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Notable in *Neurology* This Week

This issue features an article that investigates how heterogeneity in disease progression influences the detection of treatment effects in Alzheimer disease trials; another determines the association between electroencephalographic seizure and unfavorable neurobehavioral outcomes in critically ill children. A featured Views & Reviews examines the effectiveness of vagus nerve stimulation in treating pediatric drug-resistant epilepsy.

Articles

Progression to Dementia in Mild Cognitive Impairment With Lewy Bodies or Alzheimer Disease

The rate of, and factors associated with, progression to dementia in people with mild cognitive impairment (MCI) with Lewy bodies is unknown. This study found that diagnostic characteristics of Lewy body disease are associated with an increased risk of transition to dementia compared to those of MCI and Alzheimer disease.

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Association of Hemoglobin A1C With TDP-43 Pathology in Community-Based Elders

TDP-43 inclusions are associated with amyotrophic lateral sclerosis and dementia. This clinical-pathologic study found that a high level of hemoglobin A1c was associated with lower TDP-43 scores in the brain. Further studies are needed to characterize the complex association between glycemic control and abnormal phosphorylation of TDP-43.

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Brain MRI and Ophthalmic Biomarkers of Intracranial Pressure



The authors of this study identified imaging and fundoscopic examination findings that were associated with increased intracranial pressure (IICP). These features, particularly when they occur together, may serve as non-invasive biomarkers of IICP and suggest the need for acute treatment for intracranial hypertension.

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COVID-19 Resources

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Continued

Long-term Efficacy and Safety of Erenumab: Results From 64 Weeks of the LIBERTY Study

One-year results from the 3-year open-label extension phase of the LIBERTY study demonstrated sustained efficacy and tolerability of erenumab among patients with episodic migraine. These findings suggest erenumab is a potential treatment option for patients where previous preventives have failed.

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NB: "Clinical Reasoning: A 7-Year-Old Boy With Acute-Onset Altered Mental Status," p. e2774. To check out other Resident & Fellow Section Clinical Reasoning 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 Pearls & Oysters article discussing how Rosai-Dorfman disease affects the CNS. This week also includes a Resident & Fellow Section Teaching NeuroImages article titled "Transepandyml Oozing of Intrathecal Contrast Mimicking Intracerebral Hemorrhage."

NEW EPISODE



June 1, 2021

Brain MRI and Ophthalmic Biomarkers of Intracranial Pressure (see p. 1027)

In the first segment, Dr. Alex Menze speaks with Prof. Antonio Belli about the role of salivary small non-coding RNAs in the diagnosis of sport-related concussion. In the second part of the podcast, Dr. David Lapidus talks to Dr. Linda D'Antona about the utility of brain MRI and ophthalmic biomarkers for the prediction of intracranial hypertension.

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

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