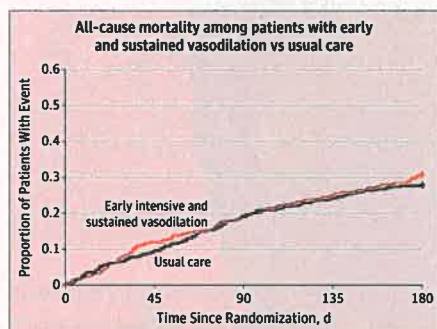


## Research

### Vasodilation for Acute Heart Failure

2292



It is unclear whether early, aggressive vasodilation is beneficial for most patients with acute heart failure (AHF). Kozhuharov and colleagues for the GALACTIC Investigators randomized 788 patients with AHF and found that a strategy of early intensive and sustained vasodilation, compared with usual care, did not significantly improve a composite outcome of all-cause mortality and AHF rehospitalization at 180 days. In an Editorial, Curfman discusses the clinical management of acute decompensated heart failure with and without systemic hypertension.

Editorial, Curfman discusses the clinical management of acute decompensated heart failure with and without systemic hypertension.

Editorial 2288

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

### Rapid Sequence Induction for Emergency Tracheal Intubation

2303

Neuromuscular blocking agents improve overall intubating conditions and first-attempt success rates in patients requiring emergency endotracheal intubation. A trial by Guihard and colleagues randomized 1248 patients undergoing endotracheal intubation and failed to demonstrate noninferiority for the success rate of rocuronium, compared with succinylcholine, for first intubation in patients receiving emergency intubation.

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

### Transcarotid Artery Revascularization

2313

The technique of transcarotid artery revascularization with flow reversal was developed to decrease the risk of stroke associated with transfemoral carotid artery stenting. Schermerhorn and colleagues analyzed data for 11 891 patients undergoing treatment for carotid stenosis and found that transcarotid artery revascularization, compared with transfemoral carotid artery stenting, was significantly associated with a lower risk of in-hospital stroke or death.

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

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MD Huffman, A Salam, and A Patel

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MJ Joyner and N Paneth

2283 Machine Learning, Predictive Analytics, and Clinical Practice: Can the Past Inform the Present?  
ED Peterson

2285 Lifecycle Regulation of Artificial Intelligence- and Machine Learning-Based Software Devices in Medicine  
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LD Foley

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2353 I Remember It Well

Editor in Chief  
Howard Bauchner, MD

136 YEARS  
OF CONTINUOUS  
PUBLICATION

## Clinical Review & Education

### Does This Patient Have Hip Osteoarthritis?

2323



Patients with osteoarthritis of the hip may benefit from weight loss, physiotherapy, intra-articular injections, or total hip replacement. This article in the JAMA Rational Clinical Examination series by Metcalfe and colleagues reviews the clinical diagnosis of hip osteoarthritis.

### Coronary Microvascular Dysfunction

2334

Many women with persistent symptoms and signs of ischemia have no evidence of obstructive coronary artery disease on angiography. This JAMA Insights article by Wei and colleagues discusses the diagnosis and treatment of coronary microvascular dysfunction.

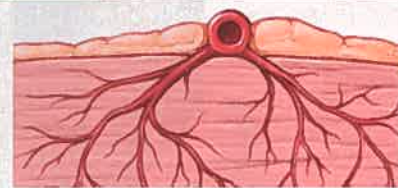
📖 JAMA Patient Page 2358

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

### Point-of-Care Urine Pregnancy Tests

2336

This JAMA Diagnostic Test Interpretation article by Latifi and colleagues presents a 40-year-old woman with abdominal pain, constipation, and amenorrhea whose point-of-care urine human chorionic gonadotropin test result was negative for pregnancy. What would you do next?



#### JAMA Patient Page

2358 Testing for Coronary Microvascular Dysfunction

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#### Editor's Audio Summary

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

#### Author Audio Interview



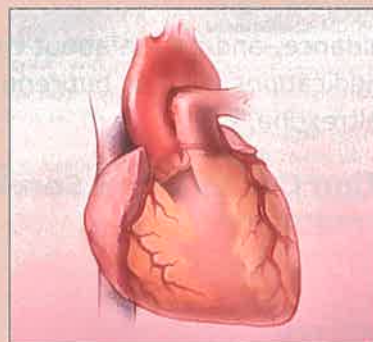
Mark D. Huffman, MD, MPH, author of "Implementation Strategies for Cardiovascular Polypills"

#### Visual Abstract

"Effect of Rocuronium vs Succinylcholine on Endotracheal Intubation Success Rate Among Patients Undergoing Out-of-Hospital Rapid Sequence Intubation: A Randomized Clinical Trial" and "Effect of a Strategy of Comprehensive Vasodilation vs Usual Care on Mortality and Heart Failure Rehospitalization Among Patients With Acute Heart Failure: The GALACTIC Randomized Clinical Trial"

#### Audio Interview

The Underappreciated Problem of Cardiac Disease in Women



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