

Review of: "Misdiagnosis of Dengue Fever as Malaria and Typhoid Fever and Their Co-infection in Rural Areas of Southwest Nigeria"

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Potential competing interests: No potential competing interests to declare.

The authors have tried to raise an important issue of misdiagnosis of Dengue in highly endemic areas, with the example of confounding infectious fever etiologies like malaria and typhoid. However, the study design has not been able to justify the intent of the authors.

There are major issues, some of which are mentioned below:

1. The aim of identifying misdiagnosis in an endemic area is not new. It is a clinically established issue. The authors should review articles related to it and suggestions provided to overcome this.
2. Abstract: It does not mention the objective of the study, it provides insufficient information regarding the study design, tests run have not been mentioned, the conclusion lacks novel recommendations.
3. Introduction: The authors have presented an elaborate introduction; however, it might be better to classify it as: 1. What is known? 2. What is unknown? and 3. How does the study add through its objective?
4. Methods: Please consider a similar study as a model to identify misdiagnosis in a similar population
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6863422/>
5. Results: The figures and tables are repetitive. Please consider adding tables on which the chi-square tests mentioned to have had significant results were run. Please consider rechecking the direction of association before concluding the significance.
6. The discussion section lacks relevance. There is epidemiologically prevalent data which is reproduced in this study.