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Notable in *Neurology* This Week

This issue features an article that assesses the feasibility, acceptability, and perceived usefulness of a decision aid for goals-of-care communication with surrogate decision-makers for critically ill patients with severe acute brain injury; another investigates the effects of New York State’s universal newborn screening for spinal muscular atrophy 3 years after being added to the Recommended Uniform Screening Panel. A featured research article examines the effects of trauma and discrimination on migraine-associated disability in a sample of sexual and/or gender minority adults.

Research Articles

Acute Arterial Ischemic Stroke Following COVID-19 Vaccination: A Systematic Review and Meta-analysis

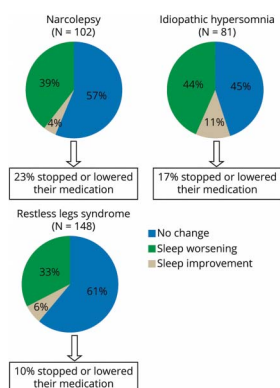
Acute arterial ischemic stroke (AIS) comprises a rare adverse event after coronavirus disease 2019 (COVID-19) vaccination. In a systematic review and meta-analysis, the prevalence of AIS after COVID-19 vaccination was comparable with that in the general population and much lower than the prevalence of AIS among patients with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection. These findings support the overwhelmingly favorable risk-benefit ratio of vaccination against SARS-CoV-2.

Page 601

From editorialists Simpkins and Cheng: “...despite the many challenges of managing primary and secondary stroke prevention during the pandemic, the imperative to prioritize stroke prevention for those at risk has never been greater. Fortunately, the meta-analysis results reported by Stefanou et al. offer reassurance that the frequency of postvaccine AIS is generally lower than the frequency of post-COVID AIS.”

Page 597

Changes in Sleep Pattern During the COVID-19 Lockdown in Patients With Narcolepsy, Idiopathic Hypersomnia, and Restless Legs Syndrome



This study explored the effects of the COVID-19 lockdown on sleep symptoms in narcolepsy, idiopathic hypersomnia, and restless legs syndrome. It found that these conditions worsened, with negative consequences on daily life. Patients with chronic sleep disorders should be assessed for adverse effects of their condition on their quality of life, particularly when infected with SARS-CoV-2.

Page 602

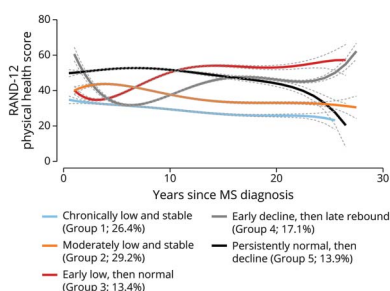
Continued

Prepandemic Alzheimer Disease Biomarkers and Anxious-Depressive Symptoms During the COVID-19 Confinement in Cognitively Unimpaired Adults

Cognitively unimpaired adults who are β -amyloid ($A\beta$) positive had higher anxiety and depression during COVID-19 confinement, which could worsen their prognosis. Regression models showed associations of $A\beta$ positivity and neuroinflammation with greater anxiety and depression, notably in women. COVID-19–related stressors (i.e., the confinement) may accelerate Alzheimer disease pathologic processes and disease progression in people at risk of cognitive decline.

Page 603

Physical and Mental Health–Related Quality of Life Trajectories Among People With Multiple Sclerosis



These investigators identified that clusters of people with multiple sclerosis have similar physical or mental health–related quality-of-life (HRQoL) trajectories. Older age at diagnosis, worse physical impairments, and fatigue were associated with the worst physical HRQoL trajectory. These characteristics can identify patients at risk of poor outcomes at the time of diagnosis.

Page 607

NB: “Functional Evaluation of the Dominant Hemisphere Using Magnetoencephalography Prior to Hemispherectomy,” p. 614. To check out other Resident & Fellow Section Child Neurology articles, point your browser to [Neurology.org/N](https://www.neurology.org/N) and navigate to the Resident & Fellow Online Section. At the end of the issue, check out a NeuroImage describing a patient’s case of anti-Homer-3-associated cerebellitis, and another illustrating myelopathy in a welder after zinc exposure. This week also includes a Resident & Fellow Pearls & Oysters article titled “Hemiballism and Orbitofrontal-like Syndrome in a Patient With Unilateral Tuberothalamic Stroke.”

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Spotlight on the October 4 Issue

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