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Notable in *Neurology* This Week

This issue features an article that compares 18-year temporal trends in ischemic stroke rates by age, sex, and ethnicity; another examines the effects of exercise on concussion symptoms in adolescents. A featured Historical Neurology article examines original clinical records from the Muybridge-Dercum project, the first-ever motion picture study of neurologic patients.

Research Articles

Association Between Time to Endovascular Therapy and Outcomes in Patients With Acute Basilar Artery Occlusion

This study evaluated how onset to puncture time affects outcomes of endovascular treatment (EVT) in patients with acute basilar artery occlusion. EVT was associated with better clinical outcomes when treatment was started within 9 hours, but outcomes were better with earlier treatments. After 9 hours, patients selected using tissue-based criteria may still benefit from EVT.

[Page 1017](#)

Role of S100B Serum Concentration as a Surrogate Outcome Parameter After Mechanical Thrombectomy

This study characterizes S100B serum as an easy-to-use surrogate biomarker for tissue injury after endovascular stroke therapy. S100B serum correlates with infarct size and predicts functional outcome at 3 months, depending on the affected hemisphere. S100B serum may be used as a measure of process quality in large vessel occlusion stroke.

[Page 1020](#)

Fish Intake and MRI Burden of Cerebrovascular Disease in Older Adults

In a large population-based study, researchers found an association of higher fish intake with lower burden of subclinical cerebrovascular disease at MRI, including white matter hyperintensities, covert infarcts, and dilated perivascular spaces. This association was stronger among participants <75 years and suggests a beneficial effect on brain vascular health before disease manifestations.

[Page 1023](#)

Continued

Phenotypic and Genotypic Associations Between Migraine and Lipoprotein Subfractions

An evaluation of phenotypic and genetic associations between migraine and lipoprotein subfractions found that migraine was associated with triglyceride-rich lipoproteins in populations of European ancestry. Pleiotropy determined the genetic correlation and the corresponding genetic components may identify patients who might benefit from migraine therapeutics.

Page 1024

NB: "Bing-Neel Syndrome: A Rare Mimic of Secondary Normal Pressure Hydrocephalus," p. 1033. To check out other Video NeuroImages, point your browser to Neurology.org/N. At the end of the issue, check out the Resident & Fellow Section Pearls & Oysters article discussing corticobasal syndrome presenting in a patient with Creutzfeldt-Jakob disease. This week also includes a Resident & Fellow Section Teaching Video NeuroImage titled "Hereditary Hyperkplexia Mimicking Tonic Seizures in an Infant."

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Spotlight on the November 30 Issue

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