

## Research

### Linagliptin vs Glimepiride for Type 2 Diabetes

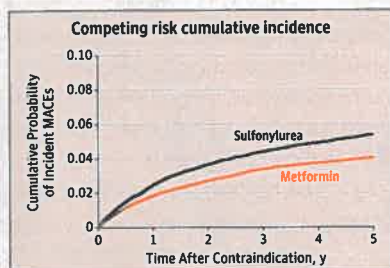
1155

The dipeptidyl peptidase 4 inhibitor linagliptin has not been tested against an active comparator for cardiovascular outcomes in patients with type 2 diabetes. For the CAROLINA Investigators, Rosenstock and colleagues randomized 6042 adults who had type 2 diabetes with elevated cardiovascular risk and found that the use of linagliptin, compared with glimepiride, over a median 6.3 years resulted in a noninferior risk of a composite cardiovascular outcome. In an Editorial, Wexler compares new classes of glucose-lowering medications vs metformin and sulfonylureas.

📖 Editorial 1147 Related Article 1167  
➕ Visual Abstract [jama.com](http://jama.com)

### Metformin for Diabetes With Reduced Kidney Function

1167



The effectiveness of metformin on clinical outcomes for patients with diabetes and reduced kidney function is unknown. Roumie and colleagues conducted a retrospective cohort study of 96 725 new users of metformin or sulfonylureas who had reduced kidney function and found that treatment with metformin was associated with a lower risk of major adverse cardiovascular events.

📖 Editorial 1147 Related Article 1155

### Trends in Diet Quality Among US Adults

1178

Changes in the economy, nutrition policies, and food processing methods can affect dietary macronutrient intake and diet quality. Shan and colleagues analyzed serial cross-sectional surveys with 24-hour dietary recall data and found that from 1999-2016, US adults experienced a significant decrease in percentage of energy intake from low-quality carbohydrates and significant increases in percentage of energy intake from high-quality carbohydrates, plant protein, and polyunsaturated fat. In an Editorial, Van Horn and Cornelis suggest that the food industry should promote consumption of whole grains, fruits, vegetables, and plant-based sources of protein.

📖 Editorial 1150  
➕ CME [jamanetwork.com/learning](http://jamanetwork.com/learning)



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1215 Correction

Editor in Chief  
Howard Bauchner, MD

**136 YEARS**  
OF CONTINUOUS  
PUBLICATION

## Clinical Review & Education

### RECOMMENDATION STATEMENT

#### Screening for Asymptomatic Bacteriuria in Adults **1188**

During pregnancy, physiologic changes affecting the urinary tract increase the risk of asymptomatic bacteriuria and symptomatic urinary tract infections. The US Preventive Services Task Force recommends screening during pregnancy for asymptomatic bacteriuria, but does not recommend screening for nonpregnant adults. In an Editorial, Nicolle suggests that confirming positive urine cultures with a second culture to rule out specimen contamination and transient bacteriuria could help to limit unnecessary antimicrobial use in pregnancy.

◀ Viewpoint **1143** Editorial **1152** Related Article **1195** JAMA Patient Page **1222**

▶ Author Audio Interview [jama.com](http://jama.com) CME [jamanetwork.com/learning](http://jamanetwork.com/learning)

### EVIDENCE REPORT

#### Outcomes of Screening for Asymptomatic Bacteriuria **1195**

The prevalence of asymptomatic bacteriuria (ASB) increases after menopause in women and after age 90 in men. Henderson and colleagues reviewed 19 studies with 8443 participants and found that screening and treatment for ASB during pregnancy was associated with reduced rates of pyelonephritis and low birth weight; there was no benefit of ASB treatment for nonpregnant adults.

◀ Editorial **1152** Related Article **1188** JAMA Patient Page **1222**

▶ Author Audio Interview [jama.com](http://jama.com)

#### Bioidentical Estradiol/Progesterone for Vasomotor Symptoms **1206**

Bioidentical hormones are exogenous hormone products that are chemically similar to endogenous hormones such as estradiol and progesterone. This Medical Letter on Drugs and Therapeutics discusses the use of a fixed-dose bioidentical combination of estradiol and progesterone for the treatment of moderate to severe vasomotor symptoms in women who have an intact uterus.

### Online @ jama.com



#### Editor's Audio Summary

Gregory Curfman, MD, summarizes and comments on this week's issue.

#### Visual Abstract

"Effect of Linagliptin vs Glimepiride on Major Adverse Cardiovascular Outcomes in Patients With Type 2 Diabetes: The CAROLINA Randomized Clinical Trial"

#### Audio

JAMA Medical News Roundup: September 2019



#### Author Audio Interview



Michael Nurok, MBChB, PhD, author of "Relative Value Units and the Measurement of Physician Performance"

#### Author Audio Interview

Melissa A. Simon, MD, MPH, author of "Screening for Asymptomatic Bacteriuria in Adults: US Preventive Services Task Force Recommendation Statement"

#### Online First Articles

Visit [jamanetwork.com/journals/jama/newonline](http://jamanetwork.com/journals/jama/newonline) for just-published opinion pieces, articles, and news

### Screening for Asymptomatic Bacteriuria



#### JAMA Patient Page

**1222** Screening for Asymptomatic Bacteriuria

#### NEWS & ANALYSIS

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