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Notable in *Neurology* This Week

This issue features an article that examines the long-term effects of deep brain stimulation of the subthalamic nucleus on motor complications in patients with Parkinson disease; another investigates how death by neurologic criteria protocols vary across pediatric hospitals in the United States. A featured Contemporary Issues in Practice, Education, & Research article reports on a program designed to help individuals who are underrepresented in biomedical research advance their careers.

Research Articles

Reversible Cerebral Vasoconstriction Syndrome: Symptoms, Incidence, and Resource Utilization in a Population-Based US Cohort

Reversible cerebral vasoconstriction syndrome (RCVS) is an increasingly recognized neurologic condition, but little is known about its incidence. Using administrative data, the authors estimated the incidence of RCVS as approximately 3 cases per million adults per year. Although RCVS is relatively rare, clinicians should be aware of it given its associated serious sequelae.

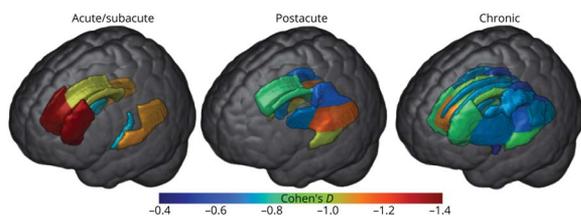
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Association of Type 1 Diabetes and Hypoglycemic and Hyperglycemic Events and Risk of Dementia

To understand how type 1 diabetes affects older adults' brain health, researchers followed 2,821 patients for severe hypoglycemic and hyperglycemic events and dementia diagnoses between 1997 and 2015. They concluded that severe hypo- and hyperglycemic events are associated with an increased future risk of dementia in older adults with type 1 diabetes.

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White Matter Disruption in Pediatric Traumatic Brain Injury: Results From ENIGMA Pediatric Moderate to Severe Traumatic Brain Injury



In this study, researchers analyzed diffusion MRI data of children and adolescents with traumatic brain injury (TBI). Their analyses showed persistent widespread white matter disruption years after the injury and that these changes are influenced by

clinical and demographic characteristics, reminding researchers and clinicians that TBI is a chronic condition.

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MORE ONLINE

COVID-19 Resources

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

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

Continued

Clinical/Scientific Notes

Clinical Presentation and Management of SMART Syndrome

Stroke-like migraine attacks after radiation therapy (SMART) syndrome is a rare but clinically relevant long-term complication of cranial radiation therapy. This article highlights the clinical and imaging features of the syndrome and discusses potential pathophysiologic mechanisms. Clinicians' awareness of this potential complication of radiation therapy will improve patient management and may limit potentially harmful interventions.

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NB: "Bilateral Posterior Temporal Lobe Contusions as a Rare Pattern of Traumatic Brain Injury," p. 142. To check out other NeuroImages, point your browser to [Neurology.org/N](https://www.neurology.org/N). At the end of the issue, check out the Resident & Fellow Section Journal Club article discussing a large retrospective cohort study that confirmed the trend of increasing cerebral venous thrombosis incidence and a Resident & Fellow Section Pearls & Oysters article on congenital fourth nerve palsy. This week also includes a Resident & Fellow Teaching Video NeuroImage titled "Optic Ataxia as the Presenting Sign of the Heidenhain Variant of Creutzfeldt-Jakob Disease."

NEW EPISODE



PODCAST

July 20, 2021

Reversible Cerebral Vasoconstriction Syndrome: Symptoms, Incidence, and Resource Utilization in a Population-Based US Cohort (see p. 111)

In the first segment, Dr. Will Rondeau discusses the symptoms, incidence, and resource utilization of reversible cerebrovascular vasoconstriction syndrome with Dr. Jessica Magid-Bernstein. In the second part of the podcast, Dr. Andy Southerland discusses the optimization of atrial fibrillation treatment and stroke prevention with Dr. Seemant Chaturvedi.

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

CME Opportunity: Listen to this week's Neurology® Podcast and earn 0.5 AMA PRA Category 1 CME Credits™ by completing the online podcast quiz.

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Spotlight on the July 20 Issue

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Neurology 2021;97;103-104

DOI 10.1212/WNL.0000000000012280

This information is current as of July 19, 2021

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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 © 2021 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.

