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

Notable in *Neurology* this week

This issue features an article that determines whether the maximum hemodynamic response to scalp-recorded interictal epileptic discharges (IEDs) corresponds to the region where IEDs originate and propagate and another that investigates the hypothesis that carrying a large effect mutation might account for fewer remaining pathophysiologic steps before the onset of amyotrophic lateral sclerosis. A featured Views & Reviews examines 4 multimodal neuroimaging indices of cerebrovascular disease, which may be more informative compared to traditional single MRI markers that correlate poorly with cognition and other important phenotypes.

Articles

Hypoglossal nerve stimulation on sleep and level of alertness in OSA: A preliminary study

An implantable device for hypoglossal nerve stimulation (HNS) is a new treatment that showed a positive effect on apnea/hypopnea reduction in patients with obstructive sleep apnea (OSA), though its effects on nocturnal sleep architecture and objective daytime sleepiness have been understudied in OSA patients. This article explores the link between neural stimulation level, nocturnal sleep architecture, and objective sleepiness as measured by the Maintenance of Wakefulness Test after HNS treatment.

nance of Wakefulness Test after HNS treatment.

Page 296

Differential effects of completed and incomplete pregnancies on the risk of Alzheimer disease

A history of pregnancy should be taken as an important risk factor for Alzheimer disease (AD) in women. Grand multiparity was associated with higher, and incomplete pregnancy with lower, risk of AD in 2 independent population-based prospective cohort studies. Hormone-based preventive strategies for AD might be developed based on the hormonal changes in the first trimester of pregnancy.

Page 300

The efficacy of nonpharmacologic intervention for orthostatic hypotension associated with aging

Aging is a common, but underresearched, cause of neurogenic orthostatic hypotension. In this phase 2 study of older people with orthostatic hypotension, bolus water drinking was the most efficacious intervention and should become first-line therapy. Lower limb compression was the least efficacious and should be disregarded in this population.

Page 301

MORE ONLINE

🎧 Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Continued

Reduced occipital GABA in Parkinson disease with visual hallucinations

Complex visual hallucinations are common and often troubling symptoms in Parkinson disease, but their etiology is poorly understood. Firbank et al. demonstrate structural changes in the ventral visual stream and, importantly, a reduction in occipital GABA in 19 patients with Parkinson disease with hallucinations compared to those without. If supported, this novel finding opens up a new avenue of investigation into the role of inhibitory neurotransmitters in visual hallucination occurrence, and the development of alternative therapies.

Page 304

From editorialists Onofrij & Gilbert: "The Firbank et al. study properly targeted the clinically relevant hallucinations...and reminds us that categorization of hallucinations is a prerequisite for study designs, auguring a definite consensus on the topic."

Page 293

NB: "Severe hyperhomocysteinemia manifesting as moyamoya vasculopathy and Henoch-Schonlein purpura," p. 321. To check out other Clinical/Scientific Notes, point your browser to Neurology.org/N. At the end of the issue, check out the Resident & Fellow Pearls & Oysters article discussing a case of posterior circulation stroke caused by bow hunter syndrome. This week also includes a Visions titled "The knit wit of Einstein."

NEW EPISODE

August 14, 2018

Safety and efficacy of plasma exchange in pediatric transverse myelitis (see the August 2018 issue of *Neurology® Clinical Practice*)

1. *Neurology: Clinical Practice*: Safety and efficacy of plasma exchange in pediatric transverse myelitis
2. Clopidogrel and aspirin in acute ischemic stroke and high-risk TIA (POINT study)

Dr. Stacey Clardy talks with Dr. Benjamin Greenberg about his paper on therapeutic plasma exchange in a cohort of pediatric transverse myelitis patients. Next, Will Rondeau interviews Dr. Clay Johnston about findings from the POINT study on clopidogrel and aspirin in acute ischemic stroke.

Disclosures can be found at 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®

Spotlight on the August 14 issue

Robert A. Gross

Neurology 2018;91;289-290

DOI 10.1212/WNL.0000000000005986

This information is current as of August 13, 2018

Updated Information & Services

including high resolution figures, can be found at:
<http://n.neurology.org/content/91/7/289.full>

Permissions & Licensing

Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at:
http://www.neurology.org/about/about_the_journal#permissions

Reprints

Information about ordering reprints can be found online:
<http://n.neurology.org/subscribers/advertise>

Neurology® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright © 2018 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.