

Robert A. Gross, MD, PhD, FAAN, Editor-in-Chief, *Neurology*[®]



Notable in *Neurology* this week

This issue features an article that describes and identifies the differences in spindle activity in children with autism, development delay, or typical development; another illustrates that the frailty index can help clinician identification of patients with HIV/AIDS at high risk for neurocognitive impairment. Two featured Special Articles update the 2004 American Academy of Neurology guidelines for treating new-onset focal or generalized epilepsy, and managing treatment-resistant epilepsy, with antiepileptic drugs.

Articles

Incidence of sudden unexpected death in epilepsy in children is similar to adults

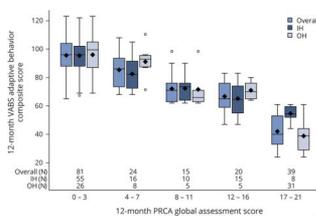
Prior studies suggest that sudden unexpected death in epilepsy (SUDEP) rates are lower in children than in adults. Using a multifaceted surveillance system to obtain population-based SUDEP incidence, the present study showed that SUDEP incidence in children is similar to that in adults. This is an important consideration when counseling pediatric patients and families.

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From editorialists Kothare & Trevathan: "Currently available data mandate that we (1) consider SUDEP risks when making treatment decisions among children with intractable epilepsy, (2) develop methods of better informing parents of children with intractable epilepsy about SUDEP risks, and (3) conduct research to delineate modifiable risk factors for childhood SUDEP and develop SUDEP intervention strategies."

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Neurologic outcomes in pediatric cardiac arrest survivors enrolled in the THAPCA trials



Standardized neurologic examinations in pediatric survivors of cardiac arrest provide accurate measures of neurobehavioral function. In the reported study, 12-month neurologic examination scores of children who were comatose after cardiac arrest correlated with Vineland Adaptive Behavior Scale scores. Neurologic outcomes varied markedly, highlighting the challenges of early prognostication.

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Association between diabetes and subsequent Parkinson disease: A record-linkage cohort study

The authors provide epidemiologic evidence that type 2 diabetes may be a risk factor for Parkinson disease (PD). Patients with type 2 diabetes showed an increased risk of subsequent PD in this retrospective record-linkage cohort study. This association may reflect shared pathophysiological mechanisms with clinical and therapeutic implications.

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MORE ONLINE

🎧 Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Continued

Cognitive ability in young adulthood predicts risk of early-onset dementia in Finnish men

The authors' study reinforced previous suggestions that lower early-life cognitive ability is a risk factor for dementia. Lower cognitive ability at age 20 predicted higher risk of early-onset dementia. Associations between cognitive ability and dementia risk may vary according to the age at cognitive testing and dementia onset.

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NB: "Deliberate gait scissoring to overcome freezing of gait in Parkinson disease," p. 97. To check out other Video NeuroImages, point your browser to Neurology.org/N. At the end of the issue, check out the Clinical/Scientific Note describing immune-mediated cerebellitis following pembrolizumab. This week also includes a Resident & Fellow Clinical Reasoning article titled "Acute onset of diplopia in pregnancy."

NEW EPISODE



July 10, 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.

Practice guideline update summary: Efficacy and tolerability of new antiepileptic drugs I: Treatment of new-onset epilepsy: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology and the American Epilepsy Society (see p. 74)

1. Featured Article: Practice guideline update summary: Efficacy and tolerability of new antiepileptic drugs I: Treatment of new-onset epilepsy
2. Lesson of the Week: Functional Disorders part 2

This podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the July 10, 2018, issue of *Neurology*. In the first segment, Dr. Derek Bauer talks with Dr. Jacqueline French about her paper, a summary of a recent practice guideline on the treatment of new-onset epilepsy. In the second part of the podcast, Dr. David Lapidus continues the discussion on functional disorders with Dr. Jon Stone.

Disclosures can be found at Neurology.org.

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Neurology®

Spotlight on the July 10 issue

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Neurology 2018;91;53-54

DOI 10.1212/WNL.0000000000005782

This information is current as of July 9, 2018

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