

Research

Levothyroxine for Infertile Women With Thyroid Autoimmunity 2190

Pregnant women with thyroid autoantibodies are at increased risk of spontaneous miscarriage. In a randomized trial of 600 infertile women with positive antithyroperoxidase antibodies who had in vitro fertilization and embryo transfer, Wang and colleagues found that levothyroxine treatment failed to decrease miscarriages or increase live births.

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Deep Learning Algorithms for Detecting Lymph Node Metastases 2199

The histopathological analysis of sentinel lymph nodes can be tedious, time-consuming, and unreliable. Ehteshami Bejnordi and colleagues conducted a diagnostic test performance study of 32 automated algorithms and found that some algorithms achieved better diagnostic performance than a panel of 11 pathologists participating in a simulation exercise designed to mimic routine pathology workflow. In an Editorial, Golden discusses the challenges and potential benefits of integrating automated digital pathology into clinical practice.

📖 Editorial 2184 Related Articles 2211 and 2250

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A Deep Learning System for Detecting Diabetic Retinopathy 2211

Ideally, screening programs for diabetic retinopathy should be capable of identifying other vision-threatening eye diseases such as glaucoma and age-related macular degeneration. In a diagnostic test performance study of 494 661 retinal images from multiethnic cohorts of patients with diabetes, Ting and colleagues found that a deep learning technology accurately identified diabetic retinopathy and related eye diseases.

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Opinion

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B Gaster, EB Larson, and JR Curtis

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Editor in Chief
Howard Bauchner, MD

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RECOMMENDATION STATEMENT

Hormone Therapy for Primary Prevention

2224

The risk of chronic conditions attributable to menopause is uncertain. Based on a review of the available evidence, the US Preventive Services Task Force recommends against the use of estrogen and progestin for the primary prevention of chronic conditions in most postmenopausal women. However, in an Editorial, Lewis and Wellons note that hormone therapy may be an appropriate treatment for vasomotor symptoms associated with menopause.

📖 Editorial 2187 Related Article 2234 JAMA Patient Page 2265
🎧 Author Audio Interview jama.com CME jamanetwork.com/learning

EVIDENCE REPORT

Long-term Outcomes of Hormone Therapy

2234

To inform US Preventive Services Task Force deliberations on hormone therapy for the primary prevention of chronic conditions in postmenopausal women, Gartlehner and colleagues reviewed the findings of 18 trials and found that hormone therapy has some benefits but also has a substantial risk of harms.

📖 Editorial 2187 Related Article 2224 JAMA Patient Page 2265

Assessing the Accuracy of Automated Diagnostic Tests

2250

Free-response receiver operating characteristic curves can be used to express the accuracy of automated algorithms for identifying and localizing abnormalities in radiographs or on histological slides. In this JAMA Guide to Statistics and Methods, Moskowitz discusses the interpretation and generalizability of these summary measures.

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Hormone Therapy for the Primary Prevention of Chronic Conditions in Postmenopausal Women



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2265 Hormone Therapy for the Primary Prevention of Chronic Conditions in Postmenopausal Women

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Editor's Audio Summary

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

Documentary Video



VIDEO *Mentored by a Madman—The William Burroughs Experiment*

Author Interview

VIDEO Jeffrey A. Golden, MD, author of "Deep Learning Algorithms for Detection of Lymph Node Metastases From Breast Cancer: Helping Artificial Intelligence Be Seen"



AUDIO Maureen G. Phipps, MD, MPH, author of "Hormone Therapy for the Primary Prevention of Chronic Conditions in Postmenopausal Women: US Preventive Services Task Force Recommendation Statement"

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