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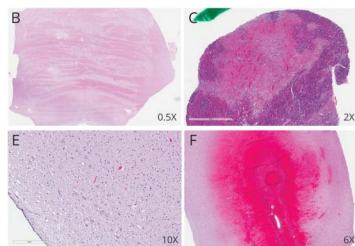


Notable in *Neurology* This Week

This issue features an article that looks at how often patients with nondisabling ischemic stroke have MRI-defined targets for reperfusion therapies; another one investigates the time course of β -amyloid ($A\beta$) deposition in the brain, an issue critical for planning therapeutic trials of $A\beta$ -lowering therapies in Alzheimer disease. A featured Contemporary Issues: Innovations in Education article delves into the value of, and strategies for, involving undergraduate students in research and clinical care in the neurosciences to promote neurology as a career choice.

Articles

Brain Histopathology of Adult Decedents After Extracorporeal Membrane Oxygenation



Neurologists are increasingly consulted to prognosticate for comatose adults undergoing extracorporeal membrane oxygenation (ECMO). The span of structural brain injury in these patients is not well understood. In an autopsy study, 35 of 41 patients had extensive neuropathologic changes, and these were associated with a variety of clinical features. Neuropathology after ECMO may be more common than detected clinically or on neuroimaging.

Page 418

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COVID-19 Resources

For the latest articles, invited commentaries, and blogs from physicians around the world

[NPub.org/COVID19](https://www.neurology.org/COVID19)

Diagnostic Yield of Lateral Decubitus Digital Subtraction Myelogram Stratified by Brain MRI Findings

Spinal CSF leaks can be challenging to diagnose and treat because the symptomatology is varied and the leak site is difficult to identify. Lateral decubitus digital subtraction myelography can identify the exact spinal CSF leak location, with higher diagnostic yield in patients with higher Bern spontaneous intracranial hypotension score on brain MRIs.

Page 421

From editorialists Carroll and Friedman: "These results support the clinical utility of the Bern score, suggesting that many patients with CSF-venous fistulas exist who are incorrectly informed that they do not have a spinal CSF leak based on brain and spine MRI. This is sobering."

Page 415

Basal Ganglia Dymorphism in Patients With Aicardi Syndrome

In a multicenter collaboration, basal ganglia dymorphisms were detected as a new imaging feature of Aicardi syndrome, introducing a new direction for genetic research. MRI and EEG are important for correct diagnosis and as agents for predicting long-term outcome.

Page 422

Continued

Natural History, Phenotypic Spectrum, and Discriminative Features of Multisystemic RFC1 Disease

A multimodal screening for *RFC1* repeats was combined with a cross-sectional and longitudinal deep phenotyping in 2 independent cohorts: a cross-European cohort and a Turkish cohort. The newly discovered RFC1 disease is frequent, occurs across continents, is identifiable via whole exome/genome sequencing, and inherently presents as neurologic multisystemic disease, including overlap with multiple system atrophy.

Page 426

NB: "Saccadic Hypermetria From a Selective Lesion of the Fastigial Oculomotor Region," p. 449. To check out other Clinical/Scientific Notes, point your browser to [Neurology.org/N](https://www.neurology.org/N). At the end of the issue, check out the NeuroImage illustrating left medial rectus cysticercosis on orbital MRI. This week also includes a Resident & Fellow Pearls & Oysters article titled "When Genetic Generalized Epilepsy Becomes Progressive."

NEW EPISODE



Tenecteplase vs Alteplase Before Endovascular Therapy in Basilar Artery Occlusion (see p. 417)

In the first segment, Dr. Jason Crowell talks to Dr. Erik Musiek about disease-modifying therapy in Alzheimer disease. In the second part of the podcast, Dr. Andrew Southerland talks with Dr. Fana Alemseged about tenecteplase versus alteplase in basilar artery occlusion.

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

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In Focus

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