

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

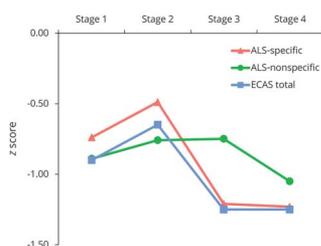


## Notable in *Neurology* this week

This issue features an article that considers possible blood-based biomarkers for mild traumatic brain injury; another explores the association between enzyme replacement therapy and white matter hyperintensities' rate of progression in Fabry disease. A featured Special Article identifies quality measures for improving patient outcomes in neuro-otology.

## Articles

### ALS-specific cognitive and behavior changes associated with advancing disease stage in ALS



Cognitive and behavioral impairment in amyotrophic lateral sclerosis was related to clinical disease stage in this large cross-sectional study. At late-stage disease, 80% of patients experienced neuropsychological impairment. Repeated monitoring of cognitive and behavioral functioning is suggested over the disease course due to the potential value to planning clinical care.

Page 686

From editorialists Wicks & Albert: "Only by facing up to the hard truth that one of the most dreaded conditions in medicine is even worse than we previously acknowledged can we take stock, marshal our resources, and make renewed plans to defeat our common enemy."

Page 679

### An MRI measure of degenerative and cerebrovascular pathology in Alzheimer disease

In this study, the authors quantitatively measured established MRI indices addressing the co-occurrence of cerebrovascular disease and neurodegeneration in Alzheimer disease (AD). Lower MRI scores predicted transition from health to pathology, correlating with relevant neuropathology and biomarkers. The combination of cerebrovascular disease and neurodegeneration represents the continuum of pathology in AD.

Page 690, Editorial 682

### Antiepileptic drug treatment after an unprovoked first seizure: A decision analysis

Antiepileptic drug (AED) therapy following a first seizure is a longstanding dilemma. The authors' decision analysis suggests immediate is often favored over deferred AED treatment, even in the absence of EEG or MRI abnormalities. Current guidelines recommending immediate AED treatment only when seizure recurrence probability is >60% may be too conservative.

Page 693

## MORE ONLINE

### 🎧 Editor's Summary

Audio summary of highlighted articles.

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

Continued

From editorialists Jacobs & Lee: "This study should, however subtly, shift the starting point of discussion with the patient towards a default of immediate, rather than deferred, treatment after a first unprovoked seizure and apparent absence of disease."

Page 684

## A dozen years of evolution of neurology clerkships in the United States: Looking up

Neurology clerkships ensure that graduating medical students can properly evaluate neurologic symptoms. In this article, the authors report on a national survey of neurology clerkship directors. Compared to prior surveys, neurology clerkships occur earlier in the curriculum and clerkship directors are better rewarded for their efforts.

Page 694

NB: "CNS disease-related protein variants as blood-based biomarkers in traumatic brain injury," p. 702. To check out other Medical Hypotheses, point your browser to [Neurology.org/N](http://Neurology.org/N). At the end of the issue, check out the Resident & Fellow Section Teaching NeuroImages illustrating morning glory disc anomaly and Bannwarth syndrome presentation of Lyme disease. This week also includes a Clinical/Scientific Note titled "Chorea, psychosis, acanthocytosis, and prolonged survival associated with ELAC2 mutations."

### NEW EPISODE



October 9, 2018

## Presentation and management of community-onset vs hospital-onset first seizures (see October 2018 issue of *Neurology® Clinical Practice*)

1. Featured Article: *Neurology: Clinical Practice*: Presentation and management of community-onset vs hospital-onset first seizures
2. What's Trending: Acute viral encephalitis

In the first segment, Dr. Katherine Zarroli talks with Dr. Emma Foster about her paper comparing the presentation and management of patients with community- and hospital-onset first seizures attending the same hospital. In the second part of the podcast, Dr. Stacey Clardy and Dr. Kenneth Tyler review the diagnosis and treatment of acute viral encephalitis.

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

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

# Neurology<sup>®</sup>

**Spotlight on the October 9 issue**

Robert A. Gross

*Neurology* 2018;91;677-678

DOI 10.1212/WNL.0000000000006306

**This information is current as of October 8, 2018**

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