noted, all individuals in control of content reported no relevant financial relationships. If applicable, all relevant financial relationships have been mitigated.

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Kirsten Bibbins-Domingo, PhD, MD, MAS

Available online

jama.com



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AC Gimovsky, AC Eke, and MG Tuuli

Related Article [649](#)

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### Draft Guidance on Reporting Gender, Sex, Gender Identity, Sexual Orientation, and Age in Medical and Scientific Publication—Call for Review and Comment

A Flanagan and Coauthors

### Clinical Review & Education

#### SPECIAL COMMUNICATION

### 658 Firearm Policy in the Hospital Setting—Recognizing Health Care as a “Sensitive Place”

JB Romero and Coauthors

This Special Communication explores whether US hospitals fall under the “sensitive places” exception to the Second Amendment and the ethical and practical considerations that support advancing firearm regulations in health care settings.

 Audio | CME

#### JAMA INSIGHTS

### 662 Anterior Cruciate Ligament Injuries in Female Athletes

J Napolitano, D Duerson, and J MacDonald

This JAMA Insights discusses anterior cruciate ligament (ACL) injuries in female athletes, including modifiable and nonmodifiable sex-based risk factors and the implementation of ACL injury prevention programs.

 CME

### 664 Heat-Related Illness in Athletes

FG O'Connor and DW DeGroot

This JAMA Insights discusses heat-related illness in athletes, including risk factors, prevention, symptoms, and management.

 Audio | CME

 Available online

#### JAMA PATIENT PAGE

### 682 What Are Canker Sores?

R Voelker

This JAMA Patient Page describes the types of canker sores and how they can be treated.

#### News & Analysis

#### MEDICAL NEWS & PERSPECTIVES

### 605 As Ransomware Attacks on Health Care Surge, Here’s What Clinicians and Health Systems Can Do

A Bock

This Medical News story discusses the rise in ransomware cyberattacks on health care, as well as new cybersecurity initiatives.

### 607 The World Needs a Staph Vaccine—New Research Could Bring It a Step Closer

D Coffey

This Medical News article discusses recent findings that help explain *Staphylococcus aureus* vaccine failures.

#### MEDICAL NEWS IN BRIEF

### 610 NIH Starts Testing Nasal COVID-19 Vaccine in US

### 610 EHR Data Suggest Tirzepatide Outdoes Semaglutide for Weight Loss

### 610 Systematic Review: Problems With Smell Tied to Increased Frailty Risk

### 610 WHO Launches First Global Guidelines for Quitting Tobacco

### 610 Prenatal RSV Vaccine Not Tied to Higher Risk of Preterm Births

### 611 Weight Loss Drugs Linked With Lower Risk of 10 Cancers

### 611 Dementia Rates Have Fallen Over Time, But Some Risk Factors Are Rising

### 611 Pharmacy Middlemen Profit at Patients’ Expense, Says FTC

### 611 More Data About Risks, Benefits Might Change Breast Cancer Screening Choice

#### Humanities

#### POETRY AND MEDICINE

### 677 wasn’t there once

A Truong

#### EDITOR’S NOTE

### 677 The Body as Poetry

R Campo

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#### JAMA REVISITED

### 678 Industrial Pollution of Human Environment

#### Letters

#### COMMENT & RESPONSE

### Detection of Phosphorylated $\alpha$ -Synuclein in Patients With Synucleinopathies

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#### GLP-1 Agonists for Obesity

672 M Kurian, AM Rogers, and RM Peterson

673 AJ Moran and CA Roberto

673 J Dellgren, EJ Emanuel, and G Persad

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#### In Reply

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