

**Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Biochemistry, Genetics and Molecular Biology</a>
Manuscript Number:	Ms_AJBGMB_87726
Title of the Manuscript:	THE DEMOGRAPHICAL PREVALENCE OF MALARIA IN PREGNANT WOMEN IN OSHIMILI SOUTH LOCAL GOVERNMENT AREA OF DELTA STATE
Type of the Article	Original Research Article

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajbgmb.com/index.php/AJBGMB/editorial-policy> )

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**PART 1:** Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	<p>Good day,</p> <p>I will like to start by appreciating the authors for their contributions to public health.</p> <p><b>Abstract:</b></p> <ul style="list-style-type: none"><li>- Should start with a brief background,</li><li>- the use of a paired sample t-test is in appropriate,</li><li>- the prevalence should carry 95% CI,</li><li>- the validity of microscopy compared to PCR (gold standard) should include sensitivity, specificity, PPV, NPV, LH+, LH-, AUC</li><li>- this study requires a Multivariable logistic regression analysis to control for confounders</li><li>- the recommendation of mandatory tests is already existent</li><li>- PCR should be included in the keywords</li></ul> <p><b>Background</b></p> <ul style="list-style-type: none"><li>- Check the reference (Rogerson et. Al., 2018)</li><li>- The background should include the rationale of the study</li></ul> <p><b>Methodology</b></p> <ul style="list-style-type: none"><li>- What motivated your choice of the study area</li><li>- Why the choice of 3 hospital out of how many??????</li><li>- Use probability proportionate to size to allocate the samples for the 3 hospital.</li><li>- Eligibility: please split into inclusion and exclusion criteria</li><li>- What sampling technique did you use for the pregnant women? Systematically is not a sampling technique</li><li>- Remove the genotyping from the methodology since there was no speciation in the results or better still add the speciation in the results.</li><li>- Ethically: include consent, add how the blood sample will be conserved and destroyed.</li></ul>	<p>Correction effected</p> <p>Revised accordingly</p> <p>Done</p> <p>Noted and revised</p> <p>Done already in the text</p> <p>OK</p>

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	<ul style="list-style-type: none"><li>- Correlation does not apply for categorical variables, it does with continuous variables.</li><li>- Logistic regression should be used to identify the independent variables associated with MiP.</li><li>- How many samples did you select for PCR??????</li><li>- Sensitivity, Specificity, PPV, NPP, LH-, LH+ and AUC</li></ul> <p><b>Results</b></p> <ul style="list-style-type: none"><li>- Please start with socio-demographic and obstetric data of the participants</li><li>- Prevalence in a pie chart, 95% CI</li><li>- Bivariate analysis table</li><li>- Multivariate logistic regression</li><li>- Table: Sensitivity, Specificity, PPV, NPP, LH-, LH+, AUC</li><li>- ROC Curve</li></ul> <p><b>Discussion</b></p> <ul style="list-style-type: none"><li>- Good</li></ul> <p><b>Recommendations</b></p> <ul style="list-style-type: none"><li>- Toward the group that is more likely to have MiP</li><li>- Care in interpreting microscopy results</li><li>- Use of PCR in future</li></ul>	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</b>
<b>Are there ethical issues in this manuscript?</b>	<p><u>(If yes, Kindly please write down the ethical issues here in details)</u></p> <p>None, need to explain issues with consent, privacy, confidentiality, how the blood will be managed etc</p>	