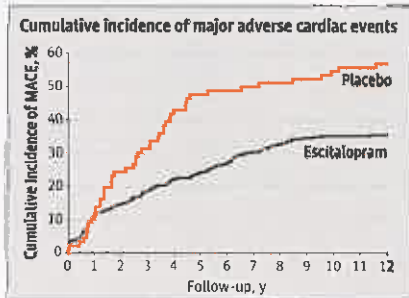


Research

Depression Treatment and Long-term Cardiac Outcomes 350



Randomized trials of antidepressants for patients with acute coronary syndrome and depression have demonstrated improvement in depressive symptoms but not in long-term cardiac outcomes. In a long-term follow-up study by Kim and colleagues of 300 patients with acute coronary syndrome and depression, treatment with escitalopram reduced the risk of major adverse cardiac events (MACE).

[CME jamanetwork.com/learning](http://CME.jamanetwork.com/learning)

Sepsis Care and In-Hospital Mortality 358

Clinicians treating children with presumed sepsis should promptly obtain blood cultures and initiate therapy with broad-spectrum antibiotics and intravenous fluids. Evans and colleagues followed up 1179 pediatric patients hospitalized with sepsis and found that completion of a bundle of tests and treatments within 1 hour of sepsis recognition was associated with lower in-hospital mortality. In an editorial, Vinci and Melendez suggest that implementation of a sepsis care bundle may be an indicator of institutional expertise, pediatric volume, or a culture of quality improvement.

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Muscle Strengthening for Patients Who Are Critically Ill 368

Patients receiving intensive care may experience muscle wasting and weakness, which can prolong mechanical ventilation and persist after hospital discharge. Fossat and colleagues randomized 314 critically ill adult patients and found that adding cycling exercises and electrical muscle stimulation to a standardized early rehabilitation program did not improve global muscle strength.



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Editor in Chief
Howard Bauchner, MD

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OF CONTINUOUS
PUBLICATION

Clinical Review & Education

Prevention and Treatment of HIV Infection 379

Prevention and treatment with antiretroviral drugs can improve clinical outcomes. Saag and a panel of experts in HIV research and patient care reviewed recent research and updated recommendations for initiating therapy, monitoring individuals taking therapy, changing treatment regimens, and preventing HIV infection for individuals at risk. In an Editorial, Riddell emphasizes that nearly all patients diagnosed as having HIV infection should receive antiretroviral therapy as soon as possible.

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CLINICAL UPDATE

Long-acting Reversible Contraceptives 397

In the United States, nearly half of all pregnancies are unplanned. This JAMA Insights article by Wu and colleagues discusses the benefits and risks of intrauterine devices and the subdermal progestin implant.

🎧 Audio Interview [jama.com](#)

An Antidote for Anticoagulant-Associated Bleeding 399

Coagulation factor Xa (recombinant), inactivated-zhzo binds to the factor Xa inhibitors apixaban and rivaroxaban to reverse their anticoagulant effect. This Medical Letter on Drugs and Therapeutics discusses the efficacy and safety of andexanet alfa for patients treated with factor Xa inhibitors who have active major bleeding.



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on this week's issue.

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Working on the Precipice: On the Frontlines
of the AIDS Epidemic at the CDC, Part I

Visual Abstracts

"Effect of Escitalopram vs Placebo Treatment
for Depression on Long-term Cardiac
Outcomes in Patients With Acute Coronary
Syndrome: A Randomized Clinical Trial" and
"Effect of In-Bed Leg Cycling and Electrical
Stimulation of the Quadriceps on Global
Muscle Strength in Critically Ill Adults:
A Randomized Clinical Trial"

Audio Interviews



Justine P. Wu, MD,
MPH, author of
"Long-acting
Reversible
Contraception—

Highly Efficacious, Safe, and Underutilized,"
and Joseph Ross, MD, Yale School
of Public Health

Anthony Fauci, MD, National Institute
of Allergy and Infectious Diseases,
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