

## Research

### Surgery for Displaced Fracture of the Distal Tibia 1767



Fractures of the distal tibia are difficult to manage because of limited soft tissue coverage, poor vascularity, and proximity of the fracture to the ankle joint. In a randomized trial of 321 adult patients with acute displaced fractures of the distal tibia who were randomized to nail fixation or locking plate fixation, Costa and colleagues for the FixDT trial investigators found no difference in disability at 6 months.

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### Prepregnancy Body Mass Index and Severe Maternal Morbidity 1777

In the United States, half of pregnant women are overweight or obese. Lisonkova and colleagues conducted a retrospective population-based cohort study of all singleton hospital births in Washington State and found that low and high prepregnancy body mass index, compared with normal body mass index, were associated with statistically significant but small absolute increases in severe maternal morbidity or mortality. In an Editorial, Caughey discusses approaches to the prevention of obesity and the clinical management of pregnant women who are obese.

[Editorial 1765](#)

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### Prediction of Advanced Chronic Kidney Disease 1787

Acute kidney injury is usually reversible, but some patients have accelerated loss of kidney function. James and colleagues derived and validated a predictive model for progression of acute kidney injury to advanced chronic kidney disease in 2 population-based cohorts of 9973 patients with a prehospitalization estimated glomerular filtration rate of greater than 45 mL/min/1.73 m<sup>2</sup>. A multivariable model using routine laboratory data predicted advanced chronic kidney disease following hospitalization with acute kidney injury.

## Opinion

### Viewpoint

**1753 The Las Vegas Shootings—Underscoring Key Features of the Firearm Epidemic**  
JM Shultz, S Thoresen, and S Galea

**1755 FDA's Innovative Plan to Address the Enormous Toll of Smoking**  
KE Warner and SA Schroeder

**1757 The Critical Role of Biomedical Research in Pandemic Preparedness**  
HD Marston, CI Paules, and AS Fauci

**1759 Global Budgets for Safety-Net Hospitals**  
JM Sharfstein, S Gerwisch, and D Chin

### A Piece of My Mind

**1761 The Greatest Gift: How a Patient's Death Taught Me to Be a Physician**  
LI Kaplan

### Editorial

**1763 Death by Gun Violence—A Public Health Crisis**  
H Bauchner and Coauthors

**1765 Prepregnancy Obesity and Severe Maternal Morbidity: What Can Be Done?**  
AB Caughey

## LETTERS

### Research Letter

**1825 Change in Testing, Awareness of Hemoglobin A<sub>1c</sub> Result, and Glycemic Control in US Adults, 2007-2014**  
S Shahraz and Coauthors

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**1828 Insulin Analogues and Hypoglycemia in Patients With Type 1 Diabetes**

**1829 Antipsychotic Drug Prescribing in Nursing Homes**

**1831 Personal Sound Amplification Products for Hearing Loss**

**1831 Correction**

### Humanities

**The Arts and Medicine**  
**1740 Beyond Heart Symbolism: Artistic Representation of Narratives of Congenital Heart Disease**  
G Biglino, S Layton, and J Wray

**Poetry and Medicine**  
**1834 When**  
CS Halberstadt

**JAMA Revisited**  
**1835 The Method of Experiment in Medicine**

## Research (continued)

### Immunotherapy for Patients With Peanut Sensitivity **1798**

Peanut allergy is the most common cause of food-induced anaphylactic reaction in the United States. In a randomized trial of 221 patients with peanut sensitivity, Sampson and colleagues found that a 250- $\mu$ g patch of peanut protein applied daily to the surface of the skin for 12 months resulted in significant treatment response vs placebo.

## Clinical Review & Education

### Does This Patient Have Acute Mountain Sickness? **1810**

Acute mountain sickness affects otherwise healthy persons who ascend rapidly to high elevation. This article in the JAMA Rational Clinical Examination series by Meier and colleagues reviews the clinical diagnosis of acute mountain sickness.

 JAMA Patient Page **1840**

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### Interpreting Studies With Composite Disease Outcomes **1820**

Combining several disease outcomes into a single composite end point can simplify the evaluation of disease-modifying therapies. In this JAMA Guide to Statistics and Methods, Irony discusses the strengths and limitations of composite end points in studies of diseases with multiple clinically important outcomes.

### A Stem Cell Transplant Recipient With a Red Rash **1822**



This JAMA Clinical Challenge by Shi and colleagues presents a 66-year-old man with multiple myeloma who developed fever and a pruritic, blanching skin eruption after hematopoietic stem cell transplantation. What would you do next?



**JAMA Patient Page**  
**1840** Acute Mountain Sickness

## NEWS & ANALYSIS

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**1746** Phage Therapy's Role in Combating Antibiotic-Resistant Pathogens

### The JAMA Forum

**1748** The High Costs of Unnecessary Care

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Functional Brain Imaging Updates on the Horizon

Laboratory-on-a-Chip Uses Acoustics to Isolate Telltale Particles in Blood

### 1751 News From the CDC

"Healing Bracelet" Causes Harm

Stroke Death Rate Plateaus

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### Editor's Audio Summary

Edward H. Livingston, 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](http://sites.jamanetwork.com/research-ethics)

### Animated Summary Video



Epicutaneous Immunotherapy vs Placebo on Peanut Protein Exposure Reaction

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