

Research

Hypothermia for Hypoxic-Ischemic Encephalopathy 1550

Hypothermia initiated within 6 hours of birth reduces the risk of death or disability for infants with hypoxic-ischemic encephalopathy, but some affected infants lack immediate access to this treatment. In a randomized clinical trial of 168 term infants with hypoxic-ischemic encephalopathy, Laptook and colleagues estimated that hypothermia initiated at 6 to 24 hours after birth, compared with noncooling, had a 76% probability of reduced risk of death or disability.

📖 **Related Article 1605**

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Robot-Assisted vs Laparoscopic Radical Nephrectomy 1561

Observational studies suggest that robot-assisted and laparoscopic procedures for radical nephrectomy have similar perioperative outcomes. Jeong and colleagues compared perioperative outcomes and costs of these procedures in a retrospective cohort study of 23753 patients and found that use of robot assistance was not associated with increased risk of any or major complications but was associated with prolonged operating time and higher hospital costs compared with laparoscopic surgery. In an Editorial on this and another article on robot-assisted surgery in this issue, Wright comments that surgical innovations often diffuse into practice with limited formal assessment.

📖 **Editorial 1545** **Related Article 1569**

Robot-Assisted vs Laparoscopic Rectal Cancer Resection 1569

When a minimally invasive surgical procedure becomes technically difficult, it may require conversion to an open operation such as laparotomy. In a multicenter randomized trial by Jayne and colleagues that enrolled 471 patients with rectal adenocarcinoma, robotic-assisted laparoscopic surgery, compared with conventional laparoscopic surgery, did not significantly reduce the risk of conversion to laparotomy.

📖 **Editorial 1545** **Related Article 1561**

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LQ Gostin, JG Hodge Jr, and SA Noe

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1617 Treatment of the Opium Neurosis

Editor in Chief
Howard Bauchner, MD

134 YEARS
OF CONTINUOUS
PUBLICATION

Research (continued)

Prehospital Blood Product Transfusion for Combat Casualties 1581

Hemorrhage is a leading cause of preventable death in military and civilian trauma. Shackelford and colleagues conducted a retrospective cohort study of 502 US military combat casualties with traumatic limb amputation or shock and found that blood product transfusion within minutes of injury and prior to hospitalization, compared with delayed transfusion or no transfusion, were associated with improved survival. In an Editorial, Elster and Bailey suggest that some lessons learned in combat zones may be applicable to systems of civilian trauma care.

Editorial 1548

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Clinical Review & Education

Urinary Incontinence in Women 1592



Untreated urinary incontinence is associated with falls and fractures, sleep disturbances, depression, and urinary tract infections. Lukacz and colleagues review the clinical treatment of women with urinary incontinence in a stepwise approach.

Author Audio Interview jama.com CME jamanetwork.com/learning

Using Prior Information in Clinical Trials 1605

In clinical trials of rare diseases, prior information can be used to analyze data on small samples of patients and express study findings as a set of probabilities that the intervention was effective. In this JAMA Guide to Statistics and Methods, Quintana and colleagues discuss the application of this method to clinical research.

Related Article 1550

Prasterone for Dyspareunia 1607

This Medical Letter on Drugs and Therapeutics discusses the use of the steroid precursor prasterone for intravaginal treatment of moderate-to-severe dyspareunia due to vulvo-vaginal atrophy.

Online @ jama.com



Editor's Audio Summary

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

Research Ethics Site

Important documents and discussions of ethical principles are available at sites.jamanetwork.com/research-ethics.

Author Interview



AUDIO Interview with Linda Brubaker, MD, and Emily S. Lukacz, MD, authors of "Urinary Incontinence in Women: A Review"

Genomics and Precision Health

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

Time	Yielded amount (mL)	Initial amount/1000	Leakage (cm, mm, kg)	Urgency or effort	Activity
7:00	350				
7:35					Climb, 30
8:15					
10:30	600				
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