

Research

CARING FOR THE CRITICALLY ILL PATIENT

Evaporative Cooling for Out-of-Hospital Cardiac Arrest **1677**

Some evidence suggests that therapeutic hypothermia for patients in cardiac arrest may be more effective if initiated during cardiopulmonary resuscitation rather than at a later stage of treatment. Nordberg and colleagues randomized 677 patients with bystander-witnessed out-of-hospital cardiac arrest and found that trans-nasal evaporative intra-arrest cooling did not result in a statistically significant improvement in neurologically intact survival at 90 days. In an Editorial, Hirsch and Callaway discuss the difficulty in demonstrating a benefit of protective vs resuscitative hypothermia.

📖 Editorial **1673**

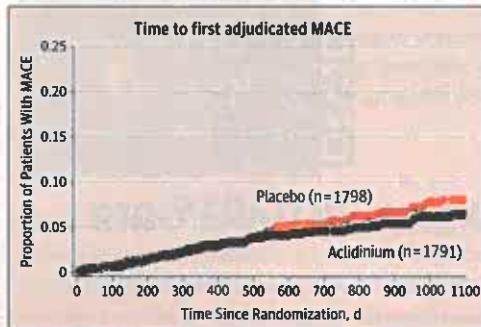
📺 Visual Abstract jama.com

Aspirin and Fecal Immunochemical Testing **1686**

Observational study findings suggest that aspirin may increase the sensitivity of fecal immunochemical tests for detecting advanced adenomas, which are the precursors of most colorectal cancers. Brenner and colleagues randomized 2422 patients and found that administration of a single dose of oral aspirin prior to fecal immunochemical testing did not improve the detection of advanced colorectal neoplasms.

📺 Visual Abstract jama.com CME.jamanetwork.com/learning

Acclidinium for Chronic Obstructive Pulmonary Disease **1693**



Long-acting muscarinic antagonists, such as acclidinium, are widely used for maintenance bronchodilation in patients with chronic obstructive pulmonary disease, but their cardiovascular safety is unclear. In a randomized trial of 3589 patients with chronic obstructive pulmonary disease and a history of cardiovascular disease or atherothrombotic risk factors, Wise and

colleagues found that acclidinium, compared with placebo, did not result in an inferior risk for major adverse cardiovascular events (MACEs).



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Editor in Chief
Howard Bauchner, MD

135 YEARS
OF CONTINUOUS
PUBLICATION

Research (continued)

Gestational Weight Gain and Maternal and Infant Outcomes 1702

Optimal gestational weight gain ranges are not well defined for all prepregnancy weights. In a meta-analysis using data from 25 cohort studies with 196 670 participants from Europe and North America, the LifeCycle Project-Maternal Obesity and Childhood Outcomes Study Group estimated optimal weight gain ranges for various prepregnancy weights, but the estimates had limited predictive value for adverse maternal and infant outcomes.

Editor's Note 1715

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Clinical Review & Education

WOMEN'S HEALTH

Long-term Management of Patients With Breast Cancer 1716

Optimal management of patients with breast cancer can minimize the adverse effects of treatment. This JAMA Insights article by Ruddy and Ganz reviews treatment options and long-term follow-up of cancer survivors. In an Editorial, Crandall and Livingston introduce a new article series entitled JAMA Clinical Insights: Women's Health.

Editorial 1676

Author Audio Interview jama.com

A Woman With an Enlarging Gluteal Mass 1718



This JAMA Clinical Challenge by Graham and colleagues presents a 71-year-old woman with an enlarging, immobile, painless mass in her right gluteal area. What would you do next?

Cardiovascular Benefits of Oral Hypoglycemic Drugs 1720

Sodium-glucose co-transporter 2 inhibitors and glucagon-like peptide 1 receptor agonists may reduce the risk of cardiovascular events in patients with type 2 diabetes. This Medical Letter on Drugs and Therapeutics discusses the benefits and risks of these oral hypoglycemic agents.

Online @ jama.com



Editor's Audio Summary

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

Author Audio Interview



Kevin A. Schulman, MD, author of "The Implications of 'Medicare for All' for US Hospitals"

Visual Abstracts

"Effect of Trans-Nasal Evaporative Intra-arrest Cooling on Functional Neurologic Outcome in Out-of-Hospital Cardiac Arrest: The PRINCESS Randomized Clinical Trial" and "Effect of a Single Aspirin Dose Prior to Fecal Immunochemical Testing on Test Sensitivity for Detecting Advanced Colorectal Neoplasms"



Patricia A. Ganz, MD, author of "Treatment of Nonmetastatic Breast Cancer"



Carolyn J. Crandall, MD, MS, author of "Women's Health: A New JAMA Clinical Insights Series"



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