

Robert A. Gross, MD, PhD, FAAN, Editor-in-Chief, *Neurology*<sup>®</sup>



## Notable in *Neurology* this week

This issue features an article that reports the utility of neurofilament light over tau as a blood-based biomarker for acute sports-related concussion and care decisions thereafter; another describes the effects of adherence to a Mediterranean-style diet on midlife Alzheimer disease biomarker changes. A featured article describes patient characteristics and details risk estimates for fingolimod-associated progressive multifocal leukoencephalopathy.

## Articles

### Time course of blood pressure control prior to lacunar TIA and stroke: Population-based study

Previous evidence conflicts over the role of blood pressure (BP) in the etiology of lacunar TIA and stroke. The authors reviewed the premorbid BP records of patients with lacunar and nonlacunar events to determine age-specific temporal trends. BP may play a direct role in accelerating causal pathology.

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*From editorialists Arima & Anderson: "In the setting of clinical practice where BP levels are checked periodically, these data indicate that greater attention should be given to systolic BP variability, and for lower thresholds to be adopted for instituting BP-lowering treatments in younger adults who fail to respond to lifestyle modification."*

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### Cortical and subcortical gray matter bases of cognitive deficits in REM sleep behavior disorder

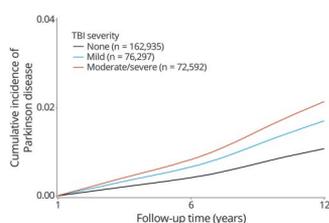
Through analyses of the cortical and subcortical regions in patients with REM sleep behavior disorder, the authors determined that patients with cognitive impairment have more extensive gray matter abnormalities than patients without cognitive impairment. The consideration of cognitive status may assist in understanding the neurodegenerative process in REM sleep behavior disorder.

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*From editorialists Arnaldi & Nobili: "These findings suggest that the presence of MCI in patients with idiopathic RBD identifies a more severe neuroimaging and neurophysiologic phenotype."*

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### Mild TBI and risk of Parkinson disease: A Chronic Effects of Neurotrauma Consortium Study



The authors assessed the risk of Parkinson disease (PD) after traumatic brain injury (TBI) in a retrospective cohort study of veterans. Mild TBI was associated with increased risk for PD. This study highlights the need to identify mechanisms and modifiable risk factors for post-TBI PD.

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## MORE ONLINE

### 🎧 Editor's Summary

Audio summary of highlighted articles.

[NPub.org/edsum](http://NPub.org/edsum)

*Continued*

## Subcutaneous ofatumumab in patients with relapsing-remitting multiple sclerosis: The MIRROR study

Targeting B cells with anti-CD20 monoclonal antibodies is effective at limiting disease activity in relapsing multiple sclerosis, but can efficacy be obtained without complete peripheral B-cell depletion? In a multiple-dosing trial of ofatumumab, the authors identified high efficacy with incomplete depletion of circulating B cells. Success with anti-CD20 may not require complete peripheral B-cell depletion.

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NB: "Functional movement disorders arising after successful deep brain stimulation," p. 931. To check out other Clinical/Scientific Notes, point your browser to [Neurology.org/N](http://Neurology.org/N). At the end of the issue, check out the NeuroImage illustrating a case of lymphoplasmacyte-rich meningioma. This week also includes a Resident & Fellow Section Teaching Video NeuroImages titled "Figure 8 head-shaking stereotypy in rhombencephalosynapsis."

### NEW EPISODE



May 15, 2018

## Ask a neurologist: What primary care providers ask, and reducing referrals through eConsults (see the June 2018 issue of *Neurology® Clinical Practice*)

1. Featured Article: Ask a neurologist: What primary care providers ask, and reducing referrals through eConsults
2. What's Trending: Update on arboviruses

This podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the May 15, 2018, issue of *Neurology*. In the first segment, Dr. Heather Harle interviews Drs. Ana Bradi and Erin Keely about their paper on implementing an eConsult service between primary care providers and neurologists at the Ottawa Hospital. For the "What's Trending" segment, Dr. Amanda Piquet and Dr. Daniel Pastula discuss what every neurologist should know about mosquito- and tick-borne disease.

Disclosures can be found at [Neurology.org/podcast](http://Neurology.org/podcast).

**No CME this week:** Interviews based on articles from *Neurology: Clinical Practice*, *Neurology® Genetics*, and *Neurology® Neuroimmunology & Neuroinflammation* are excluded from the CME program.

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## Spotlight on the May 15 issue

Robert A. Gross

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