

Peer Review

Review of: "COVID-19 and Alzheimer's disease, closely related?"

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Very well and thoroughly written commentary on Alzheimer's disease and COVID-19 severity associated with risks of developing the neuropsychiatric symptoms and dementia. Authors have made good efforts to discuss some important factors associated with objectives of the subject. I am offering some minor improvements to be made, especially in paragraph 1 and 2.

Paragraph 1: "Alzheimer's disease..... disease." Viruses from *Herpesviridae* family are to be elaborated fully as, Herpes Simplex 1&2, Varicella -Zoster, Cytomegalovirus etc., besides the influenza and hepatitis viruses are also responsible to induce the production of amyloid proteins. (Note: Please try to rewrite the paragraph 1).

Paragraph2: Neuropsychiatric sphere: It is imperative to mention the important symptoms of neuropsychiatric manifestations which have been discovered contributing to the related disease during long COVID. (Note: Authors might like to alter these sentences for specific explanations in terms of symptoms)

Sars Cov2 – Please correct this abbreviation as SARS -CoV-2.

LOAD: Full form of this abbreviation.

Last three lines in the paragraph 2: "At pathway level..... COVID-19." Please rework on these sentences again.

Declarations

Potential competing interests: No potential competing interests to declare.