

Review of: "The $\alpha 7$ Nicotinic Acetylcholine Receptor: a Key Molecule in Post-COVID Syndrome?"

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Potential competing interests: No potential competing interests to declare.

The current review written by Skok postulates that the $\alpha 7$ Nicotinic Acetylcholine Receptor is a crucial molecule during the process of infection of COVID-19 since that SARS-Cov-2 S-protein fragment 674-685 possesses a homology with $\alpha 7$ -specific ligands. It further postulates that the delayed PASC symptoms can be stimulated by $\alpha 7$ -specific antibodies of anti-idiotypic origin and the author proposes that drugs that both neutralize such antibodies and additionally stimulate $\alpha 7$ nicotinic acetylcholine receptors could treat the PASC symptoms.

Overall I see that the hypothesis in this review is logic.

The paper is very well written with no major English mistakes

I recommend it to be accepted for publication