A 27-year-old woman presented with headache, weakness, and numbness in both lower extremities for 2 weeks. Two years ago, she had refractory hiccups and vomiting with associated area postrema lesions on MRI (figure, A–C). Workup for infectious disease was negative. Serum aquaporin-4–immunoglobulin G was positive. Recent MRI showed cortical damage adjacent to the cerebral falx with leptomeningeal enhancement (figure, D–F).
Treatment with immunoglobulin and high-dose methylprednisolone produced a significant improvement of the symptoms and the follow-up MRI (figure, G–I). This patient’s case is unusual, as neuromyelitis optica spectrum disorders rarely involve the cortex and pia mater.¹,²

**Author contributions**
Dr. Sun: conception, design, and writing the first manuscript.  
Dr. Wu: critical revision of manuscript for intellectual content and study supervision.

**Study funding**
No targeted funding reported.

**Disclosure**
The authors report no disclosures relevant to the manuscript.  
Go to Neurology.org/N for full disclosures.

**References**
Teaching NeuroImages: Cortical damage with leptomeningeal enhancement in neuromyelitis optica spectrum disorder
Hui Sun and Lei Wu
Neurology 2018;91;e1087-e1088
DOI 10.1212/WNL.0000000000006161

This information is current as of September 10, 2018

Updated Information & Services
including high resolution figures, can be found at:
http://n.neurology.org/content/91/11/e1087.full

References
This article cites 2 articles, 0 of which you can access for free at:
http://n.neurology.org/content/91/11/e1087.full#ref-list-1

Citations
This article has been cited by 1 HighWire-hosted articles:
http://n.neurology.org/content/91/11/e1087.full##otherarticles

Subspecialty Collections
This article, along with others on similar topics, appears in the following collection(s):
All Headache
http://n.neurology.org/cgi/collection/all_headache
Devic's syndrome
http://n.neurology.org/cgi/collection/devics_syndrome
MRI
http://n.neurology.org/cgi/collection/mri
Optic neuritis; see Neuro-ophthalmology/Optic Nerve
http://n.neurology.org/cgi/collection/optic_neuritis
Transverse myelitis
http://n.neurology.org/cgi/collection/transverse_myelitis

Permissions & Licensing
Information about reproducing this article in parts (figures,tables) or in its entirety can be found online at:
http://www.neurology.org/about/about_the_journal#permissions

Reprints
Information about ordering reprints can be found online:
http://n.neurology.org/subscribers/advertise