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Notable in *Neurology* This Week

This issue features an article that examines the effects of recurrent concussions on cerebral blood flow and the white matter microstructure of midline brain structures; another compares the effectiveness of initial treatment options for children with infantile spasms. A featured Special Article examines the use, abuse, and ethical implications of social media in health care.

Research Articles

Incidence of Stroke in Immigrants to Canada: A Province-wide Retrospective Analysis

This retrospective cohort study of 8 million adults evaluated the association of immigration status with stroke incidence and whether it varied by age, stroke type, or immigrants' countries of origin. Immigrants had a lower rate of stroke than long-term residents across all age groups and stroke types.

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Associations of Fully Automated CSF and Novel Plasma Biomarkers With Alzheimer Disease Neuropathology at Autopsy

By studying antemortem biofluid collections in relation to postmortem neuropathology, researchers demonstrated neuropathologic validity of the fully automated Elecsys biomarker assays and provided pathology-specific concentration cutoffs. In a head-to-head comparison, plasma p-tau181 demonstrated comparable pathologic discrimination as CSF p-tau181, supporting its use as an easily accessible screening tool.

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Continued

Impact of C-Reactive Protein on Cognition and Alzheimer Disease Biomarkers in Homozygous APOE $\epsilon 4$ Carriers

Using the Alzheimer's Disease Neuroimaging Initiative study data, this study demonstrates that C-reactive protein (CRP) affects cognitive decline and Alzheimer disease (AD) pathology in APOE $\epsilon 4$ carriers but not in carriers of other APOE genotypes. Blood CRP could evaluate imminent risk for AD and guide antiinflammatory treatment to lower AD risk in APOE $\epsilon 4$ carriers.

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NB: "Garcin Syndrome in a Patient With Neurolymphomatosis," p. 600. 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 NeuroImage discussing nonconvulsive status epilepticus in a woman receiving chimeric antigen receptor T-cell therapy and another on palindromic rheumatoid meningitis. This week also includes a Resident & Fellow Section Child Neurology article titled "RNA Sequencing for the Diagnosis of Lissencephaly."

NEW EPISODE

September 21, 2021

Comparative Effectiveness of Initial Treatment for Infantile Spasms in a Contemporary US Cohort (see p. 577)

In the first part of the podcast, Dr. Alex Menze discusses the acute and chronic effects of a history of concussions with Dr. Nathan Churchill. In the second segment, Dr. Halley Alexander talks with Dr. Zachary Grinspan about the comparative effectiveness of initial treatment for infantile spasms.

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

CME Opportunity: Listen to this week's Neurology® Podcast and earn 0.5 AMA PRA Category 1 CME Credits™ by completing the online podcast quiz.

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Spotlight on the September 21 Issue

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