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Notable in *Neurology* This Week

This issue features an article that compares the rate of remission associated with different surgical procedures for thymectomy in patients with myasthenia gravis; another describes the clinical, radiologic, and pathologic features of patients with Baló concentric sclerosis. A Historical Neurology article looks at the role of microbiologist Clarence Joseph Gibbs on the adoption and use of the “Creutzfeldt-Jakob disease” eponym.

Research Articles

Accuracy of a Deep Learning System for Classification of Papilledema Severity on Ocular Fundus Photographs

Patients with severe papilledema from raised intracranial pressure are at risk of permanent visual loss from optic atrophy. In this multicentric study, the authors developed a deep learning system that differentiates mild/moderate from severe papilledema on retinal photographs. This technology could help the evaluation of optic disc swelling due to raised intracranial pressure in settings where specialists are not available.

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MORE ONLINE

COVID-19 Resources

For the latest articles, invited commentaries, and blogs from physicians around the world

[NPub.org/COVID19](https://www.neurology.org/COVID19)

Parkinson Disease-Related Brain Metabolic Patterns and Neurodegeneration in Isolated REM Sleep Behavior Disorder

This article clinically validates the use of a Parkinson disease (PD) pattern on ^{18}F -fluorodeoxyglucose PET scans as a biomarker associated with progression to PD in patients with isolated REM sleep behavior disorder. This pattern on PET reflects prodromal features of PD and predicts phenoconversion.

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Contralateral Sensory and Pain Perception Changes in Patients With Unilateral Neuropathy

This study analyzed contralateral somatosensory profiles in unilateral painful and painless peripheral neuropathy, which displayed mirror image sensory loss and hyperalgesia. Mirror pin-prick hyperalgesia indicated central sensitization through descending facilitation, suggesting that descending facilitation of nociceptive processing through the spinal cord is a potential mechanism of pain amplification in humans.

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Continued

Effects of Age and Disease Duration on Excess Mortality in Patients With Multiple Sclerosis From a French Nationwide Cohort

This study found that, in patients with relapsing onset multiple sclerosis (MS), there was no excess mortality during the disease's first 10 years. But afterward, whatever the age at onset, excess death rates increased with current age until age 70. This suggests that current age has a stronger effect on MS mortality than disease duration.

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NB: "Neuro-Behçet Disease Manifesting as Multiple Cerebral Aneurysms," p. 191. To check out other NeuroImages, point your browser to [Neurology.org/N](https://www.neurology.org/N). At the end of the issue, check out the Resident & Fellow Section Teaching Video NeuroImage discussing hand cramps in a patient with focal neuromyotonia and another on the detection of aortic plaque mobility in cryptogenic stroke. This week also includes a Humanities in Neurology article titled "The Last Shot."

NEW EPISODE

Impact of the Surgical Approach to Thymectomy Upon Complete Stable Remission Rates in Myasthenia Gravis: A Meta-analysis (see p. 164)

In the first segment, Dr. David Lapidus talks with Dr. Winston Chiong about the updated AAN Position Statement on Ethical Considerations in Dementia Diagnosis and Care. In the second part of the podcast, Dr. Stacey Clardy discusses the impact of surgical approaches to thymectomy upon remission rates in myasthenia gravis with Dr. Joseph Shrager.

Disclosures can be found at [Neurology.org](https://www.neurology.org).

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Spotlight on the July 27 Issue

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