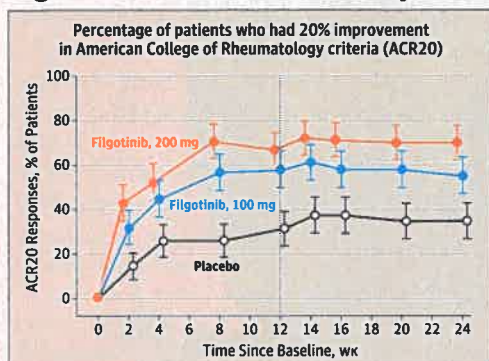


## Research

### Filgotinib for Treatment-Refractory Rheumatoid Arthritis 315



Filgotinib is a targeted synthetic disease-modifying antirheumatic drug (DMARD) that has clinical efficacy for patients with active rheumatoid arthritis. Genovese and colleagues randomized 449 adults with active rheumatoid arthritis who had an inadequate response or intolerance to biologic DMARD therapy and found that a greater proportion of patients treated with filgotinib achieved a clinical response at week 12. In an Editorial, Singh suggests that the efficacy and safety of filgotinib and other DMARDs should be compared in head-to-head trials.

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Visual Abstract [jama.com](http://jama.com) CME [jamanetwork.com/learning](http://jamanetwork.com/learning)

### Intensive Glucose Control and Ischemic Stroke Outcomes 326

Hyperglycemia may augment ischemic brain injury by means of endothelial dysfunction, increased oxidative stress, and impaired fibrinolysis. Johnston and colleagues for the Neurological Emergencies Treatment Trials and the SHINE Trial Investigators randomized 1151 adults with acute ischemic stroke and hyperglycemia and found that treatment with intensive vs standard glucose control for up to 72 hours did not result in a significant difference in favorable functional outcome at 90 days.

### Neuroimaging for Possible Exposure to Directional Phenomena 336

Between late 2016 and May 2018, US government personnel serving in Havana, Cuba, reported exposure to potential directional phenomena and were found to have nonspecific neurological manifestations. Verma and colleagues evaluated 40 exposed individuals and 48 healthy controls with structural and functional magnetic resonance imaging of the brain and found significant differences of uncertain clinical importance.

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136 YEARS  
OF CONTINUOUS  
PUBLICATION

Editor in Chief  
Howard Bauchner, MD

## Clinical Review & Education

### RECOMMENDATION STATEMENT

#### Screening for Hepatitis B Virus Infection in Pregnancy **349**

Complications of perinatally acquired hepatitis B virus (HBV) infection include chronic infection, hepatic cirrhosis, and liver cancer. The US Preventive Services Task Force recommends that all pregnant women should be screened for HBV infection at their first prenatal visit. In an Editorial, Silverman notes that these guidelines also address the issue of parental vaccine hesitancy by recommending that the first dose of newborn HBV vaccine be given promptly after birth.

📖 Editorial **312** Related Article **360** JAMA Patient Page **376**  
🎧 Author Audio Interview [jama.com](http://jama.com) CME [jamanetwork.com/learning](http://jamanetwork.com/learning)

### CLINICAL UPDATE

#### Treatment of Hepatitis C Virus Infection **355**

Therapies that eradicate hepatitis C virus infection can prevent disease progression to cirrhosis, liver decompensation, hepatocellular carcinoma, and death. This JAMA Insights article by Marks and Naggie discusses the clinical management of patients with hepatitis C virus infection.

#### A Man With Oral Lesions and a Nonproductive Cough **357**



This JAMA Clinical Challenge by Moffat and Falcone presents a 28-year-old man with diffuse oral lesions, fever, and nonproductive cough who was found to have an elevated level of *Mycoplasma pneumoniae* IgM. What would you do next?

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**Editor's Audio Summary**  
Howard Bauchner, MD, summarizes and comments on this week's issue.

#### Author Audio Interview

Randall S. Stafford, MD, PhD, author of "A Practical Approach to Low-Dose Aspirin for Primary Prevention"

#### US Preventive Services Task Force

Explore recommendation statements and accompanying evidence reports on various health issues at [jamanetwork.com/collections/44068/united-states-preventive-services-task-force](http://jamanetwork.com/collections/44068/united-states-preventive-services-task-force)

#### Author Audio Interview

Melissa A. Simon, MD, MPH, author of "Screening for Hepatitis B Infection in Pregnant Women: US Preventive Services Task Force Reaffirmation Recommendation Statement"

#### Visual Abstract

"Effect of Filgotinib vs Placebo on Clinical Response in Patients With Moderate to Severe Rheumatoid Arthritis Refractory to Disease-Modifying Antirheumatic Drug Therapy: The FINCH 2 Randomized Clinical Trial"

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