José G. Merino, MD, MPhil, Editor-in-Chief, *Neurology*[®]

Notable in *Neurology* This Week

This issue features an article that investigates whether IV thrombolysis treatment before endovascular thrombectomy (ET) results in better outcomes than ET alone in patients with large artery occlusion stroke; another examines the association of Lewy bodies with olfactory dysfunction, parkinsonism, and dementia among Black and White elderly adults. A featured Research Methods in Neurology article evaluates the shortcomings of the modified Rankin Scale to detect changes in specific functional domains.

Research Articles

Utility of Intravenous Alteplase Prior to Endovascular Stroke Treatment: A Systematic Review and Meta-analysis of RCTs

There is a question of the safety and efficacy of IV thrombolysis for patients with large vessel occlusion (LVO). This meta-analysis detected no difference in functional outcomes, mortality, and risk of intracranial hemorrhage between direct thrombectomy and bridging therapy in patients with LVO.

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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

Association of Orthostatic Hypotension With Cerebral Atrophy in Patients With Lewy Body Disorders

To determine whether orthostatic hypotension (OH) or supine hypertension (SH) is associated with brain atrophy and white matter hyperintensities, this study analyzed clinical and radiologic data of patients with Parkinson disease and dementia with Lewy bodies.

OH was associated with

brain atrophy in patients with Lewy body disorders. However, neither OH nor SH was associated with white matter hyperintensities.

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Diabetes Mellitus and Cognition: Pathway Analysis in the MEMENTO Cohort

This study aimed to understand the roles of Alzheimer disease (AD), small vessel disease (SVD), and neurodegeneration in the association of diabetes and cognition. In older adults from a memory clinic, the detrimental diabetes–cognition association was mediated by neurodegeneration independently of SVD and AD biomarkers, suggesting diabetes may act on cognition directly through neurodegeneration.

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Continued

NB: “Progressive Neurologic Symptoms in the Setting of HIV: A Rare Case of Neurosymptomatic CSF HIV Escape,” p. 389. 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 Teaching Video NeuroImage discussing rhythmic upper extremity movements caused by the brainstem release phenomenon and another on ipsilateral upper extremity automatisms that mimic conducting music. This week also includes a Resident & Fellow Section Education Research article titled “NeuroBytes: A New Rapid, High-Yield e-Learning Platform for Continuing Professional Development in Neurology.”

NEW EPISODE

August 24, 2021

Closing the Part D Coverage Gap and Out-of-Pocket Costs for Multiple Sclerosis Drugs (see the August issue of *Neurology® Clinical Practice*)

In the first segment, Dr. Stacey Clardy talks with Dr. Daniel Hartung about whether closing the Part D coverage gap between 2010 and 2019 lowered patients' out-of-pocket costs for multiple sclerosis drugs. In the second part of the podcast, Dr. Teshamae Monteith discusses sex, exercise, and other benign causes of thunderclap headache with Dr. Jonathan Smith in the final segment of our 4-part series on thunderclap headache.

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

No CME this week: Interviews based on articles from *Neurology: Clinical Practice*, *Neurology® Genetics*, and *Neurology® Neuroimmunology & Neuroinflammation* are excluded from the CME program.

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Spotlight on the August 24 Issue

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