

TRANSIENT GLOBAL AMNESIA AS A POSSIBLE MANIFESTATION AFTER COVID-19 INFECTION. CLINICAL CASES

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Introduction:

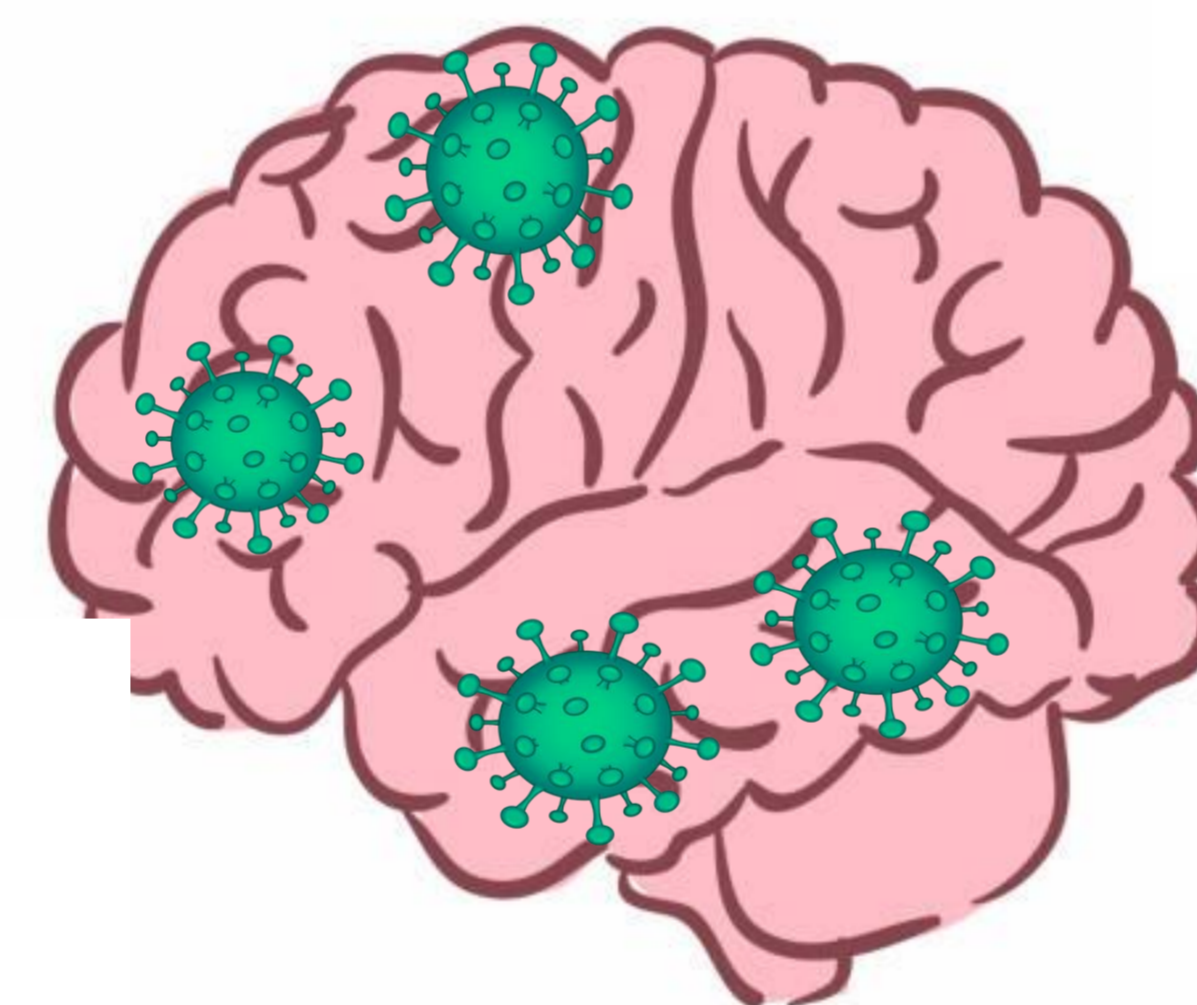
Since the beginning of the COVID-19 pandemic, an increasing number of patients with Transient Global Amnesia (TGA) was attested in neurological emergency departments [1,2].

However, there is limited data on the mechanism of TGA linked with COVID-19, in the convalescence period.

Material and methods: 2 clinical cases of TGA, manifested during the convalescence period of the COVID-19 infection.

Purpose: To analyze the possible linkage between SARS-CoV-2 infection and TGA in two patients, during the convalescence state.

Results



Case no. 2
A 68-year-old man with TGA, 4 months after a severe COVID-19 pneumonia. Fronto-temporal, bilateral, cerebral atrophy was established on brain MRI.

Case no. 1
A 62-year-old man, that suffered a mild form of COVID-19 infection in February 2021, he presented an episode of TGA within one month. Brain MRI was normal.



Fig. 1 EEG - slow polymorphic activity in the bilateral temporo-frontal cortical areas, predominantly on the right



Fig.2 EEG showed no changes.

Conclusions: Novel coronavirus may be implicated in possible pathophysiological mechanisms, involving the frontal and temporal lobes, which might trigger TGA. Further studies are required.

References

1. Werner, R., Keller, M. & Woehrl, J.C. Increased incidence of transient global amnesia during the Covid-19 crisis?. *Neurol. Res. Pract.* 2, 26 (2020).
2. Hussein HM. Transient Global Amnesia as a Possible First Manifestation of COVID-19. *The Neurohospitalist.* 2021;11(1):84-86.

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