

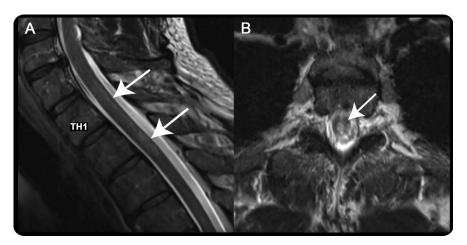
Section Editor Mitchell S.V. Elkind, MD, MS

spinal cord involvement Figure Spinal MRI 1 week after symptom onset

Teaching Neuro*Images*:

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Variant of Guillain-Barré syndrome with

MRI of the spine demonstrates longitudinal (A, sagittal plane) T2 hyperintensities (C7/T1 to T3) affecting the dorsal columns more than the lateral columns (B, axial image at the level of T2).

A 48-year-old man presented with ascending sensory deficits over 12 hours, followed by urinary retention. He had areflexia, mild lower extremity weakness, sensory ataxia, and a T2 sensory level. Smooth pursuit was impaired, but cranial nerves were otherwise normal. Diagnostic evaluation demonstrated CSF cytoalbuminologic dissociation and demyelinating polyneuropathy fulfilling the electrodiagnostic criteria for Guillain-Barré syndrome (GBS).1 Laboratory evaluation had normal results, including vitamin B₁₂; antineuromyelitis optica, antineuronal, and ganglioside antibodies; and oligoclonal bands. Myelopathy was confirmed on MRI (figure). This case highlights that acquired acute demyelination may rarely affect the peripheral and CNS simultaneously syndrome), (GBS-transverse myelitis overlap likely related to common autoimmune-mediated pathomechanisms.2

AUTHOR CONTRIBUTIONS

Dr. C. Gächter: drafting of manuscript and analysis/interpretation of general neurologic findings. Dr. J. Petersen: interpretation of electroneurography findings, critical revision of the manuscript for important intellectual content. Dr. U. Schwarz: analysis and interpretation of clinical findings. Dr. A. Pangalu: analysis and interpretation of MRI. Dr. A. Tarnutzer: analysis and interpretation, study supervision, critical revision of the manuscript for important intellectual content.

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DISCLOSURE

The authors report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

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Teaching Neuro Images: Variant of Guillain-Barré syndrome with spinal cord involvement

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