A 58-year-old woman presented with subacute onset of tetraparesis, anarthria, and dysphagia after rapid correction of hyponatremia caused by repeated vomiting. Brain MRI showed pontine and extrapontine lesions typical for the osmotic demyelination syndrome (figure, A and B). The pontine lesion showed nonhomogeneous contrast enhancement (figure, C), which diminished after 15 days (figure, D). Based on the MRI findings of enhancement, IV methylprednisolone was started, and there was improvement of her clinical condition. Besides the typical MRI abnormalities, our patient showed pontine contrast enhancement, which is uncommon and may suggest an inflammatory mechanism or breakdown of the blood-brain barrier due to specific vulnerability of endothelium in the acute phase of the disease.
AUTHOR CONTRIBUTIONS

Dr. Juergenson: conception of the study; writing of the first draft. Dr. Zappini: conception of the study; writing of the first draft. Dr. Fiaschi: review and critique. Dr. Tonin: review and critique. Dr. Bonetti: conception of the study; review and critique.

DISCLOSURE

Dr. Juergenson, Dr. Zappini, Dr. Fiaschi, and Dr. Tonin report no disclosures. Dr. Bonetti serves on the editorial board of The Journal of Neuropathology and Experimental Neurology and receives research support from the Fondazione Italiana Sclerosis Multipla.

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