

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

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First of all, this article is quite remarkable.

Emphasis is placed on the increase in the presence of neurological diseases after infection, with the emergence of the Covid-19 infection by the neuronal connection of cell entry receptors.

Although its molecular mechanism is not fully elucidated, covid-19 and Alzheimer-dementia are linked in cell pathophysiology. However, there are some important issues that can be discussed here. For example;

Could Covid-19 be caused by cell signaling, triggering a predisposition to Alzheimer's-demas in brain cells? Could epigenetic factors lead to protein misfolding, unwanted modifications, genetic polymorphisms of neurological diseases, mutations and infection-receptor binding relationship? Because the incidence of neurological damage due to covid-19 is quite low compared to the general population.

Does Covid-19 trigger the molecular state of the cell and bring about the physiological findings of alzheimer-dementia?

To what extent are the symptoms of Alzheimer's-dementia seen?

In addition, there are cases of covid-19-related multiple sclerosis, neuropathies and even the presence of neuropsychiatric diseases. It is interesting that these diseases, which have many different pathophysiology and epidymiology, have common markers such as ACE2 receptor and apolipoprotein E (APOE) genotype.