

## Statins and Cardiovascular Health

### Research

#### Sedation for Endovascular Thrombectomy in Ischemic Stroke **1986**

Endovascular thrombectomy is recommended for treatment of severe ischemic stroke caused by large-vessel occlusion in the anterior circulation. Optimal management of sedation and airway during the procedure is controversial. Schönenberger and colleagues assessed the effect of conscious sedation without intubation vs general anesthesia with intubation on early neurological improvement in a randomized open-label clinical trial involving 150 patients undergoing thrombectomy for acute ischemic stroke. The authors found that compared with general anesthesia, use of conscious sedation did not result in greater improvement in neurological status at 24 hours.

### Clinical Review & Education

#### Statin Use for Primary Prevention of CVD **1997**

This US Preventive Services Task Force (USPSTF) recommendation statement addresses the use of statins to treat dyslipidemia in adults aged 40 to 75 years who do not have a history of cardiovascular disease (CVD) and whose low-density lipoprotein cholesterol level is less than 190 mg/dL. Based on an updated evidence review, the USPSTF recommends initiating low- to moderate-dose statin therapy in adults aged 40 to 75 years who have 1 or more CVD risk factors and a calculated 10-year CVD event risk of 10% or greater. Statins may be selectively offered to patients with a 10-year CVD event risk of 7.5% to 10%. The evidence was insufficient to assess the balance of benefits and harms of statins for primary prevention of CVD among adults aged 76 years and older. Three Editorials comment on the USPSTF recommendations for statin use, highlight gaps in the evidence supporting the recommendations, and emphasize the importance of shared decision making when applying the recommendations in clinical practice.

Editorial **1977, 1979, and 1981** Related Article **2008** JAMA Patient Page **2056**

Author Audio Interview and Author Video Interview [jama.com](http://jama.com) CME [jamanetworkcme.com](http://jamanetworkcme.com)

### Opinion

#### Viewpoint

**1967** Cholesterol, Cardiovascular Risk, Statins, PCSK9 Inhibitors, and the Future of LDL-C Lowering  
F Rodriguez and RA Harrington

**1969** What to Believe and Do About Statin-Associated Adverse Effects  
PD Thompson

**1971** Statins for Primary Prevention in Older Adults: Uncertainty and the Need for More Evidence  
JH Gurwitz, AS Go, and SP Fortmann

**1973** Expanding Payment Reform in Medicare: The Cardiology Episode-Based Payment Model  
Z Song and DM Blumenthal

#### A Piece of My Mind

**1975** Hailey  
WB Weeks

#### Editorial

**1977** Interpretation and Use of Another Statin Guideline  
P Greenland and RO Bonow

**1979** Statins for Primary Prevention: The Debate Is Intense, but the Data Are Weak  
RF Redberg and MH Katz

**1981** Evolving Approaches for Statins in Primary Prevention: Progress, but Questions Remain  
AM Navar and ED Peterson

**1984** AABB Red Blood Cell Transfusion Guidelines: Something for Almost Everyone  
MH Yazer and DJ Trulzi

#### HUMANITIES

##### Poetry and Medicine

**2049** Reprieve  
J Skillman

##### JAMA Revisited

**2050** Monomachy With Cholesterol

Editor in Chief  
Howard Bauchner, MD

**133 YEARS**  
OF CONTINUOUS  
PUBLICATION

## Clinical Review & Education (continued)

### Statins for Prevention of CVD: Evidence Report 2008

Chou and colleagues summarize findings from the USPSTF review and analysis of evidence from 19 clinical trials (71 344 participants) that compared statins with placebo or no statin for prevention of CVD in adults at increased CVD risk but without prior CVD events. Statin therapy was associated with reduced risk of all-cause and cardiovascular mortality and CVD events, with greater absolute benefit in patients at higher baseline risk.

