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

Notable in *Neurology* this week

This issue features an article that determines early prognostic factors of poor clinical outcome in patients treated by endovascular therapy with successful recanalization; another investigates acute elevations in serum inflammatory markers as predictors of recovery after sports-related concussion. A featured Contemporary Issues: Innovations in Education article explores a comprehensive curriculum for fellowship training in neuroinfectious diseases using a modified Delphi approach.

Articles

High BMI is associated with low ALS risk: A population-based study

Amyotrophic lateral sclerosis (ALS) is associated with hypermetabolism, and patients with high body mass index (BMI) live longer than others. In this population-based study, using data from a national compulsory tuberculosis screening program, high prediagnostic BMI and weight gain predicted low ALS risk several decades later. The long follow-up excludes reverse causality and suggests that high BMI protects against ALS.

Page 196

From editorialists Armon & Traynor: "May we infer a protective mechanism for elevated BMI? The authors suggest cautiously that genetic or epigenetic factors may predispose simultaneously to low BMI and to ALS, without one causing the other, and may account also for a dose-response effect."

Page 189

Exploratory proteomic analysis implicates the alternative complement cascade in primary CNS vasculitis

The molecular pathogenesis in primary angiitis of the CNS (PACNS) is poorly understood. In an exploratory study, the CSF proteome from patients with PACNS was compared to CSF from individuals with noninflammatory conditions. Evidence of common

biology was found between PACNS and systemic vasculitides. Possible therapeutic utility of these findings warrants further study.

Page 197

Low-density lipoprotein cholesterol and risk of intracerebral hemorrhage: A prospective study

The authors sought to understand whether low-density lipoprotein (LDL) cholesterol is associated with high intracerebral hemorrhage risk. In this 9-year prospective study, participants with LDL cholesterol <70 mg/dL had a higher risk than those with 70–99 mg/dL. These data could help determination of ideal LDL range for stroke prevention.

Page 198

MORE ONLINE

🎧 Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Continued

Muscle-targeted nutritional support for rehabilitation in patients with parkinsonian syndrome

Multidisciplinary intensive rehabilitation is an effective treatment for parkinsonian syndromes but is likely a high-stress condition for the muscle. This study demonstrates that high-protein muscle-targeted nutritional support improves the functional recovery associated with rehabilitation, with no interference with levodopa administration. Nutrition is a valuable adjuvant therapy that may go beyond the correction of nutritional deficiencies.

Page 202

NB: "Complete response of spinal metastases from non-small cell lung cancer with ALK inhibitors," p. 217. 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 Section Mystery Case discussing the considerations for a 78-year-old man who initially presented with a gait disorder. This week also includes a Resident & Fellow Section Teaching NeuroImage titled "Acute convexity subarachnoid hemorrhage: An underrecognized presentation of CAA-ri."

NEW EPISODE

July 30, 2019

CDC's guideline on pediatric mild traumatic brain injury: Recommendations for neurologists (see the June 2019 issue of *Neurology® Clinical Practice*)

1. CDC's guideline on pediatric mild traumatic brain injury: Recommendations for neurologists
2. What's Trending: Thrombolysis Guided by Perfusion Imaging up to 9 Hours after Onset of Stroke

In the first segment, Dr. Kristen Heinan talks with Dr. Barbara Weissman about her paper on recommendations for neurologists on the CDC's guideline on pediatric mild traumatic brain injury. In the second part of the podcast, Dr. Will Rondeau focuses his discussion with Dr. Geoffrey Donnan on his NEJM paper on thrombolysis guided by perfusion imaging up to 9 hours after onset of stroke. The paper can be read at <https://www.nejm.org/doi/pdf/10.1056/NEJMoa1813046>.

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.

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Spotlight on the July 30 issue

Robert A. Gross

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