

A Journey through the different areas of neurology

In this issue, the Revista Brasileira de Neurologia presents eight articles that reflect key aspects of contemporary neurological practice in Brazil.

Immune-mediated and demyelinating disorders are explored from clinical and population perspectives, including a case reported by Lima et al. of MOG-antibody-associated disease presenting as acute disseminated encephalomyelitis and a national analysis by Carvalho et al. of multiple sclerosis hospitalizations within the Brazilian Unified Health System (Sistema Único de Saúde – SUS).

Amorim et al. describe an underrecognized condition, dopa-responsive dystonia (DRD), associated with GCH1 mutations, as confirmed by a rare DRD-related gene variant. The authors underscore the importance of clinical suspicion of this condition and emphasize the need to assess non-motor features in DRD (which is generally neglected).

Potentially reversible conditions remain clinically relevant, as highlighted by Santos et al., in their report on subacute combined degeneration of the spinal cord due to vitamin B12 deficiency, emphasizing the need for timely diagnosis.

Vasconcellos emphasizes the importance of a careful neurological examination in patients with hemifacial spasm (HFS) to determine whether neuroimaging is mandatory or not. In this case report, a central nystagmus was documented in a patient with HFS, and magnetic resonance imaging revealed a Chiari type I malformation, an extremely rare cause of HFS.

Therapeutic advances are exemplified by a systematic review by Fonseca et al. on fremanezumab for migraine prevention and a narrative review by Leite et al. on virtual reality-based rehabilitation in children with cerebral palsy, illustrating innovation in both pharmacological and non-pharmacological care.

Finally, an analysis by Carvalho et al. of reperfusion therapies for acute ischemic stroke highlights the expansion of thrombolysis and mechanical thrombectomy in Brazil, while revealing persistent regional inequities.

Together, the articles in this issue illustrate the multidimensional scope of modern neurology, integrating clinical care, research, innovation, and public health.

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