

Review of: "Qualitative Analysis of a Time-Delay Transmission Model for COVID-19 Based on Susceptible Populations With Basic Medical History"

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Potential competing interests: No potential competing interests to declare.

This paper presents a time-delay transmission model for COVID-19 based on the SEIR epidemic model. The authors introduce time delay and analyze the basic reproduction number of the transmission model. Numerical simulations are conducted to validate the theoretical findings.

However, there are a few points that could be further addressed:

1. Why the author introduce time delay into the model? Are there assumptions or actual data to support the introduction of delay into the model?
2. In order to increase the readability of the article, the author needs to give a more detailed explanation of model(2).
3. The author's English needs to be carefully revised, and many minor mistakes need to be corrected.
4. The font size and format should be consistent, such as "the equation can be deformed into:" in page 7.
5. The numerical simulation in this paper needs more explanation and explanation, and it is better to have the support of actual data.