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Notable in *Neurology* this week

This issue features an article that verifies that the NIH-Toolbox Cognitive Battery is a reliable and valid clinical research test for children and young adults with intellectual disability and a mental age of ≥ 5 years; another investigates the usefulness of the pediatric Alberta Stroke Program Early Computed Tomography Score in determining outcomes following neonatal arterial ischemic stroke, including accuracy in predicting cerebral palsy, neurologic impairment, and epilepsy. A featured Views & Reviews explores the current knowledge state, research gaps, and proposed research priorities in dystonia.

Articles

Thrombolysis for acute ischemic stroke in the unwitnessed or extended therapeutic time window

Patients with acute ischemic stroke can benefit from IV thrombolysis (IVT) outside the conventional 4.5-hour window. The authors observed that IVT administration outside the 4.5-hour window in patients with substantial viable brain tissue correlated with improved functional outcomes. The utility of IVT in patients with large vessel occlusion presenting after 4.5 hours from symptom onset deserves further investigation.

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Race/ethnicity influences outcomes in young adults with supratentorial intracerebral hemorrhage

The study of spontaneous supratentorial intracerebral hemorrhage in young patients has been limited. A subset of young patients from the ERICH study was analyzed for predictors of functional outcome and poor outcome. The authors identified differences in outcomes across race/ethnicity, establishing a foundation for future inquiry into its mediators.

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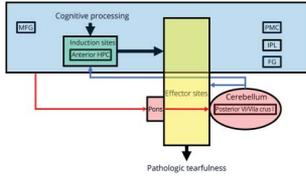
Simple MRI score aids prediction of dementia in cerebral small vessel disease

A simple score, derived from clinical MRI scans, was assessed as a potential predictor of higher risk of cognitive decline and dementia in patients with cerebral small vessel disease. The score improved prediction of dementia compared to clinical measures and can be applied in routine clinical practice.

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Continued

Pathologic tearfulness after limbic encephalitis: A novel disorder and its neural basis



The authors describe a novel disorder of emotion regulation following autoimmune limbic encephalitis, characterized by pathologic tearfulness. This disorder may be misdiagnosed as depression, but is unrelated to mood and is associated with abnormalities in brain networks supporting emotion regulation. Further research is required for behavioral and pharmaceutical interventions.

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NB: “Drisapersen associated with elevated serum factor VIII levels in Duchenne muscular dystrophy,” p. 538. To check out other Clinical/Scientific Notes, point your browser to Neurology.org/N. At the end of the issue, check out the Resident & Fellow Child Neurology article discussing the findings from a patient with ethylmalonic encephalopathy and a novel variation in ETHE1. This week also includes a Resident & Fellow Section Clinical Reasoning article titled “Ketogenic diet in adult super-refractory status epilepticus.”

NEW EPISODE



March 24, 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.

New evidence on the management of Lewy body dementia (article from *The Lancet*)

1. *The Lancet*: New evidence on the management of Lewy body dementia
2. Pathologic tearfulness after limbic encephalitis: A novel disorder and its neural basis (p. 522)

In the first segment, Dr. Matthew Barrett talks with Dr. John-Paul Taylor about his paper on Lewy body dementia management published in *The Lancet*. The article is available online at: [https://www.thelancet.com/journals/laneur/article/PIIS1474-4422\(19\)30153-X/fulltext](https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(19)30153-X/fulltext). In the second part of the podcast, Dr. Stacey Clardy speaks with Dr. Chris Butler about his paper on pathologic tearfulness after limbic encephalitis.

Disclosures can be found at Neurology.org.

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[In Focus] Spotlight on the March 24 issue

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