

Research

CARING FOR THE CRITICALLY ILL PATIENT

Preventing Extubation Failure

1465

High-flow nasal oxygen with noninvasive ventilation can improve gas exchange and decrease the work of breathing. For the HIGH-WEAN Study Group and REVA Research Network, Thille and colleagues randomized 648 mechanically ventilated patients and found that the use of high-flow nasal oxygen with noninvasive ventilation immediately after extubation significantly decreased the risk of reintubation as compared with high-flow nasal oxygen alone. In an Editorial, Telias and Ferguson discuss how the findings of this trial can be applied in clinical practice.

Editorial 1455

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CARING FOR THE CRITICALLY ILL PATIENT

Selepressin for Septic Shock

1476

Selepressin is a noncatecholaminergic vasopressor that mitigates sepsis-induced vasodilatation, vascular leakage, and edema. Laterre and colleagues for the SEPSIS-ACT Investigators randomized 868 patients who were receiving norepinephrine for the treatment of septic shock and found that selepressin, compared with placebo, did not reduce vasopressor- and ventilator-free days.

Visual Abstract jama.com

Adherence to Diet and Physical Activity

1486

A major challenge for studies of nutritional interventions is adherence of the participants to dietary goals. Sayón-Orea and colleagues conducted a preliminary analysis of a randomized trial with 6874 participants and found that encouragement to follow an energy-reduced Mediterranean diet plus physical activity, compared with advice to follow an energy-unrestricted Mediterranean diet, resulted in a significantly greater increase in diet adherence after 12 months.

Editor's Note 1500

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Editor in Chief
Howard Bauchner, MD

Clinical Review & Education

Waste in the US Health Care System

1501

The United States spends more on health care than any other country, and approximately 30% of this spending may be considered waste. Shrank and colleagues estimate the costs of health care waste in the domains of care delivery, care coordination, overtreatment or low-value care, pricing, fraud and abuse, and administrative complexity. In related Editorials by Joynt Maddox and McClellan, Berwick, and Bauchner and Fontanarosa, the authors discuss administrative and political barriers to reducing waste in the US health care system.

Viewpoint 1451 Editorial 1458, 1460, and 1463

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

CLINICAL UPDATE

Control of *Candida auris* Colonization

1510

Candida auris is an emerging pathogen that can cause severe infection in patients with underlying comorbid illness. This JAMA Insights article by Bradley discusses recommendations for control of this widely disseminated, drug-resistant pathogen.

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A Man With Joint Pain and Proteinuria

1512



This JAMA Clinical Challenge by Al Saleh and colleagues presents a 66-year-old man who had chronic joint pain associated with soft tissue masses, periorbital purpura, and albuminuria. What would you do next?



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

Author Audio Interview



Anna D. Sinaiko, MPP, PhD, author of "What Is the Value of Market-Wide Health Care Price Transparency?"

Audio and Video Interview

William H. Shrank, MD, MSHS, author of "Waste in the US Health Care System: Estimated Costs and Potential for Savings"

Visual Abstracts

"Effect of Postextubation High-Flow Nasal Oxygen With Noninvasive Ventilation vs High-Flow Nasal Oxygen Alone on Reintubation Among Patients at High Risk of Extubation Failure: A Randomized Clinical Trial"

"Effect of Selepressin vs Placebo on Ventilator- and Vasopressor-Free Days in Patients With Septic Shock: The SEPSIS-ACT Randomized Clinical Trial"

"Effect of a Nutritional and Behavioral Intervention on Energy-Reduced Mediterranean Diet Adherence Among Patients With Metabolic Syndrome: Interim Analysis of the PREDIMED-Plus Randomized Clinical Trial"

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