📖 Editorial 1977, 1979, and 1981 Related Article 1997 JAMA Patient Page 2056

📺 CME [jamanetworkcme.com](http://jamanetworkcme.com)

### RBC Transfusion Thresholds and Storage Duration 2025

Carson and colleagues report results of an evidence review to inform an update of the AABB red blood cell (RBC) transfusion guidelines. Evidence from 31 clinical trials (12 587 participants) supports the safety of a restrictive transfusion threshold (a hemoglobin level of 7 g/dL) in most clinical settings. Evidence from 13 randomized trials (5515 patients) that examined RBC storage duration and patient outcomes supports use of RBC units at any time within the licensed dating period. An Editorial by Yazer and Triulzi discusses implications of the guideline recommendations for patient care.

📖 Editorial 1984 Related Article 2038

📺 CME [jamanetworkcme.com](http://jamanetworkcme.com)

### Infant Eating Behaviors and Risk for Overweight 2036

An article in *JAMA Pediatrics* reported that an intervention promoting developmentally appropriate, prompt, and responsive parenting was associated with less rapid infant weight gain from birth to age 6 months and fewer overweight infants at age 1 year. This From the JAMA Network article by Lumeng discusses infants' hunger-related eating behaviors, parental response, and managing the risk of childhood obesity.

### Transfusion of RBCs 2038

This JAMA Clinical Guidelines Synopsis article by Alexander and Cifu summarizes the 2015 UK National Institute for Health and Care Excellence guideline on blood transfusion. Based on an evidence review (34 studies; 17 553 total patients), major recommendations in the guideline address RBC transfusion hemoglobin thresholds for patients without major hemorrhage or acute coronary syndrome, patients with acute coronary syndrome, and patients needing regular transfusions for chronic anemia.

📖 Editorial 1984 Related Article 2025

📺 Online @ [jama.com](http://jama.com)



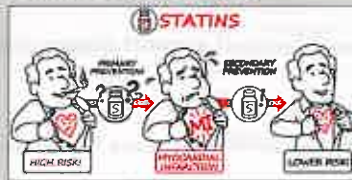
#### Editor's Audio Summary

Eric D. Peterson, MD, MPH, summarizes and comments on this week's issue.

#### Author Interview

**AUDIO and VIDEO** Interview with Douglas K. Owens, MD, MS, author of "Statin Use for the Primary Prevention of Cardiovascular Disease in Adults: US Preventive Services Task Force Recommendation Statement"

#### Animated Video Summary



Statins for Primary Prevention of Cardiovascular Disease in Adults: USPSTF Recommendation Statement available at [jamastatins.com](http://jamastatins.com)

#### Statin Use for the Primary Prevention of Cardiovascular Disease in Adults



#### JAMA Patient Page

2056 Lipid Disorders: Screening and Treatment

#### LETTERS

##### Research Letter

2041 Temporal Changes in the Association Between Modifiable Risk Factors and Coronary Heart Disease Incidence  
AM Navar and Coauthors

2043 Changes in Characteristics and Time to Recognition of Medical Scientists Awarded a Nobel Prize  
RJ Redelmeier and CD Naylor

##### Comment & Response

2044 HIV Transmission During Condomless Sex With a Seropositive Partner With Suppressed Infection  
JD Goldman, LM Frenkel, and JJ Mullins

2045 Therapy for Cellulitis  
V Kak

2047 Correction

#### NEWS & ANALYSIS

##### Medical News & Perspectives

1953 A Precision Medicine Approach to Clinical Trials

1956 Global Health  
Where Will Zika Spread?

UN Leaders Commit to Fight Antimicrobial Resistance

Growing Numbers of Refugees Worldwide Are Children

1957 News From the FDA  
"Artificial Pancreas" Is Approved

Safe Relief for Teething Symptoms

HCV Drug Warning

#### Departments

1949 Staff Listing

2040 CME Questions

2051 Classified Advertising

2053 Journal Advertiser Index

2055 Contact Information