

Research

Treatments for Ceftriaxone-Resistant Infections **984**

Alternatives to carbapenem antibiotics are needed for the treatment of infections caused by ceftriaxone-resistant bacteria to avoid the emergence of carbapenem resistance. Harris and colleagues for the MERINO Trial Investigators and the Australasian Society for Infectious Disease Clinical Research Network randomized 379 patients who had bloodstream infections with ceftriaxone-resistant *Escherichia coli* or *Klebsiella pneumoniae* and found that treatment with piperacillin-tazobactam compared with meropenem did not result in a noninferior outcome of 30-day mortality. In an Editorial, Hayden and Won recommend studies of novel therapies to limit carbapenem exposure.

■ Editorial 979

■ CME jamanetwork.com/learning

Levofloxacin to Prevent Bacteremia **995**

Bacteremia is a leading cause of morbidity and mortality in children receiving chemotherapy for leukemia or undergoing hematopoietic stem cell transplantation. In a randomized trial by Alexander and colleagues for the Children's Oncology Group that enrolled 624 patients, levofloxacin prophylaxis reduced the incidence of bacteremia in children with leukemia but not in children undergoing hematopoietic stem cell transplantation.

Sequelae of Gestational Diabetes **1005**

Gestational diabetes is associated with adverse pregnancy outcomes. Lowe and colleagues for the HAPO Follow-up Study Cooperative Research Group followed 4697 mothers and 4832 children and found that gestational diabetes was associated with a greater risk that affected mothers would develop a disorder of glucose metabolism, but not with an independent risk that their children would become overweight or obese.

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Editor in Chief
Howard Bauchner, MD

135 YEARS
OF CONTINUOUS
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Research (continued)

Recanalization of Intracranial Occlusions 1017

Assessing the likelihood of arterial recanalization after alteplase treatment can help determine which patients with acute ischemic stroke may require transport to a comprehensive stroke center for endovascular therapy. In a multicenter prospective cohort study of 575 patients with acute ischemic stroke, Menon and colleagues for the INTERSeCT Study Investigators identified factors associated with recanalization of arterial occlusion after administration of intravenous alteplase; among patients who did not receive alteplase, rates of arterial recanalization were low.

Clinical Review & Education

Identifying Risk Factors for Clinical Outcomes 1027



Case-control studies compare individuals who have an outcome of interest, such as a disease, with other individuals from the same population to identify risk factors that may or may not be causal. In this JAMA Guide to Statistics and Methods, Irony discusses the strengths and limitations of the case-control study design.

CLINICAL UPDATE

Management of Groin Hernias in Adults 1029

In the past, operative repair was recommended for all patients with inguinal or femoral hernias. This JAMA Insights article by Montgomery and colleagues discusses clinical options for patients with hernias.

Infection With *Clostridium difficile* 1031

In this JAMA Clinical Guidelines Synopsis of a 2018 guideline developed by the Infectious Diseases Society of America and the Society for Healthcare Epidemiology of America, Gupta and colleagues discuss the diagnosis and treatment of patients with suspected *Clostridium difficile* infection.



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Phil Fontanarosa, MD, summarizes and comments on this week's issue.

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