

Catatonia is a neuropsychiatric complication of COVID-19 which typically responds to lorazepam treatment.

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Background/Significance

- At least seven cases of catatonia associated with coronavirus disease 2019 (COVID-19) have been reported.
- We present **three additional cases** of COVID-19-associated catatonia. →

Discussion

- These cases add to our growing knowledge of COVID-19-associated catatonia.
- Notably, we believe that we have presented the second case of delayed-onset catatonia following COVID-19 infection, highlighting yet another potential long-term sequela of COVID-19.
- A possible mechanism is COVID-induced hyperinflammation impairing GABAergic transmission in the basal ganglia, which correlates with the beneficial effects seen with lorazepam (a GABA agonist).
- Coupled with previous data showing catatonia is underrecognized in both psychiatric and general medical settings, and that catatonic features were prominent in previous post-pandemic neuropsychiatric syndromes such as encephalitis lethargica, there is cause for concern that the burden of COVID-19 catatonia may be significant and underestimated.

References

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