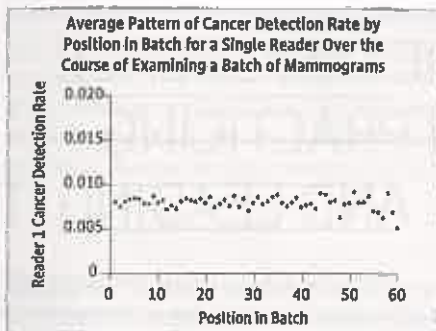


Research

Mammogram Reading Order and Breast Cancer Detection 1956



Interpreting screening mammograms is a repetitive task that may demonstrate "vigilance decrement" and a reduced cancer detection rate with time on task. In a multicenter cluster randomized trial conducted at 46 breast screening centers in England and involving 360 qualified mammography readers, Taylor-Phillips and colleagues found no difference in breast cancer detection rate when a second reader reviewed batched digital

mammograms (median batch size, 35 mammograms) in the same order or opposite order as the first reader. In an Editorial, Burnside and colleagues discuss the potential of pragmatic studies to improve screening mammography practice.

Editorial 1951

Continuing Medical Education jamanetworkcme.com

Rehydration Solutions in Pediatric Gastroenteritis 1966

In a randomized single-blinded trial that enrolled 647 children (aged 6 to 60 months) presenting to a pediatric emergency department with mild gastroenteritis and minimal dehydration, Freedman and colleagues assessed whether oral hydration with diluted (1/2 strength) apple juice followed by the child's preferred fluids was noninferior to electrolyte maintenance solutions on a composite measure of treatment failure within 7 days of enrollment. The authors report that initial oral hydration with diluted apple juice followed by the child's preferred fluids resulted in fewer treatment failures.

Continuing Medical Education jamanetworkcme.com

Macitentan, New Ischemic Digital Ulcers in Systemic Sclerosis 1975

Endothelin-1—a mediator of vascular proliferation, inflammation, and fibrosis—is overexpressed in the plasma of patients with systemic sclerosis, particularly among patients with digital ulcers. Khanna and colleagues evaluated the efficacy of macitentan—a novel dual endothelin receptor antagonist—in reducing the number of new digital ulcers in 2 multicenter, randomized, placebo-controlled trials involving 289 patients and 265 patients with systemic sclerosis and active digital ulcers, respectively. The authors found that compared with placebo, treatment with macitentan did not reduce new digital ulcers over 16 weeks.

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Humanities

The Art of JAMA
1932 *Susanna Fournent and Her Daughter*, 1621
Anthony van Dyck (1599-1641)

Poetry and Medicine
2021 I wait for you

JAMA Revisited
2022 Clothing and Health of Infants

Opinion

Viewpoint

1941 Convergence of Implementation Science, Precision Medicine, and the Learning Health Care System: A New Model for Biomedical Research
DA Chambers, WG Feero, and MJ Khoury

1943 Evolving Approaches in Research and Care for Ovarian Cancers: A Report From the National Academies of Sciences, Engineering, and Medicine
DA Levine, BY Karlan, and JF Strauss III

1945 The Emerging Zika Virus Epidemic in the Americas: Research Priorities
HM Lazear, EM Steinger, and AM de Silva

1947 Hepatitis C Treatment Delivery Mandates Optimizing Available Health Care Human Resources: A Case for Task Shifting
CR Jayasekera, S Arosa, and A Ahmed

A Piece of My Mind

1949 Strolling With Recovering Addicts
M Soliman and H Jalal

Editorial

1951 A Pragmatic Approach to Determine Components of Optimal Screening Mammography Practice
ES Burnside, EA Sickles, and SW Duffy

1953 Quantifying the Benefits and Risks of Methylphenidate as Treatment for Childhood Attention-Deficit/Hyperactivity Disorder
P Shaw

