Prospective Evaluation of Health Care Provider and Patient Assessments in Chemotherapy-Induced Peripheral Neurotoxicity

This prospective study found that it is feasible to reliably assess the peripheral neurotoxicity of anti-cancer treatments through patient questionnaires and nurse-assessed scales. The findings may be used to improve daily clinical practice and clinical trials that investigate chemotherapy-induced peripheral neurotoxicity, one of the most serious neurologic complications in patients with cancer.

Page 308

Association of Metabolic Syndrome and Its Components With Risk of Stroke Recurrence and Mortality: A Meta-analysis

Patients with metabolic syndrome have a higher risk of stroke recurrence. This meta-analysis of 13 cohort studies enrolling 59,919 participants over age 60 found that metabolic syndrome and its components were associated with stroke recurrence. Metabolic syndrome, but not any of its individual components, was associated with all-cause mortality.

Page 311

Recovery and Prediction of Bimanual Hand Use After Stroke

This study investigated predictors of bimanual hand use recovery after stroke. The Fugl-Meyer Assessment score, including rated shoulder abduction and finger extension, was the strongest overall predictor of both unimanual and bimanual motor recovery. Corticospinal tract damage and early sensory and cognitive impairment were also important predictors of bimanual recovery.

Page 312

Continued
Epidemiology of Epilepsy in Nigeria: A Community-Based Study From 3 Sites

This multisite, door-to-door survey estimated the prevalence, incidence, and risk factors of epilepsy in Nigeria. It identified variation in the estimates between sites, with higher estimates in northern Nigeria. This variability is likely driven by differences in risk factors and should instruct the deployment of measures to prevent epilepsy.

Page 314

From editorialists Patel and Birbeck: “[I]n addition to age-stratified prevalence and incidence data, some of the most important findings of this study are the insights provided into population-based risk factors for epilepsy…”

Page 305


To check out other Resident & Fellow Section Training in Neurology 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 NeuroImages article discussing noncirrhotic congenital portosystemic shunts causing hyperammonemic encephalopathy. This week also includes a Resident & Fellow Section Teaching Video NeuroImage titled “Shedding Light on Sunflower Syndrome.”

NEW EPISODE

Patient Perceptions of FDA Approval: Gaps in Education or Variation in Values? (see the August issue of Neurology® Clinical Practice)

In the first segment, Dr. Jason Crowell talks with Dr. Paul Ford about patient perceptions of the FDA approval process for disease-modifying therapies in people living with multiple sclerosis. In the second part of the podcast, Dr. Teshame Monteith discusses the management of cerebral aneurysm with Dr. Dileep Yavagal in the third installment of our four-part series on thunderclap headache.

Disclosures can be found at Neurology.org.

No CME this week: Interviews based on articles from Neurology: Clinical Practice, Neurology® Genetics, and Neurology® Neuroimmunology & Neuroinflammation are excluded from the CME program.