

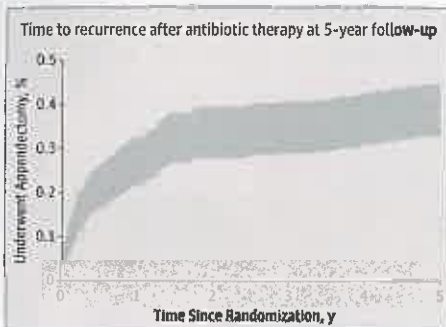
Research

Algorithm-Based Therapy for Staphylococcal Bacteremia 1249

Undertreated infections have lower cure rates, but overtreatment with antibiotics increases the likelihood of drug-related adverse events. Holland and colleagues for the Staphylococcal Bacteremia investigators randomized 509 patients with staphylococcal bacteremia and found that use of an algorithm to guide testing and treatment resulted in a noninferior rate of clinical success compared with usual care. In an Editorial, Perencevich and Malani suggest that antimicrobial stewardship programs and guidelines should consider the use of algorithms to set targets for the duration of antibiotic regimens.

Editorial 1243

Long-term Outcomes of Antibiotic Therapy for Appendicitis 1259



Antimicrobial therapy is effective for the treatment of uncomplicated acute appendicitis, but the long-term recurrence rate is unknown. Salminen and colleagues followed 256 patients with appendicitis treated with antibiotics and found that the likelihood of appendicitis recurrence within 5 years was 39.1%. In an Editorial, Livingston suggests that patients with uncomplicated acute appendicitis should have the option to choose

antibiotic therapy or undergo appendectomy if they do not want to worry about recurrence.

Editorial 1245

Author Audio Interview and Summary Video jama.com CME jamanetwork.com/learning

Variant Reclassification Following Cancer Genetic Testing 1266

The interpretation of genetic test results may change as new information about the risks of genetic variants becomes available. Mersch and colleagues assessed initial and amended test results for 1.45 million individuals who had hereditary cancer genetic testing at a single commercial laboratory and found that 24.9% of variants of uncertain significance were reclassified to categories of greater or lesser risk of pathogenicity. In an Editorial, Burke recommends that genetic test results should be interpreted in the context of other clinical information and the evolving understanding of genetic risks.

Editorial 1247

CME jamanetwork.com/learning



Humanities

The Arts and Medicine

1224 Cystic Fibrosis in Art: How the Experience of Living With Cystic Fibrosis is Inspiring a Movement in Contemporary Art
EJT Milliken

Poetry and Medicine

1289 Runner Heal Thyself
E McConnell

JAMA Revisited

1290 The Daily Press and the "Futilities of Contemporary Science"

Opinion

Viewpoint

1233 Genetics, Biochemistry, and "Simple" Organisms Converge to Unlock Secrets in Histone Biology: The 2018 Albert Lasker Basic Medical Research Award
M Grunstein and CD Allis

1235 The Discovery and Development of Propofol Anesthesia: The 2018 Lasker-DeBakey Clinical Medical Research Award
JB Glen

1237 Reducing Maternal Mortality in the United States
MC Lu

1239 The Acute Stroke Care Revolution: Enhancing Access to Therapeutic Advances
SA Josephson and H Karnel

A Piece of My Mind

1241 Letting Her Be in Charge
LE Fiellin

Editorial

1243 Treatment Algorithms for Staphylococcal Bacteremia: Improving Clinical Care and Enhancing Antimicrobial Stewardship
EN Perencevich and PN Malani

1245 Antibiotic Treatment for Uncomplicated Appendicitis Really Works: Results From 5 Years of Observation in the APPAC Trial
EH Livingston

1247 Making Sense of the Genome Remains a Work in Progress
W Burke

LETTERS

Research Letter

1282 Temporal Trends and Characteristics of Reportable Health Data Breaches, 2010-2017
TH McCoy Jr and RH Peris

Comment & Response

1284 Antibiotic Treatment for Uncomplicated Urinary Tract Infections

1285 Use of a Wearable Activity Monitor in a Home-Based Exercise Intervention for Peripheral Artery Disease

1287 Improving Health Care Value by Considering Cost-effectiveness

1288 Correction

Editor in Chief
Howard Bauchner, MD

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PUBLICATION

Clinical Review & Education

CLINICAL UPDATE

Fractional Flow Reserve to Assess Coronary Artery Stenosis **1275**

Coronary angiograms can overestimate or underestimate the severity of moderate stenosis. This JAMA Insights article by Bhatt discusses the measurement of fractional flow reserve during angiography to guide therapeutic decisions.

CLINICAL UPDATE

Reconstruction After Breast Cancer Surgery **1277**



Breast reconstruction after mastectomy can improve physical and psychosocial well-being. This JAMA Insights article by Lee and Shekter discusses techniques and outcomes of breast reconstruction surgery.

High-Resolution Manometry for Persistent Esophageal Symptoms **1279**

This JAMA Diagnostic Test Interpretation article by Patel and colleagues presents a 22-year-old man with retrosternal burning, gastroesophageal reflux, and intermittent solid-food dysphagia while taking acid suppressive therapy. An esophageal high-resolution manometry study demonstrated absent esophageal peristalsis and a median integrated relaxation pressure of greater than 15 mm Hg. How would you interpret these test results?



JAMA Patient Page
1294 Gallbladder Cancer

NEWS & ANALYSIS

Medical News & Perspectives

1227 The Path to the First FDA-Approved Cannabis-Derived Treatment and What Comes Next

1230 Health Agencies Update

Obesity and Influenza A Shedding

Diversifying the NIH-Funded Workforce

Indian Health Service Launches

Opioids Website

1231 Clinical Trials Update

Mosaic HIV Vaccine Shows Promise

Antipsychotics May Affect Metabolism

Study Lays Foundation for TB Vaccine

Direct-mail FIT Improves Cancer Screening Rates

Informing Physicians of Fatal Overdose Curbs Opioid Prescribing

1232 News From the CDC

Opioid Use Disorder During Pregnancy

Disability and Access to Care

Online @ jama.com



Editor's Audio Summary

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

Visual Abstract

"Effect of Algorithm-Based Therapy vs Usual Care on Clinical Success and Serious Adverse Events in Patients with Staphylococcal Bacteremia: A Randomized Clinical Trial"

Author Interview



AUDIO Paulina Salminen, MD, author of "Five-Year Follow-up of Antibiotic Therapy for Uncomplicated Acute Appendicitis in the APPAC Randomized Clinical Trial"

Genomics and Precision Health

A genomics glossary and related articles are available at jamagenetics.com.

Departments

1217 Staff Listing

1281 CME Questions

1291 Classified Advertising

1292 Journal Advertiser Index

1293 Contact Information

Instructions for Authors

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