LETTERS

Research Letter

2015 Utilization of Telemedicine Among Rural Medicare Beneficiaries
A Mehrotra and Coauthors

Comment & Response

2016 Maternal and Neonatal Mortality After Cesarean Delivery

2018 Hemodynamic Responses to Energy Drink Consumption

2019 Presence of Medical Students and Length of Stay in the Emergency Department

Editor In Chief
Howard Bauchner, MD

132 YEARS
OF CONTINUOUS
PUBLICATION

Research (continued)

BMI Associated With Lowest Mortality, 1976-2013 1989

Prior research has shown a U-shaped pattern of body mass index (BMI) and mortality. To test the hypothesis that the BMI value associated with the lowest all-cause mortality has increased over a period of 3 decades, Afzal and colleagues analyzed data from 3 cohorts of the Danish general population who were recruited in 1976-1978 (n=13 704), 1991-1994 (n=9482), and 2003-2012 (n=97 362). The authors report that the BMI associated with the lowest all-cause mortality increased by 3.3 from 1976-1978 through 2003-2013.

Clinical Review & Education

Treatment of ADHD in Adolescents 1997

In a systematic review of pharmacological (6 randomized trials and 1 meta-analysis; 1752 patients) and psychosocial (10 randomized trials; 916 participants) treatment of attention-deficit/hyperactivity disorder (ADHD) in adolescents, Chan and colleagues found evidence that several approved stimulant medications and a nonstimulant medication improve symptoms of ADHD. Psychosocial treatments were associated with inconsistent effects on ADHD symptoms but improved academic and organizational skills.

Related Article 2009

Author Audio Interview jama.com

Methylphenidate for ADHD in Children and Adolescents 2009

Storebø and colleagues summarize a Cochrane review of 185 trials that assessed methylphenidate treatment for children and adolescents with attention-deficit/hyperactivity disorder (ADHD). Methylphenidate is associated with improvement in ADHD symptoms, general behavior, and quality of life; however, the magnitude of the improvement is uncertain. In an Editorial, Shaw discusses complexities in quantifying benefits and risks of methylphenidate use in ADHD.

Editorial 1953 Related Article 1997

Smoking Cessation in Adults and Pregnant Women 2011

Haddad and Davis summarize the US Preventive Services Task Force guideline, Tobacco Smoking Cessation in Adults and Pregnant Women: Behavior and Pharmacotherapy Interventions. Behavioral interventions should be provided to all adults who use tobacco. Smoking cessation pharmacotherapy should be prescribed to all nonpregnant adults who use tobacco. There is insufficient evidence to recommend pharmacotherapy for pregnant women who use tobacco or to recommend use of electronic nicotine delivery systems in any adults.

Online @jama.com



Editor's Audio Summary

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

The JAMA Forum

insightful commentary on the political aspects of health care from leading health economists, health policy experts, and legal scholars

Author Interview

AUDIO Interview with Eugenia Chan, MD, MPH, author of "Treatment of Attention-Deficit/Hyperactivity Disorder in Adolescents: A Systematic Review" and Philip Shaw, MD, PhD, author of "Quantifying the Benefits and Risks of Methylphenidate as Treatment for Childhood Attention-Deficit/Hyperactivity Disorder"



JAMA Patient Page
2032 Stomas

NEWS & ANALYSIS

Medical News & Perspectives

1934 FDA's Foray Into Big Data Still Maturing

1936 The JAMA Forum

We Can't All Have It All: The Economic Limits of Pharmaceutical Innovation

1938 Capitol Health Call

Doubling Cap on Patients Physicians Can Treat With Buprenorphine

HHS Called to Implement Law to Prevent Cyber Attacks

Senators Urge Appropriation of Funds for Gun Violence Research at the CDC

Senate Health Committee Passes Bill to Improve Treatment of Mental Illness

1939 News From the CDC

Protecting Health Workers From Zika During Labor and Delivery

Greater Efforts Needed to Restart Domestic Decline in Tuberculosis

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1929 Staff Listing

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