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## Notable in *Neurology* This Week

This issue features an article that investigates cross-sectional effects of cognitive reserve and brain reserve on cognition in Alzheimer disease and another that demonstrates the efficacy of laser shoes on freezing of gait and gait measures in Parkinson disease. A featured special article outlines the quality measurement set developed by the Child Neurology Work Group.

## Articles

### The headache of terror: A matched cohort study of adolescents from the Utøya and the HUNT Study

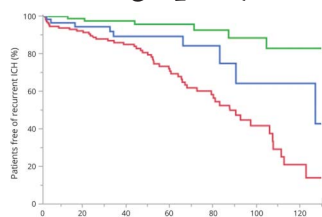
Adolescents exposed to severe psychological trauma are at an increased risk for frequent and severe headaches in the early aftermath of the event, as shown in this matched cohort study. Improved clinician awareness can ensure that the proper strategies for facilitating recovery after terror are put in place.

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*From editorialists Heyer and Mack: "The study is important for medical providers who care for survivors of mass violence and natural disasters as headache interventions, when indicated, can be initiated early and combined with therapies addressing the traumatic experience."*

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### Mixed-location cerebral hemorrhage/microbleeds: Underlying microangiopathy and recurrence risk



The authors assessed the predominant type of cerebral small vessel disease and recurrence risk in patients with lobar and deep intracerebral hemorrhage/microbleeds. Patients with mixed location cerebral hemorrhage/microbleeds, regardless of symptomatic bleed location, had more severe parenchymal damage and higher intracerebral hemorrhage recurrence risk.

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*From editorialists Smith and Romero: "This information will help clinicians make better informed decisions regarding vascular risk reduction strategies in patients with ICH, including selecting of blood pressure targets as well as determining the risks associated with treating comorbid conditions with antithrombotic therapy or statins."*

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### Prospective study of restless legs syndrome and total and cardiovascular mortality among women

Physician-diagnosed restless legs syndrome (RLS) was associated with higher risk of cardiovascular disease mortality in a cohort of women from the Nurses' Health Study. The authors discovered that the association between RLS and cardiovascular disease mortality became stronger (and significant) after excluding participants with common RLS comorbidities.

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## MORE ONLINE

### 🎧 Editor Summary

Audio summary of highlighted articles.

[NPub.org/edsum](http://NPub.org/edsum)

*Continued*

## Differential associations between retinal signs and CMBs by location: The AGES-Reykjavik Study

In a population-based cohort study, the authors found that retinal microvascular signs are associated with deep cerebral microbleeds, but pure geographic atrophy—a form of age-related macular degeneration—is associated with lobar cerebral microbleeds. This suggests that various retinal signs are markers of different underlying pathologies in the brain.

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NB: “Education Research: Difficult conversations in neurology: Lessons learned from medical students,” p. 93. To check out other Resident & Fellow section Education Research articles, point your browser to [Neurology.org/N](http://Neurology.org/N) and click on the link to the Resident & Fellow Section. At the end of the issue, check out the Clinical/Scientific Note discussing a case of progressive multifocal leukoencephalopathy possibly associated with teriflunomide treatment for multiple sclerosis and another on alternating anisocoria caused by unilateral periodic pupillary constriction. This week also includes a Visions titled “Pond neurons.”

### NEW EPISODE



## Neurology<sup>®</sup> PODCAST

January 9, 2018

### CME Opportunity:

Listen to this week's *Neurology*<sup>®</sup> Podcast and earn 0.5 AMA PRA Category 1 CME Credits™ by answering the multiple-choice questions in the online Podcast quiz.

## Quality improvement in neurology: Child neurology quality measure set: Executive summary (see page 67)

1. Featured Article: Quality improvement in neurology: Child neurology quality measure set: Executive summary
2. Lesson of the Week: Migraine and neuromodulation: acute and preventive treatments

This *Neurology*<sup>®</sup> Podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the January 9, 2018, issue of *Neurology*. In the first segment, Dr. Adam Numis talks with Dr. Jeffrey Buchhalter and Dr. Anup Patel about their quality measure set executive summary article regarding child neurology. For the “Lesson of the Week” segment, Dr. Tesha Monteith speaks with Dr. Stewart Tepper about migraine and neuromodulation.

Disclosures can be found at [Neurology.org/podcast](http://Neurology.org/podcast).