

Research

Systemic Absorption of Sunscreen Ingredients

2082

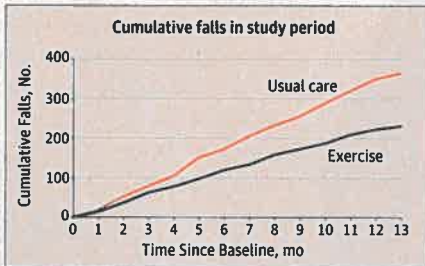
The US Food and Drug Administration recommends toxicology studies of sunscreen ingredients if they can be systemically absorbed at a prespecified plasma concentration. Matta and colleagues randomized 24 healthy adults and found that application of 4 commercially available sunscreens under maximal use conditions resulted in plasma concentrations that exceeded a threshold established by the Food and Drug Administration. In an Editorial, Califf and Shinkai suggest that until more information is available, sunscreen should continue to be used for cancer prevention.

Editorial 2077

CME jamanetwork.com/learning Visual Abstract jama.com

A Home-Based Exercise Program to Prevent Recurrent Falls

2092



Strength and balance exercises have been shown to reduce the incidence of falls of community-dwelling older adults, but have not been shown to prevent new falls of older adults who have previously fallen. Liu-Ambrose and colleagues randomized 344 adults aged 70 years or older who had fallen within the past 12 months and found that a home-based strength and

balance retraining exercise program reduced the rate of subsequent falls. In an Editorial, Pahor suggests that future trials should target risk factors for falls, such as obesity and prolonged sitting time, in addition to pain, fatigue, sleep, and depression.

Editorial 2080 Related Articles 2129 and 2131

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Treatment of Heart Failure With Preserved Ejection Fraction

2101

Neladenoson bialanate, a partial adenosine A1 receptor agonist, may improve pathophysiologic abnormalities but has not been evaluated for the treatment of heart failure with preserved ejection fraction. Shah and colleagues randomized 305 patients with heart failure with preserved ejection fraction and found that neladenoson did not improve exercise capacity.



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MM Gandhi

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in Biology in High Schools

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M Pahor

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2129 Prevalence and Payments for Traumatic Injury Compared With Common Acute Diseases by Episode of Care in Medicare Beneficiaries, 2008-2014
JR Montgomery and Coauthors

2131 Mortality From Falls Among US Adults Aged 75 Years or Older, 2000-2016
KA Hartholt and Coauthors

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2136 Estimating Renal Function in Pregnancy

Editor in Chief
Howard Bauchner, MD

135 YEARS
OF CONTINUOUS
PUBLICATION

Research (continued)

Stroke and Long-term Mortality

2113

Advancements in treatment and secondary prevention may have altered the long-term prognosis of stroke. Ekker and colleagues conducted a population-based study of 15 527 patients aged 18 to 49 years who had a history of stroke and found that their mortality risk compared with the general population remained elevated up to 15 years later.

Clinical Review & Education

Adjusting for Unknown Biases in Observational Studies

2124

In this JAMA Guide to Statistics and Methods, Maciejewski and Brookhart discuss the use of instrumental variables to adjust for unobserved patient characteristics associated with the treatment and outcome of a study.

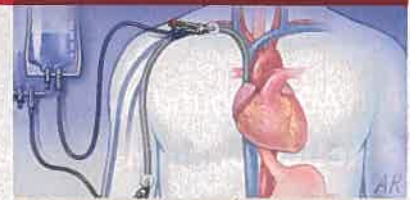
WOMEN'S HEALTH

Uterine Bleeding in Reproductive-Age Women

2126

Uterine bleeding that is abnormal in duration, quantity, or timing is commonly experienced by women of reproductive age. This JAMA Insights article by Kaunitz discusses the clinical management of women with heavy menstrual bleeding and women with irregular bleeding associated with ovulatory dysfunction.

Author Audio Interview jama.com



JAMA Patient Page

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Editor's Audio Summary

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

Visual Abstracts

"Effect of Sunscreen Application Under Maximal Use Conditions on Plasma Concentration of Sunscreen Active Ingredients: A Randomized Clinical Trial" and "Effect of a Home-Based Exercise Program on Subsequent Falls Among Community-Dwelling High-Risk Older Adults After a Fall: A Randomized Clinical Trial"

Author Audio Interview



Alan I. Leshner, PhD, author of "Medication-Based Treatment to Address Opioid Use Disorder"



Andrew M. Kaunitz, MD, NCMP, author of "Abnormal Uterine Bleeding in Reproductive-Age Women"

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