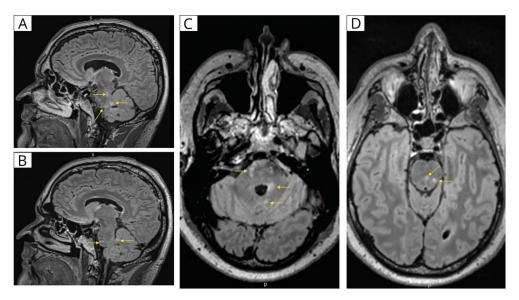
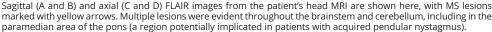
Teaching Video NeuroImage: Dramatic Response to Topiramate in Acquired Pendular Nystagmus From Multiple Sclerosis

Olwen C. Murphy, MBBCh, MD, MRCPI, Peter A. Calabresi, MD, and Daniel R. Gold, DO *Neurology*[®] 2023;100:47-48. doi:10.1212/WNL.000000000201452

Correspondence Dr. Gold dgold7@jhmi.edu

Figure MRI Brain Findings





A 41-year-old man with MS (Figure) experienced debilitating oscillopsia secondary to acquired pendular nystagmus (APN). Treatment with gabapentin and memantine (used individually and then in combination) were mildly effective, but he reported that the oscillopsia reduced dramatically after alcohol consumption. Given responsiveness to alcohol is a feature of essential tremor, we tried a similar therapeutic approach. Propranolol was ineffective, but topiramate 50 mg twice daily resulted in a dramatic improvement in oscillopsia and APN (Video 1). Gabapentin and memantine are commonly used treatments for APN,¹ but understanding specific alleviating factors may shed light on pathophysiology and lead to novel therapeutic strategies.

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Teaching slides http://links.lww.com/ WNL/C418

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From the Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD.

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Appendix Authors		
Name	Location	Contribution
Olwen C. Murphy, MBBCh, MD, MRCPI	Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD	Drafting/revision of the manuscript for content, including medical writing for content; study concept or design; analysis or interpretation of data

Name	Location	Contribution	
Peter A. Calabresi, MD	Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD	Drafting/revision of the manuscript for content, including medical writing fo content; study concept or design	
Daniel R. Gold, DO	Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD	Drafting/revision of the manuscript for content, including medical writing for content; study concept or design	

Reference

 Nerrant E, Abouaf L, Pollet-Villard F, et al. Gabapentin and memantine for treatment of acquired pendular nystagmus: effects on visual outcomes. J Neuroophthalmol. 2020; 40:198-206. doi: 10.1097/WNO.000000000000807.

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