

Neurology[®]

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Resident & Fellow Section Teaching Neurolmage (or Teaching Video Neurolmage)

**A 21-Year-Old Woman with post COVID-19 neuro-neuro-
ophthalmic finding.**

Vignette

- A 21-year-old woman developed diplopia, rhinolalia, and imbalance three weeks after COVID-19.
- On neurological examination, she presented left mydriasis, mild bilateral lateral rectus palsy, horizontal gaze-evoked, eyelid nystagmus (Video 1), generalized hyporeflexia, ataxic gait that were consistent with Miller-Fisher Syndrome (MFS).
- GQ1b antibodies were positive.
- Despite immunoglobulin therapy, the patient developed respiratory failure requiring mechanical ventilation.
- The symptoms improved over the succeeding days.

Imaging

Insert imaging here

**IF VIDEO NEUROIMAGE, EMBED VIDEO
(NOT SCREENSHOT)**



An uncommon neuro-ophthalmic finding in a patient presenting with Miller-Fisher syndrome and past SARS-CoV-2 infection.

- MFS has been associated with COVID-19, but this is the first case with positive GQ1b antibodies.¹
- Eyelid nystagmus is an intermittent upward jerking of eyelids associated with posterior fossa lesions, that can also be present in MFS.²