

José G. Merino, MD, MPhil, Editor-in-Chief, *Neurology*[®]

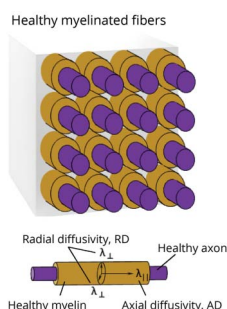


Notable in *Neurology* This Week

This issue features an article that investigates the roles of cerebrovascular collaterals in children with stroke; another explores how physical activity affects the association of air pollution with brain volume. A featured Special Article examines ethical considerations for the use of aducanumab to treat Alzheimer disease.

Research Articles

Microstructural Periventricular White Matter Injury in Post-hemorrhagic Ventricular Dilation



In a cohort of very preterm infants, diffusion basis spectrum imaging (DBSI) showed that infants with post-hemorrhagic hydrocephalus (PHH) had more severe white matter abnormalities than infants with high-grade intraventricular hemorrhage without hydrocephalus and infants without hemorrhage. DBSI may be used as to investigate the effects of PHH on brain development.

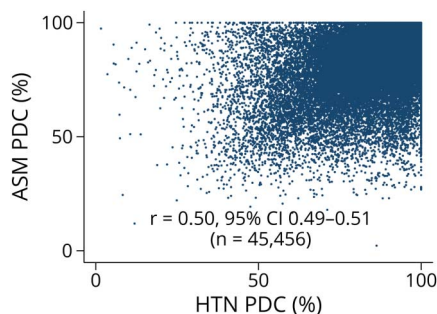
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Clinical and Genetic Characteristics in Young, Glucocorticoid-Naive Boys With Duchenne Muscular Dystrophy

This large study of young treatment-naive boys with Duchenne muscular dystrophy (DMD) found that motor and speech delays were common presenting symptoms. A low threshold for creatine kinase testing may facilitate earlier diagnosis. Understanding early presentation of DMD is important for diagnosis and clinical trial design.

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Adherence to Antiseizure vs Other Medications Among US Medicare Beneficiaries With and Without Epilepsy



Nonadherence to medications is a modifiable aspect of neurologic care. Multilevel models demonstrated that among patients with epilepsy, half of variation in adherence across 6 medication classes was due to between-person rather than between-medication differences. Patient-level rather than purely medication-specific behaviors are critical to consider when developing interventions to optimize adherence.

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Continued

Contemporary Issues in Practice, Education, & Research

Effects of Fragmentation and the Case for Greater Cohesion in Neurologic Care Delivery

This study identified fragmentation of care as an important challenge in medicine and highlights several trends that contribute to it: changes in the workforce, shifts in health care delivery, costs of care, changes in evidence-based care, and patient factors. An innovative team model, billing and coding practices that promote a cohesive care team, research that fosters cohesion of care, and dissemination of these practices nationally are needed to overcome the challenge of fragmentation in neurologic care delivery.

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NB: "A 31-Year-Old Man With Sequential Vision Loss," p. 163. To check out other Resident & Fellow Section Clinical Reasoning articles, point your browser to [Neurology.org](https://www.neurology.org) and click on the link to the Resident & Fellow Section. At the end of the issue, check out the Resident & Fellow Section Future of Neurology & Technology article discussing the use of stereo-electroencephalography to examine the spatial and temporal dynamics of epileptic activity. This week also includes a Resident & Fellow Section Teaching NeuroImage titled "Pontine Owl-Eyes Lesions in a Case of Neuroborreliosis."

NEW EPISODE

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Spotlight on the January 25 Issue
José G. Merino
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