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The Central nervous system lymphatic drainage in Neurocysticercosis: Systematic review and novel hypotheses

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Background: On November 24, 2021, the omicron (B.1.1.529) variant of SARS-CoV-2 was first reported to WHO from this country. Whether the association of omicron (Om) variant of concern (VoC), neurocysticercosis, and cerebellar atrophy (CA) in peoples living with HIV/AIDS (PLWHA) is actual or fictitious, require to be investigated and what is the most probable pathogenesis of SARS-CoV-2 mutation deserved to be analyzed.

Method: We performed a comprehensive search of publications on PLWHA/NCC/CA/COVID-19-Omwritten in English, Spanish, and Portuguese.

Results: Forty-five cases presented COVID-19 and cerebellar manifestations, mainly cerebellar ataxia with a mean age of 54.3 ± 12.3 years, were identified. No patients presenting an associated HIV/AIDS/NCC/Om VoC were found.

Comments and Conclusions: We considered theca in our patient is secondary to prolonged consumption of antiepileptic medication. The current fourth wave of COVID-19 is heralded by the Om VoC, which is speedy spreading worldwide, suggesting it has a growth advantage. In our opinion, those fully vaccinated infected by Om, after recovery from their "Flu", will remain super immunized, which will probably be the beginning of the end of the current pandemic. Seems to be that SARS-CoV-2 Om VoC does not cause additional injuries on patients presenting NCC/HIV/AIDS/CA. The role of SARS-CoV-2 speedy the mechanism of T cell exhaustion and its capacity to diminish the production of INF γ , IL-2, and TNF α must not be ignored in future medical research. As far we know, it is the first report on PLWHANCAOm reported in the medical literature up to date.

Recent Publications

1. Lourdes d F I V, Humberto F S. Case Report and Literature Review: COVID-19 and status epilepticus in Dyke-Davidoff-Masson syndrome [version 1; peer review: 2 approved]
2. Lourdes d F I V, Humberto F S. Case Report: Neuroleptic malignant syndrome in a HIV-positive patient [version 2; peer review: 2 approved]
3. Lourdes d F I V, Humberto F S. Case Report: Thalamomesencephalic stroke in a patient with HIV [version 3; peer review: 1 approved, 1 not approved]
4. Lourdes d F I V, Humberto F S. Psychogenic Nonepileptic Seizures in Patients Living with Neurocysticercosis

Biography

Lourdes de Fatima Ibanez Valdes was born on October 13, 1963 in Havana City, Cuba. She graduated as a Medical Doctor from Havana University in 1998. She is also a specialist in family medicine, has her MSc in neuro-infectology, and is an aggregated scientist researcher at the Cuban Academy of Sciences. Currently she works for Department of Neurology at Walter Sisulu University, Nelson Mandela Academic Central Hospital in Mthatha, Eastern Cape Province, South Africa where she is the Head of Epilepsy and NCC-clinic.

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