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

Notable in *Neurology* this week

This issue features an article that describes the composition and ultrastructural organization of acute ischemic stroke thrombi causing large vessel occlusions; another demonstrates that that autosomal dominantly inherited mutations, modulated by age at symptom onset, are associated with shorter survival among patients with behavioral variant frontotemporal degeneration. A featured Views & Reviews article analyzes the benefits and biases of different study strategies in multiple sclerosis.

Articles

Divergent poststroke outcomes for black patients: Lower mortality, but greater disability

Black patients have more disability after stroke than white patients, but the reasons for this difference are unknown. The investigators found that black patients have lower short-term mortality than white patients, but more disability. The pattern of reduced mortality coupled with increased disability suggests that racial differences in care preferences may play a role.

Page 778

From editorialists Faigle & Cooper: "The article by Burke et al. highlights the need for de novo study design and data collection and should serve as a call to action to specifically address these commonly unmeasured concepts."

Page 773

Acute vestibular migraine treatment with noninvasive vagus nerve stimulation

Despite affecting 1.0%–2.5% of adults, there are currently no approved treatments for vestibular migraine (VM). This study describes how noninvasive vagus nerve stimulation (NVNS) is an effective and well-tolerated rescue therapy for relieving vertigo and headache in VM attacks. Clinicians should consider using NVNS as a rescue treatment for patients with VM.

Page 783

Self-management program improves participation in patients with neuromuscular disease: A randomized controlled trial

Many patients with neuromuscular disease have chronic fatigue and need support to manage their life balance and improve social participation. In this study, aerobic training combined with energy conservation management resulted in sustainable improvements in social participation. A patient-oriented, rather than disease-oriented, approach can help manage fatigue in different neuromuscular disorders.

Page 784; Patient Page, page e1745

MORE ONLINE

Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Continued

Autologous nonmyeloablative hematopoietic stem cell transplantation for neuromyelitis optica

There is no known cure for neuromyelitis optica spectrum disorder. One-time autologous hematopoietic stem cell transplantation performed with a regimen of rituximab, cyclophosphamide, and antithymocyte globulin in patients with a mean Expanded Disability Status Scale score of 4.0 resulted in neurologic improvement and long-term (5 years) treatment-free remission in the majority of patients.

Page 785

From editorialists Muraro & Cohen: "The results of this pilot study are extremely encouraging and reopen the discussion of autologous hematopoietic stem cell transplantation as a salvage treatment option for neuromyelitis optica spectrum disorder."

Page 776

NB: "Mystery Case: Cowden syndrome presenting with paraneoplastic encephalitis," p. 813. To check out other Resident & Fellow Mystery Case 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 Resident & Fellow Teaching NeuroImages illustrating cases of metachromatic leukodystrophy with multiple bilateral cranial nerve enhancement and spinal cord herniation after cervical corpectomy. This week also includes a Historical Neurology article titled "Early clinicopathologic description of nodoparanodopathy in the 19th century."

NEW EPISODE

October 29, 2019

CME Opportunity:

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Autologous nonmyeloablative hematopoietic stem cell transplantation for neuromyelitis optica (see p. 785)

1. Autologous nonmyeloablative hematopoietic stem cell transplantation for neuromyelitis optica
2. What's Trending: Dr. Lawrence Weschler discusses Dr. Oliver Sacks: Part 1

In the first segment, Dr. Stacey Clardy talks with Dr. Richard Burt about his paper on autologous nonmyeloablative hematopoietic stem cell transplantation for neuromyelitis optica. In the second part of the podcast, Dr. Stacey Clardy speaks with Dr. Lawrence Weschler about his book on Dr. Oliver Sacks, *And How Are You, Dr. Sacks?*, in the first of a two-part interview.

Disclosures can be found at Neurology.org.

Neurology®

Spotlight on the October 29 issue

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Neurology 2019;93;771-772

DOI 10.1212/WNL.0000000000008383

This information is current as of October 28, 2019

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