

## 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.

- 1. In page 4 the sentence : "Obviously  $\Omega$  is the positive invariant set of system (3)", must be justified
- 2. In page 6 the last equality in expression of  $f\left(\frac{A}{d}\right)$  is wrong.
- 3. In page 9 the sentence "the characteristic equation of the system at is as follows", must be rectified.
- 4.  $E_0$  is not written correctly in Theorem 5 (see page 11).
- 5. The same previous remark on page 12.
- 6. The sentence "The characteristic equation of system (3) at e0 is as follows" should be replaced by: The characteristic equation of system (3) at *E*\* is as follows (see the proof of Theorem 6)