

Review of: "Factors influencing variable symptoms of COVID-19 patients and proposed revision of public policy for COVID-19 vaccination"

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Potential competing interests: No potential competing interests to declare.

The manuscript presented for review shows a possible explanation for the different severity of COVID-19 infection – a question of great importance for public health during the last three years. It is a short paper with a well-organized table. However, I have the following critical comments about the manuscript.

- It is unclear what the type of the article is. When reading the title and the Abstract the reader could assume that specific factors would be discussed, as well as experimental evidence would be provided. But in fact, it is a sort of review (but neither a systematic nor a scoping review), which discusses the immune response against viral pathogens rather than the specific immune reactions against SARS-CoV-2. Please, define the type of this work.
- All of the information presented is true but very general and simplified. It could be related to any pathogen. Please, add more specific and novel information about SARS-CoV-2.
- Also, set your purpose clearly. The title declares "proposed revision of public policy for COVID-19 vaccination". However, it is impossible to change the vaccination policy as we cannot distinguish the different receptor types and MCH classes in everyone in the general population.
- Please, mention the limitations of this perspective. How your hypothesis could explain the different severity of consecutive infections in one person? Or the different severity of the different variants of the virus?