

Review Form 3

Journal Name:	International Research Journal of Gastroenterology and Hepatology
Manuscript Number:	Ms_IRJGH_122781
Title of the Manuscript:	Malaria Parasitaemia Severity and Oxidative Stress Markers in Patients Attending Rivers State University Teaching Hospital, Port Harcourt
Type of the Article	Original Research Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>Malaria is an important disease, that has a high mortality rate, and also greatly affects children and pregnant women. It is therefore important to continue to research on the disease. And this research is important as it attempts to improve understanding of oxidative stress in malaria patients through the evaluation of oxidative stress markers in a different population. The research tries to offer valuable insights into the intricate relationship between oxidative stress and malaria parasitaemia.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>YES, THE TITLE IS SUITABLE</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<ul style="list-style-type: none"> • The abstract is comprehensive enough. • However, the statement "Malaria treatment normalized all markers within 1-8 months, except which remained significantly elevated in subjects with a history of malaria within 9-12 months" is missing something, author may wish to complete the sentence • The conclusion written in the abstract does not mirror the conclusion written in the main body of the work. Author may wish to harmonize the conclusions. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes, subsections are satisfactory</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>I find the study to be scientifically sound and robust due to the following.</p> <ul style="list-style-type: none"> • It provides a well-defined research question that contributes to the understanding of malaria pathogenesis. • The use of standardized methods for measuring oxidative stress markers and the inclusion of control groups enhances the study's reliability. • The sample size of 118 participants is generally sufficient for this type of study, providing adequate statistical power. • The statistical methods employed (one-way ANOVA, t-tests, Pearson's correlation) are appropriate for analysing the data and assessing statistical significance. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<ul style="list-style-type: none"> • References as cited are recent enough • References are not sufficient, as methodologies relating to ELISA were not included. For the determination of SOD, TAS and TOS. 	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>YES</p>	
<p>Optional/General comments</p>	<p>The authors may wish to improve the manuscript, in the following ways:</p> <ul style="list-style-type: none"> • In section 2.6, state the model of centrifuge used • In the discussion section, the authors suggested that their finding differ from that of previous studies by other researchers, but the authors failed to suggest why their own results differ from that of other previous studies. <p>For example, one of the previous studies referenced is by Ebrahim et al., 2019, who says that their own studies agrees with previous studies and adduced reason who the oxidative stress marker increased significantly by saying “The normal host resistance system recruits phagocytes (macrophages and neutrophils) that secrete large amounts of ROS and reactive nitrogen species (RNS), causing an imbalance between oxidizing species and tissue antioxidants. This disturbance is believed to trigger oxidative stress in malaria prompting the death of the parasites”</p> <p>The authors need to attach reasons for their own findings, especially if as the findings go against already existing scientific position based on previous studies. This is the case for the oxidative markers discussed i.e SOD, TOS and TAS</p> <p>Do these explanations for disagreement with Kotepui et al, Ebrahim et al and Babalola et al. Improve reference in your discussion, as lots of statements are made that would requires references to existing literature.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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