

Review Form 1.6

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
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.
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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>Abstract:</p> <ul style="list-style-type: none">- Should start with a brief background,- the use of a paired sample t-test is in appropriate,- the prevalence should carry 95% CI,- the validity of microscopy compared to PCR (gold standard) should include sensitivity, specificity, PPV, NPV, LH+, LH-, AUC- this study requires a Multivariable logistic regression analysis to control for confounders- the recommendation of mandatory tests is already existent- PCR should be included in the keywords <p>Background</p> <ul style="list-style-type: none">- Check the reference (Rogerson et. Al., 2018)- The background should include the rationale of the study <p>Methodology</p> <ul style="list-style-type: none">- What motivated your choice of the study area- Why the choice of 3 hospital out of how many?????- Use probability proportionate to size to allocate the samples for the 3 hospital.- Eligibility: please split into inclusion and exclusion criteria- What sampling technique did you use for the pregnant women? Systematically is not a sampling technique- Remove the genotyping from the methodology since there was no speciation in the results or better still add the speciation in the results.- Ethically: include consent, add how the blood sample will be conserved and destroyed.- Correlation does not apply for categorical variables, it does with continuous variables.- Logistic regression should be used to identify the independent variables associated with MiP.	

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	<ul style="list-style-type: none">- How many samples did you select for PCR?????- Sensitivity, Specificity, PPV, NPP, LH-, LH+ and AUC <p>Results</p> <ul style="list-style-type: none">- Please start with socio-demographic and obstetric data of the participants- Prevalence in a pie chart, 95% CI- Bivariate analysis table- Multivariate logistic regression- Table: Sensitivity, Specificity, PPV, NPP, LH-, LH+, AUC- ROC Curve <p>Discussion</p> <ul style="list-style-type: none">- Good <p>Recommendations</p> <ul style="list-style-type: none">- Toward the group that is more likely to have MiP- Care in interpreting microscopy results- Use of PCR in future	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<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>	

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