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

Notable in *Neurology* this week

This issue features an article that evaluates the temporal trends of early ambulatory status in patients with spontaneous intracerebral hemorrhage, and another that correlates a new diagnosis of cancer with increased short-term risk of cerebrovascular events. A featured article describes similarities and differences in Parkinson disease natural history, diagnosis, and treatment response in patients with 22q11.2 deletion syndrome compared to patients with idiopathic Parkinson disease.

Articles

White matter integrity and processing speed in sickle cell anemia

Irrespective of silent infarction, processing speed is lower in patients with sickle cell disease than controls; this accounts for differences in IQ, and reduces with age and arterial oxygen content. Strong relationships between processing speed and integrity of normal-appearing white matter underscore the utility of diffusion MRI in identifying functionally relevant structural injury.

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MORE ONLINE

🎧 Editor's Summary

Audio summary of highlighted articles.

NPub.org/edsum

Disrupted hypothalamic functional connectivity in patients with PD and autonomic dysfunction

The development of imaging markers for autonomic dysfunction in Parkinson disease (PD) can promote discovery of necessary therapeutics. In this study, striato-hypothalamic functional connectivity was reduced in patients with PD with higher autonomic symptom burden. Interactions within central autonomic pathways may prove to be a strong imaging marker for autonomic dysfunction in PD.

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From editorialists Palma & Mano: "Because the hypothalamus is involved in autonomic function, it is tempting to speculate that the abnormalities in functional connectivity described by Dayan et al. have a causative role in the autonomic dysfunction in patients with PD. However, the evidence, although appealing, is still preliminary."

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Greater depressive symptoms, cognition, and markers of brain aging: Northern Manhattan Study

Since depressive symptoms are amenable to treatment, they are an attractive target for attenuation of cognitive dysfunction. In this study, elevated depressive symptoms were associated with episodic memory and markers of brain aging. The co-occurrence of depressive symptoms and cognitive aging may reflect common pathophysiologic underpinnings.

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Continued

Contemporary Issues

Financial relationships between neurologists and industry: The 2015 Open Payments database

The Centers for Medicare and Medicaid Services Open Payments (OP) program tracks financial relationships of drug and device manufacturers with implications for conflicts of interest. The authors performed a retrospective database analysis on the OP program; some incorrect entries were noted. Further studies are required to assess the effects of the OP program reporting on clinical care, education, and research.

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From editorialists Bernat & Swash: "As is true with all overdisclosure, by confounding trivial with serious payments, the program blurs its focus on publicizing and discouraging serious conflicts."

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NB: "Thrombolysis-resistant intracranial clot," p. 1075. To check out other NeuroImages, point your browser to Neurology.org/N. At the end of the issue, check out the Clinical/Scientific Note discussing a case of multiple system atrophy with predominant parkinsonism with putaminal hypointense MRI signal changes at the presymptomatic stage. This week also includes a Reflections: Neurology and the Humanities poem titled "Infantile spasms: A crescendo of anguish."

NEW EPISODE

June 5, 2018

CME Opportunity:

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Validation of a simple disease-specific, quality-of-life measure for diabetic polyneuropathy: CAPPRI

1. Featured Article: Validation of a simple disease-specific, quality-of-life measure for diabetic polyneuropathy: CAPPRI
2. Lesson of the Week: Functional disorders

This podcast begins and closes with Dr. Robert Gross, Editor-in-Chief, briefly discussing highlighted articles from the June 5, 2018, issue of *Neurology*. In the first segment, Dr. Alex Menze interviews Dr. Kelly Gwathmey about her paper on a new quality-of-life measure for diabetic polyneuropathy. For the second segment, Dr. David Lapidus speaks with Dr. Jon Stone about updates in approaching functional disorders in the clinic.

Disclosures can be found at Neurology.org/podcast.

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Spotlight on the June 5 issue

Robert A. Gross

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