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.

Page 165

**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 phenocconversion.

Page 166

**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 pinprick 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.

Page 167

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.

Page 168

NB: "Neuro-Behçet Disease Manifesting as Multiple Cerebral Aneurysms," p. 191. To check out other NeuroImages, point your browser to 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."

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 Lapides 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.

CME Opportunity: Listen to this week’s Neurology® Podcast and earn 0.5 AMA PRA Category 1 CME CreditsTM by completing the online podcast quiz.
Spotlight on the July 27 Issue
José G. Merino
Neurology 2021;97:153-154
DOI 10.1212/WNL.0000000000012338

This information is current as of July 26, 2021

Updated Information & Services
including high resolution figures, can be found at:
http://n.neurology.org/content/97/4/153.full

Permissions & Licensing
Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at:
http://www.neurology.org/about/about_the_journal#permissions

Reprints
Information about ordering reprints can be found online:
http://n.neurology.org/subscribers/advertise

Neurology ® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright © 2021 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.