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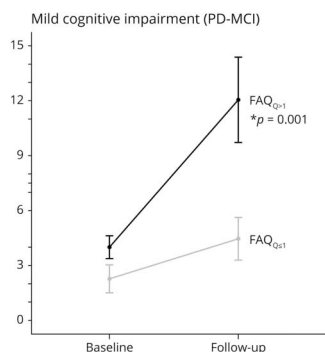


Notable in *Neurology* This Week

This issue features an article that investigates the clinical outcomes of postendovascular thrombectomy in patients with acute stroke with cancer; another determines the cognitive outcomes of lysine reduction therapies for patients with pyridoxine-dependent epilepsy. A featured Review explores the origins of amyotrophic lateral sclerosis as either distal or cortical.

Research Articles

Cognitive-Driven Activities of Daily Living Impairment as a Predictor for Dementia in Parkinson Disease: A Longitudinal Cohort Study



Using cognitive and clinical scores and genetic and CSF biomarkers, this study showed that cognitive-associated instrumental activity of daily living (IADL) impairment in patients with Parkinson disease (PD) increased the risk of dementia. Patients with PD with cognitive and motor-driven IADL impairment are a potential target group for intervention trials.

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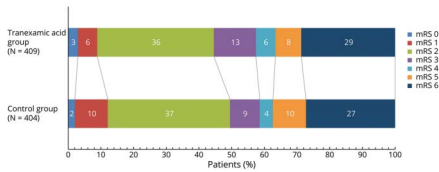
Association of Red Blood Cell Omega-3 Fatty Acids With MRI Markers and Cognitive Function in Midlife: The Framingham Heart Study

In this study, higher Omega-3 index was associated with larger hippocampal volumes, higher docosahexaenoic and eicosapentaenoic acid concentrations, and better abstract reasoning among middle-aged adults. These associations varied by *APOE* genotype. The results suggest that higher omega-3 fatty acid concentrations relate to better brain structure and cognitive function.

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Continued

Tranexamic Acid After Aneurysmal Subarachnoid Hemorrhage: Post Hoc Analysis of the ULTRA Trial



Antifibrinolytic treatment reduces rebleeding rates after subarachnoid hemorrhage; however, its effect on clinical outcome is debated. Clinical outcome in this study did not significantly differ between patients with aneurysmal subarachnoid hemorrhage treated with tranexamic acid and those treated with standard care. Therefore, tranexamic acid treatment in patients with aneurysmal subarachnoid hemorrhage is not recommended.

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Clinical/Scientific Note

Somatic Mosaic Pathogenic Variant Gradient Detected in Trace Brain Tissue From Stereo-EEG Depth Electrodes

Molecular diagnosis, using exome sequencing of trace tissue from stereo-EEG depth electrodes, identified the etiology of epilepsy of a patient. The authors detected the mosaic gradient of a brain somatic *KCNT1* pathogenic variant in a patient with drug-resistant nonlesional multifocal epilepsy. These findings demonstrated the use of brain-only mosaicism in epilepsy etiology.

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NB: “Adult-Onset Adrenoleukodystrophy Presenting With Atypical Location of White Matter Lesions,” p. 1051. 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 Child Neurology article discussing acquired Horner syndrome secondary to neuroblastoma in an infant. This week also includes a Resident & Fellow Section Teaching NeuroImage titled “Atypical Unilateral Cortical Ribboning in Anti-NMDA Receptor Encephalitis.”

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Spotlight on the December 6 Issue

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Neurology 2022;99;1015-1016

DOI 10.1212/WNL.0000000000201443

This information is current as of December 5, 2022

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