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

Notable in *Neurology* this week

This issue features an article that describes a novel case of *PTEN*-associated multifocal demyelinating motor neuropathy; another explains that physical activity in older adults is related to macroinfarcts, nigral neuronal loss, and white matter pathologies. A featured Views & Reviews discusses the evidence supporting authorization of drugs for multiple sclerosis and assesses whether postmarketing research addresses prior information gaps.

Articles

Involvement of the central somatosensory system in restless legs syndrome: A neuroimaging study

The authors verify pathologic changes beyond the central dopaminergic system in patients with restless legs syndrome (RLS). Somatosensory cortex (postcentral gyrus) thickness and corpus callosum posterior midbody, wherein callosal fibers connect to postcentral gyrus, were decreased in patients with RLS. Understanding sensory abnormalities in RLS is essential for patient treatment.

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From editorialists Mano & Thomas: "While neuroimaging biomarkers are not necessary for diagnosis of RLS, improved pathophysiologic understanding may lead to improved treatments, especially important as long-term dopaminergic therapies fall out of favor for risk of augmentation."

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Neutrophil counts, neutrophil ratio, and new stroke in minor ischemic stroke or TIA

Evidence is lacking on the association of neutrophil counts/ratio with new stroke. The authors assessed this association in patients with minor stroke or TIA, and high levels of neutrophil counts/ratio correlated with an increased risk of new stroke, composite events, and ischemic stroke in patients with minor ischemic stroke or TIA.

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Identification of a specific functional network altered in poststroke cognitive impairment

Up to 50% of patients are affected by poststroke cognitive impairment (PSCI), which may lead to dementia. The authors studied whole-brain connectivity in patients after ischemic stroke to assess potential cortical atrophy. The appearance of cognitive impairment following stroke may be associated with a functional alteration shared between cognitive domains.

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MORE ONLINE

🎧 Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Continued

Amyloid deposition and brain structure as long-term predictors of MCI, dementia, and mortality

The authors tested whether amyloid- β deposition, neurodegeneration, and small vessel disease are incident dementia risk factors. The pattern of abnormal biomarkers had marked heterogeneity, but the presence of more than one biomarker was a stronger long-term predictor of incident dementia. Amyloid deposition and white matter lesions were stronger predictors than hippocampal volume.

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NB: "Stress when performing the first lumbar puncture may compromise patient safety," p. 981. To check out other Resident & Fellow Opinion and Special Articles, point your browser to Neurology.org/N and click on the link to the Resident & Fellow Section. At the end of the issue, check out the NeuroImage illustrating a rare case of nondecussating retinal-fugal fiber syndrome, or achiasmatic syndrome. This week also includes a Clinical/Scientific Note titled, "Transient swelling in the globus pallidus and substantia nigra in childhood suggests SENDA/BPAN."

NEW EPISODE

May 22, 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.

ABBY: A phase 2 randomized trial of cren- ezumab in mild to moderate Alzheimer disease (see p. 955)

1. Featured Article: ABBY: A phase 2 randomized trial of cren-
ezumab in mild to moderate Alzheimer disease
2. What's Trending: Epilepsy Birth Control Registry

This podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the May 22, 2018, issue of *Neurology*. In the first segment, Dr. Jeff Burns talks with Dr. Jeffrey Cummings about results from the ABBY clinical trial on cren-
ezumab as a potential treatment for mild to moderate Alzheimer disease. For the "What's Trending" segment, Dr. Katherine Zarroli interviews Dr. Andrew Herzog about women's health in epilepsy.

Disclosures can be found at Neurology.org/podcast.

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Spotlight on the May 22 issue

Robert A. Gross

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