José G. Merino, MD, MPhil, Editor-in-Chief, *Neurology*®

Notable in *Neurology* this week

This issue features an article that investigates whether in vivo glycolysis-related glucose metabolism and electron transport chain-related mitochondrial activity are regionally different in the brains of patients with Alzheimer disease; another determines which clinical and demographic factors predict 30-day hospital readmissions. A featured article explores whether amyotrophic lateral sclerosis is a multistep process across South Korean, Japanese, and Australian populations.

Articles

Better stress coping associated with lower tau in amyloid-positive cognitively unimpaired older adults

Resilience to stress was associated with lower tau deposition in areas of the brain affected by Alzheimer disease. This association is stronger in individuals with high amyloid burden. Stress assessment in cognitively unimpaired elderly may be helpful in early disease detection and treatment.

Page 649

Left-hemispheric predominance of nigrostriatal deficit in isolated REM sleep behavior disorder

Isolated REM sleep behavior disorder (IRBD) may be a prodrome to Parkinson disease, multiple system atrophy, and Lewy body dementia. In this study, right-handed patients with IRBD underwent functional neuroimaging of the dopaminergic system with DAT-SPECT, which showed greater impairment in the left (dominant) striatum. This asymmetry suggests that IRBD is a premotor precursor to the asymmetric synucleinopathies.

Page 652

Population-based analysis of survival in spinal muscular atrophy

Survival in patients with spinal muscular atrophy, other than type 1a, has not been well-studied. In this study, authors found that the probability of survival was severely shortened in types 1a and 1b, less so in 1c and 2a, and relatively normal in others. The data will help assess effects of genetic therapies and help clinicians to counsel parents about expected survival at time of diagnosis.

Page 655

Continued

Special Article

AAN position statement: Ethical issues in clinical research in neurology

This position statement of the American Academy of Neurology, American Neurologic Association, and Cognitive Neuroscience Society outlines a principle-based framework for the ethical conduct and review of clinical research that promotes transparency and consistency in ethical oversight of research.

Page 661

NB: "Residency Training: A practical guide for medical students who are planning a future in neurology," p. 673. To check out other Resident & Fellow Residency Training articles, point your browser to [Neurology.org/N](https://www.neurology.org/N) and click on the link to the Resident & Fellow Section. At the end of the issue, check out the Clinical/Scientific Note discussing the case of a patient with hypothalamic hamartomas, excessive daytime sleepiness, and low levels of hypocretin-1 upon CSF analysis. This week also includes a Resident & Fellow Section Pearls & Oysters article titled "Rapid progression of prion disease associated with transverse myelitis: A rare presentation."

NEW EPISODE

April 14, 2020

CME Opportunity: Listen to this week's *Neurology* Podcast and earn 0.5 AMA PRA Category 1 CME Credits™ by answering the multiple-choice questions in the online Podcast quiz.

ALS is a multistep process in South Korean, Japanese, and Australian patients (see p. 657)

1. ALS is a multistep process in South Korean, Japanese, and Australian patients
2. What's Trending: Neurology on the Hill

In the first segment, Dr. Matthew Harms talks with Dr. Steve Vucic about his paper on the multiple hit theory of amyotrophic lateral sclerosis. In the second part of the podcast, Dr. Jason Crowell speaks with Dr. Andrew Southerland about Neurology on the Hill.

Disclosures can be found at [Neurology.org](https://www.neurology.org).

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Spotlight on the April 14 issue

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