

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

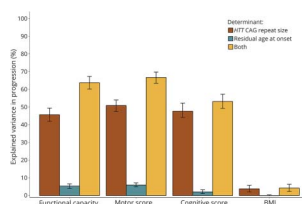


## Notable in *Neurology* this week

This issue features an article that outlines the relationship among cortical radiologic changes, the number of early relapses, and the long-term course of multiple sclerosis; another demonstrates prediction of white matter hyperintensity growth through cerebral blood flow and diffusion tensor imaging measures. A featured article discusses a disorder characterized by recurrent spontaneous vertigo of unknown etiology and interictal head-shaking nystagmus.

## Articles

### Overlap between age-at-onset and disease-progression determinants in Huntington disease



The extent of overlap between determinants of age at onset and disease progression in Huntington disease is largely unknown. In this study, age-at-onset determinants accounted for a large portion of variability in the rate of functional, motor, and cognitive progression; however, weight loss was largely independent of these determinants, so likely has a different pathologic basis.

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From editorialists Morrison & Delatycki: "The findings, if confirmed, are hopeful for both clinician and patient in that they indicate that any intervention that can alter the consequences of the HTT triplet repeat expansion, such as gene silencing or other gene editing mechanisms, may help ameliorate the timing of onset and progression of this terrible disorder."

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### Eteplirsen treatment for Duchenne muscular dystrophy: Exon skipping and dystrophin production

The authors describe dystrophin production in patients with Duchenne muscular dystrophy (DMD) treated long-term with eteplirsen. This compound, the first approved intervention in the United States for DMD patient-specific mutations, produced novel dystrophin, as demonstrated by validated Western blot assay, quantitative immunofluorescence staining, and pathologist scoring of dystrophin-positive muscle fibers.

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From editorialists Zingariello & Kang: "Regardless of current and future controversies, the outlook for the treatment of DMD and other devastating inherited neuromuscular diseases is immensely brighter than it was just a few years ago, and for that we should all celebrate."

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### Use of medical care biases associations between Parkinson disease and other medical conditions

Many reported associations between Parkinson disease and other medical conditions may be biased. In this article, the authors demonstrate that the association between Parkinson disease and medical conditions may be substantially inflated by confounders. Two medical

*Continued*

## MORE ONLINE

### 🎧 Editor's Summary

Audio summary of highlighted articles.

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

conditions appear associated simply because people who obtain more medical care have more opportunity to be diagnosed.

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## Better diet quality relates to larger brain tissue volumes: The Rotterdam study

While diet is considered a modifiable risk factor for dementia, the pathways of the association have been elusive. In this population-based study, better diet quality related to larger brain volumes, suggesting an effect via brain structure. Overall diet quality for brain health should be the focus rather than single food components.

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NB: "Posterior territory stroke with parahippocampal involvement: A neglected cause of neglect," p. e2181. To check out other Resident & Fellow Teaching Video NeuroImages, point your browser to [Neurology.org/N](http://Neurology.org/N) and click on the link to the Resident & Fellow Section. At the end of the issue, check out the Resident & Fellow Education Research article on the variation of priorities in neurocritical care education. This week also includes a Clinical/Scientific Note titled "IgLONS-mediated neurodegeneration is a differential diagnosis of CNS Whipple disease."

### NEW EPISODE



June 12, 2018

## Reflections on translation: Views of participants in a multisite Canadian CCSVI clinical trial (see the June 2018 issue of *Neurology® Clinical Practice*)

1. Featured Article: Reflections on translation: Views of participants in a multisite Canadian CCSVI clinical trial
2. Lesson of the Week: Functional disorders

This podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the June 12, 2018, issue of *Neurology*. In the first segment, Dr. Stacey Clardy talks with Dr. Shelly Benjaminy about her paper on patients' perspectives from the chronic cerebrospinal venous insufficiency clinical trial in Canada. In the second segment, Dr. David Lapidus continues his discussion with Dr. Jon Stone about how to approach functional disorders.

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 June 12 issue

Robert A. Gross

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