

Robert A. Gross, MD, PhD, FAAN, Editor-in-Chief, *Neurology*<sup>®</sup>

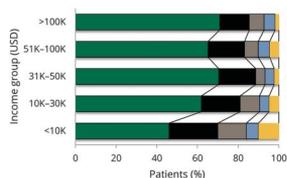


## Notable in *Neurology* this week

This issue features an article that determines whether congenital arhinia/Bosma arhinia microphthalmia syndrome and facioscapulohumeral muscular dystrophy type 2 might represent different ends of a broad single phenotypic spectrum associated with SMCHD1 dysfunction, and another that investigates the use of 4D-flow MRI to characterize hemodynamics of transverse and sigmoid sinus in venous pulsatile tinnitus patients compared to healthy controls. A featured Views & Reviews article examines the broad global diversity in the diagnosis, management, and research of dementia in different regions of the world.

## Articles

### Socioeconomic determinants of outcome after childhood arterial ischemic stroke



In a large multinational, prospective cohort of children with arterial ischemic stroke, low income was associated with worse neurologic outcomes. Disparate outcomes were not explained by stroke type, comorbidities, or access to rehabilitation. Better understanding of the basis for these disparities is key to improving outcomes.

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### Late-life blood pressure association with cerebrovascular and Alzheimer disease pathology

Higher and declining blood pressure (BP) relates to neuropathology. In 1,300 older decedents, higher average systolic and diastolic BP over 8 years, and declining systolic BP, were associated with gross and microinfarcts, and systolic BP was also associated with Alzheimer disease (tangles). Controlling and maintaining BP may preserve healthy brain aging.

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### Anticonvulsants and the risk of perinatal bleeding complications: A pregnancy cohort study

Evidence from this large observational study suggests that use of anticonvulsant drugs that induce cytochrome P450 metabolism (ACDi) near delivery does not increase the risk of bleeding complications compared to other ACDs in clinical settings where neonatal intramuscular or oral vitamin K administration is considered standard of care. These findings provide reassurance for clinicians and pregnant women successfully treated with ACDi.

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## MORE ONLINE

### 🎧 Editor's Summary

Audio summary of highlighted articles.

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

*Continued*

## DBS of the PSA and the VIM in essential tremor: A randomized, double-blind, crossover trial

This prospective, double-blind, cross-over study demonstrates that deep brain stimulation (DBS) of the posterior subthalamic area (PSA) is equally effective as thalamic (ventral intermediate [VIM]) stimulation for essential tremor, but is more energy efficient, without differences in quality or frequency of side effects. Implantation of DBS leads into both VIM and PSA should be considered in the future.

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From editorialists Weiss & Pal: "The present study is timely and provides the first randomized controlled trial on PSA-DBS in ET."

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NB: "Neurology outreach clinic for Huntington disease in Peru: Lessons for neurodegenerative diseases," p. 278. To check out other Global Perspectives articles, point your browser to [Neurology.org/N](http://Neurology.org/N). At the end of the issue, check out the NeuroImage discussing the misdiagnosis of functional gait disorder in 2 patients with coxa saltans. This week also includes a Reflections: Neurology and the Humanities poem titled "The 4 seasons of a fading mind."

### NEW EPISODE



August 7, 2018

#### ■ CME Opportunity:

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

## Diagnosing cerebral ischemia with door-to-thrombolysis times below 20 minutes (see p. 249)

1. Diagnosing cerebral ischemia with door-to-thrombolysis times below 20 minutes
2. What's Trending: Tenecteplase versus alteplase before thrombectomy for ischemic stroke

This podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the August 7, 2018, issue of *Neurology*. In the first segment, Dr. Jimmy Berthaud speaks with Drs. Olli Mattila and Perttu Lindsberg about their paper on the accuracy and consequences of rapid stroke diagnostics in a neurologic emergency department. In the second part of the podcast, Dr. Kevin Barrett interviews Dr. Bruce Campbell about the EXTEND-IA TNK trial of tenecteplase for patients with ischemic stroke.

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

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## Spotlight on the August 7 issue

Robert A. Gross

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