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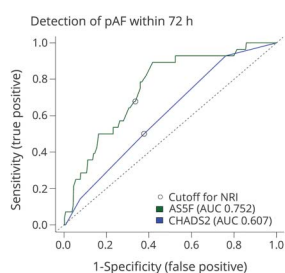


Notable in *Neurology* this week

This issue features an article that describes the epileptology and cognitive regression seen in *MECP2* duplication syndrome; another characterizes the topography of tau pathology, using [¹¹C]PBB3 PET, in patients with amyotrophic lateral sclerosis/parkinsonism-dementia complex on Japan's Kii Peninsula. A featured Contemporary Issues article analyzes US neurology residents' survey reports on educational debt, fellowship application, and readiness for practice.

Articles

Development and validation of a score to detect paroxysmal atrial fibrillation after stroke



Paroxysmal atrial fibrillation (pAF) in patients with acute stroke frequently escapes routine diagnostic workup. With prolonged Holter-ECG monitoring more episodes of pAF could be detected; instead, patients are often triaged. The ASSF score, based on clinical variables, identifies patients with a high probability of pAF detection during prolonged monitoring.

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From editorialists Katan & Lubitz: "Future studies are warranted to determine whether an approach of identifying high AF risk patient groups for underlying AF or even atrial cardiopathy, to guide the utilization of cardiac rhythm monitoring or anticoagulation, is effective."

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Brain networks' functional connectivity separates aphasic deficits in stroke

The authors identify key cortical networks for language deficits that can be targeted in treatment of noninvasive brain stimulation. Different brain systems are selectively linked to impairments of distinctive language components after left stroke, hence extending the concept of a neuropsychological double dissociation from structural damage to functional networks.

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Age and time course of long-term motor and nonmotor complications in Parkinson disease

Time is key in Parkinson disease. The authors disentangle how risk of motor and nonmotor long-term complications unfold in patients along age and disease course. In this study, motor, axial, neuropsychiatric, and cognitive complications exhibited specific nonlinear patterns. This delineates rapid changes in pathologic mechanisms related to age and disease.

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MORE ONLINE

🎧 Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Continued

Views & Reviews

Translating the biology of aging into novel therapeutics for Alzheimer disease

In this report, the development of novel therapeutics for Alzheimer disease (AD) is framed in the context of biological gerontology. The authors review the clinical trial landscape of AD; while later-phase trials were dominated by amyloid-targeting drugs, many therapeutic targets based on biological gerontology principles are under clinical development.

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NB: "Diagnosis and treatment evaluation of in-stent restenosis of carotid artery stenting using optical coherence tomography," p. 99. To check out other NeuroImages, point your browser to Neurology.org/N. At the end of the issue, check out the Resident & Fellow Pearls & Oysters article illustrating the challenges of diagnosing a case of Gerstmann-Sträussler-Scheinker disease. This week also includes a Global Perspectives article titled "Barriers to diagnosis and management of CNS infections in Indonesia."

NEW EPISODE



January 8, 2019

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.

Development and validation of a score to detect paroxysmal atrial fibrillation after stroke

1. Development and validation of a score to detect paroxysmal atrial fibrillation after stroke
2. What's Trending: ICER and the scope of drug pricing

In the first segment, Dr. Andy Southerland talks with Dr. Timo Uphaus about his paper on the development and validation of a score to detect paroxysmal atrial fibrillation after stroke. In the second part of the podcast, Dr. Gordon Smith focuses his interview with Dr. Steve Pearson on the ICER and drug pricing.

Disclosures can be found at Neurology.org.

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Spotlight on the January 8 issue

Robert A. Gross

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