

Review of: "Mathematical model analysis and numerical simulation for codynamics of meningitis and pneumonia infection with intervention"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

While the idea of the manuscript is a good one from both the mathematical and epidemiological standpoints, the title is too long and here is a more concise title "A mathematical model of the co-dynamics of meningitis and pneumonia with intervention.

Abstract.

1. The authors carelessly used both present and past tenses.
2. The $\max(9,11) = 9$ is surprising and this has been overlooked by the reviewers and editor, as well as the editorial office

There are numerous typos, grammar, syntax and semantics issues. For example, "Co-infected is the process of infection of a single ..." should be "Co-infection is the process of infection of a single" because co-infected refers to individuals dually infected by two diseases.

In a nutshell, though this manuscript is published in a prestigious journal, it is poorly written. The discussion, conclusion and recommendations are all over the place, and not tailored to this specific study. This might be due to the fact that we learnt nothing new that we did not know before (see Tilahun <https://doi.org/10.1186/s13662-019-2087-3>; <https://doi.org/10.1155/2019/2658971>) besides the seemingly new model of the co-infection of meningitis and pneumonia, with the addition of vaccination as an intervention strategy.