

Research

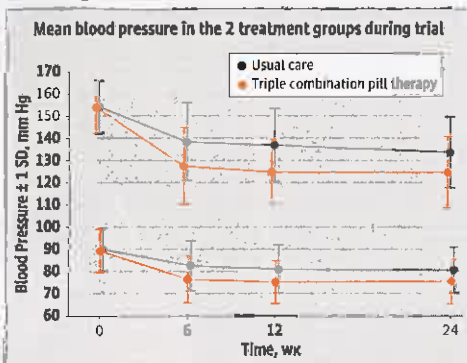
Screening in Pregnancy for Chromosomal Abnormalities **557**

Complete fetal karyotyping requires an invasive procedure that may increase the risk of miscarriage, but fetal aneuploidy can be identified by analysis of cell-free DNA in maternal plasma. Malan and colleagues randomized 2051 women with pregnancies at high risk of trisomy 21 and found that initial screening of cell-free DNA, followed by karyotyping if the screening test was positive, did not result in fewer miscarriages than karyotyping without a preliminary cell-free DNA test.

Related Article **591**

CME jamanetwork.com/learning

Efficacy of a Low-Dose Combination Antihypertensive **566**



The rationale for combining antihypertensive drugs into a single pill is to improve efficacy, minimize adverse events, and improve adherence to therapy. Webster and colleagues randomized 700 adults with hypertension and found that treatment with a pill containing low doses of 3 antihypertensive drugs increased the proportion of patients achieving their target blood pressure goals vs usual care. In an Editorial, Huffman

and colleagues suggest that fixed-dose combination therapy is likely to be most efficient in settings with shortages of health care workers and limited access to medications.

Editorial **552**

Animated Summary Video jama.com and CME jamanetwork.com/learning

Traumatic Brain Injury and Suicide **580**

Traumatic brain injury may result in physical, cognitive, and emotional symptoms associated with an increased risk of self-harm. Madsen and colleagues conducted a retrospective cohort study involving 7 418 391 Danish residents and found that individuals who had sought medical care for traumatic brain injury had an increased risk of suicide. In an Editorial, Goldstein and Diaz-Arrastia suggest that suicide risk may be associated with injury to specific regions of the brain.

Editorial **555**



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Editor in Chief
Howard Bauchner, MD

135 YEARS
OF CONTINUOUS
PUBLICATION

Clinical Review & Education

Teaching Bystanders to Apply Tourniquets **589**

A recent article in *JAMA Surgery* found that in-person training can enable bystanders to control hemorrhage using a tourniquet. In this From The JAMA Network article, Fisher and colleagues discuss the wider dissemination of this rapid response technique.

▶ Author Audio Interview jama.com

CLINICAL UPDATE

Prenatal Genetic Screening With Cell-Free DNA **591**



The cell-free DNA test analyzes small fragments of fetal DNA in maternal plasma. This JAMA Insights article by Allyse and Wick discusses the strengths and limitations of cell-free DNA screening for genetic abnormalities.

▶ Related Article **557**

Antiplatelet Therapy to Prevent Cardiovascular Events **593**

Aspirin is recommended for patients at high risk of cardiovascular disease. In this Clinical Evidence Synopsis summarizing a Cochrane review of 15 randomized clinical trials, Donadini and colleagues discuss the benefits and risks of adding clopidogrel to aspirin for antiplatelet prophylaxis.



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Editor's Audio Summary

Michael Berkwits, MD, summarizes and comments on this week's issue.

Animated Video Summary



Fixed-Dose Combination Pill for Hypertension Treatment in Sri Lanka

Author Interview



AUDIO Andrew Fisher, MD, author of "Stop the Bleeding: Educating the Public," and Grace Chong, MD, University of Chicago Department of Pediatrics

Visual Abstract

"Cell-Free DNA Screening and Miscarriage in Women With Pregnancies at High Risk of Trisomy 21" and "Fixed Low-Dose Triple Combination Antihypertensive Medication vs Usual Care"

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