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

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



Costa A. et al.



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.

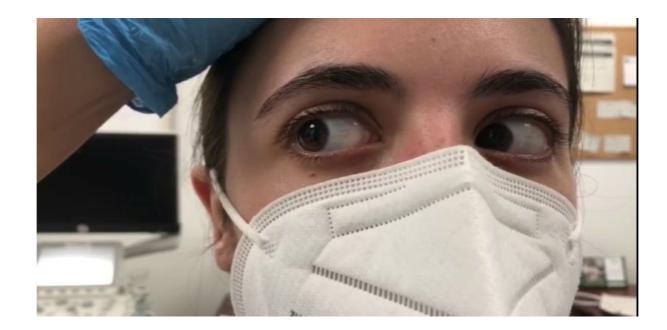


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IF VIDEO NEUROIMAGE, <u>EMBED</u> VIDEO (NOT SCREENSHOT)



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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

