Targeting Family Behaviors to Prevent Childhood Obesity

Obesity often begins in childhood. Barkin and colleagues randomized 610 parent-child pairs from underserved communities and found that a 36-month intervention to promote healthy family behaviors had no effect on body mass index among preschool-age children. In an Editorial, Zylke and Bauchner note that excessive weight gain has been resistant to medical intervention and suggest that interventions for responsive parenting may offer some hope.

Responsive Parenting and Childhood Weight Outcomes

Developmentally appropriate parenting can promote healthy childhood outcomes. In a trial that randomized 291 mother-child pairs, Paul and colleagues found that a responsive parenting intervention initiated in early infancy resulted in a modest reduction in body mass index $z$ scores at age 3 years, but no significant difference in body mass index percentile.

Genomic Sequencing and Non–Small Cell Lung Cancer

Testing non–small cell lung cancers for specific genetic mutations can identify patients who are likely to benefit from targeted treatments, but broad-based genomic sequencing has not been shown to improve patient outcomes. Presley and colleagues conducted a retrospective cohort study of 5688 patients with advanced non–small cell lung cancer and found that broad-based genomic sequencing was not associated with better survival. In an Editorial, Bunn and Aisner suggest that broad-based genomic sequencing is likely to be beneficial when it leads to evidence-based targeted therapy.

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Genomic Sequencing and Non–Small Cell Lung Cancer

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Opinion

Viewpoint

433 Type 2 Myocardial Infarction—Diagnosis, Prognosis, and Treatment
CP McCarthy, M Vaduganathan, and JL Januzzi Jr

435 Return of Research Results to Study Participants: Uncharted and Untested
CA Wong, AF Hernandez, and RM Calif

437 Progress in Prevention and Treatment of Acute Kidney Injury: Moving Beyond Kidney Attack
JA Kellum, R Bellomo, and C Ronco

439 Protecting NIH’s Integrity and Trustworthiness in Public-Private Partnerships
B Lo and D Grady

A Piece of My Mind

441 This Is My Body
KE Norman

Editorial

443 Preventing Obesity in Children: A Glimmer of Hope
JW Zylke and H Bauchner

445 Broad-Based Molecular Testing for Lung Cancer: Precisely the Time for Precision
PA Bunn Jr and DL Aisner

447 Electrocardiographic Monitoring for Prevention of Atrial Fibrillation–Associated Cardioembolic Stroke
JJ Goldberger and RD Mitrani

LETTERS

Research Letter

502 Opioid Overdose After Surgical Discharge
KS Ladha and Coauthors

504 Persistent Opioid Use After Wisdom Tooth Extraction
CM Harbaugh and Coauthors

Comment & Response

506 Opioids vs Nonopioids for Chronic Back, Hip, or Knee Pain
509 Varicose Veins and Deep Venous Thrombosis
510 Correction

Humanities

Poetry and Medicine

511 Monument
A Thurston

JAMA Revisited

512 Discoveries and Discoverers

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In This Issue of JAMA

Clinical Review & Education

**RECOMMENDATION STATEMENT**

**Screening for Atrial Fibrillation With Electrocardiography** 478

Atrial fibrillation is a major risk factor for ischemic stroke. This US Preventive Services Task Force statement concludes that current evidence is insufficient to assess the balance of benefits and harms of screening with electrocardiography to identify patients with atrial fibrillation. In an Editorial, Goldberger and Mitrani suggest that atrial myopathy may lead to cardioembolic stroke even in the absence of atrial fibrillation.

- Editorial 447 Related Article 485 JAMA Patient Page 516
- Author Audio Interview jama.com CME jamanetwork.com/learning

**EVIDENCE REPORT**

**Outcomes of Screening for Atrial Fibrillation** 485

In a review of 17 studies with 135,300 participants, Jonas and colleagues found that screening with electrocardiography has not been shown to detect more cases of atrial fibrillation than screening with pulse palpation, nor has treatment of screen-detected asymptomatic older adults been shown to result in better health outcomes than treatment after detection by usual care.

- Editorial 447 Related Article 478 JAMA Patient Page 516

**Probiotics to Prevent Clostridium difficile Infection** 499

Antibiotic therapy can alter the colonic microbiota and increase the risk of *Clostridium difficile* infection; probiotics are live microbial preparations that may decrease this risk. In this JAMA Clinical Evidence Synopsis summarizing a Cochrane review of 39 randomized clinical trials, Goldenberg and colleagues discuss the benefits of administering probiotics along with antibiotics in patients at high risk of infection with *Clostridium difficile*.

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**Author Audio Interview**

C. Seth Landefeld, MD, author of “Screening for Atrial Fibrillation With Electrocardiography: US Preventive Services Task Force Recommendation Statement”

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**Editor’s Audio Summary**

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

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**Visual Abstracts**

“Effect of a Behavioral Intervention for Underserved Preschool-Age Children on Change in Body Mass Index: A Randomized Clinical Trial” and “Effect of a Responsive Parenting Educational Intervention on Childhood Weight Outcomes at 3 Years of Age: The INSIGHT Randomized Clinical Trial”

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**Departments**

- 423 Staff Listing
- 501 CME Listing
- 513 Classified Advertising
- 514 Journal Advertiser Index
- 515 Contact Information

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