

Robert A. Gross, MD, PhD, FAAN, Editor-in-Chief, *Neurology*[®]



Notable in *Neurology* this week

This issue features an article that discusses temporal trends in multiple sclerosis incidence and mortality rates, and another that correlates cerebral blood flow and white matter hyperintensity volume in patients with Fabry disease. A featured Resident & Fellow Teaching NeuroImage describes diffusion-weighted imaging and EEG findings in Creutzfeldt-Jakob disease.

Articles

The most affected health domains after ischemic stroke

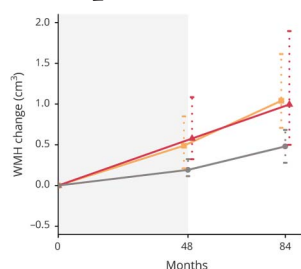
This observational cohort study examined multidimensional health status in ischemic stroke patients. Participants reported physical function, satisfaction with social roles, and executive function as the domains with the most decline poststroke. It is important for clinicians to consider the well-being of stroke survivors beyond standard measures of disability.

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From editorialists George and Zhao: "Overall, the findings of the consequences of stroke on social participation and cognitive functioning bring attention to the need to routinely monitor and address outcomes that matter to patients as part of overall rehabilitation."

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Brain structure and cognition 3 years after the end of an early menopausal hormone therapy trial



In this study, hormone therapy during early menopause modified brain structure in a cohort of healthy women. Relative preservation of dorsolateral prefrontal cortical volume in the 17β-estradiol group compared to placebo over 7 years, and its association with lower β-amyloid deposition, indicate that menopausal hormone therapy may have long-term effects on the brain.

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Body mass index, sitting time, and risk of Parkinson disease

Body mass index and prolonged time spent sitting each day were not associated with risk of Parkinson disease in this large cohort study. Future studies on other environmental and lifestyle factors are needed to disentangle the complex causation of Parkinson disease.

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MORE ONLINE

🎧 Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Continued

Increased cerebral functional connectivity in ALS: A resting-state magnetoencephalography study

Amyotrophic lateral sclerosis involves a multisystem cerebral as well as spinal pathology. Biomarkers are needed to advance therapy development. Using the sensitivity of magnetoencephalography, this study analyzed resting-state, regional cortical coherence. Widespread increases in functional connectivity were observed in patients, with a similar finding in a group of asymptomatic genetic mutation carriers.

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NB: "Teaching NeuroImages: Facial ulceration in stroke: An unusual and lesser-known complication described by Wallenberg," p. e1448. To check out other Resident & Fellow publications, point your browser to Neurology.org/N. At the end of the issue, check out the Video NeuroImage illustrating head titubation in anti-mGluR1 autoantibody-associated cerebellitis. This week also includes a Reflections: Neurology and the Humanities poem titled "Break-in."

NEW EPISODE



April 17, 2018

CME Opportunity:

Listen to this week's *Neurology*® Podcast and earn 0.5 AMA PRA Category 1 CME Credits™ by answering the multiple-choice questions in the online Podcast quiz.

Clinical Reasoning: A young woman with symmetric weakness and behavioral disturbance (see p. e1442)

1. Featured Article: Clinical Reasoning: A young woman with symmetric weakness and behavioral disturbance
2. What's Trending: DEFUSE 3 trial results on thrombectomy vs standard therapy alone for ischemic stroke

This podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the April 17, 2018, issue of *Neurology*. In the first segment, Dr. Dan Ackerman talks with Dr. Jon Rosenberg about the differential diagnosis of a young patient with symmetric weakness, behavioral changes, and bilateral infarcts. For the "What's Trending" segment, Dr. Nicole Chiota speaks with Dr. Gregory Albers about findings from the DEFUSE 3 clinical trial.

Disclosures can be found at Neurology.org/podcast.

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Spotlight on the April 17 issue

Robert A. Gross

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