Articles

Dual Sensory Impairment and Cognitive Impairment in the Korean Longitudinal Elderly Cohort
This study investigated the effect of visual or auditory impairment or a combination of both on cognitive decline in Korean adults aged 60 years and older and found that participants with dual sensory impairment had a higher incidence of dementia over 6 years. The authors suggested that preventing visual and auditory impairments could delay cognitive decline.
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Plasma Neurofilament Light for Prediction of Disease Progression in Familial Frontotemporal Lobar Degeneration
Plasma neurofilament light chain (NfL) has prognostic value in familial frontotemporal lobar degeneration (f-FTLD). In 2 of the largest international clinical cohorts of f-FTLD, plasma NfL identified asymptomatic individuals at short-term risk of progression to symptomatic status. This blood test could support care planning and accelerate screening for f-FTLD prevention trials.
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Randomized Study of Metoclopramide Plus Diphenhydramine for Acute Posttraumatic Headache
Scant data are available to inform treatment of acute posttraumatic headache. In this study, IV metoclopramide + diphenhydramine proved more efficacious than placebo 1 hour after medication administration but did not provide sustained headache relief. In addition, patients who received the intervention had fewer postconcussive symptoms 1 week later. Results suggested that IV metoclopramide + diphenhydramine may be offered to patients with acute posttraumatic headache.
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Continued
Development of a Sensitive Diagnostic Assay for Parkinson Disease
Quantifying α-Synuclein–Containing Extracellular Vesicles

Simple and reliable biomarkers are needed for diagnosing Parkinson disease. The authors of this study used novel sensitive and rapid nanoscale flow cytometry assays to quantify CSF extracellular vesicles that were carrying total or aggregated α-synuclein. These assays demonstrated high-diagnostic accuracy, suggesting that rapid and accurate analysis of individual extracellular vesicles may significantly improve biomarker accuracy and utility.

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NB: “Pearls & Oysters: Eyes-Open Coma,” p. 864. To check out other Resident & Fellow Section Pearls & Oysters articles, point your browser to Neurology.org/N and click on the link to the Resident & Fellow Section. At the end of the issue, check out the Resident & Fellow Section Clinical Reasoning article discussing suspected botulism in a patient with shortness of breath and difficulty walking and the Teaching NeuroImages article on the migration of a paragonimus in the brain. This week also includes a Resident & Fellow Section Teaching Video NeuroImages article titled “Almost No Eye Movements to the Left.”

National Institute of Neurological Disorders and Stroke Consensus Diagnostic Criteria for Traumatic Encephalopathy Syndrome (see p. 848)

In the first segment, Dr. Alex Menze talks to Dr. Robert Stern about developing NINDS consensus diagnostic criteria for traumatic encephalopathy syndrome. In the second part of the podcast, Dr. Jason Crowell speaks with Dr. Adam de Havenon about 5-year cost trends and utilization of neurologist-prescribed drugs for Medicare Part D beneficiaries.

Disclosures can be found at Neurology.org.

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