

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_87757
Title of the Manuscript:	THE EVALUATION OF PREVALENCE AND HEMATOLOGICAL PARAMETERS FOR ASSESSMENT OF SEVERITY OF CORONAVIRUS INFECTION
Type of the Article	Original

### 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.journaljpri.com/index.php/JPRI/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>This study dealt on very crucial indices in the evaluation of the severity of COVID-19 infection and its subsequent management, the demographic profile and haematological parameters.</p> <p><b>This study showed that haematological parameters such as neutrophilia, lymphopenia, elevated neutrophil to lymphocyte ratio, thrombocytopenia are prognostic markers of severity in COVID-19 infection. The A rhesus D positive blood group appear more susceptible to COVID-19 infection than other ABO blood groups. These indices are found to be higher in the elderly male Asian and Pakistan population compared to their younger age group counterparts.</b></p> <p>The title of the study is informative and relevant. Study findings are clear. However, there are major corrections to be made before this manuscript could be certified for publication. I have tried to effect some corrections essentially in the areas marked with red font words.</p> <p>There are about 25 reviewer's comments to be addressed in this manuscript by the author(s). The must be addressed using the main manuscript where the track changes are located. They include:</p> <p>1. <b>Abstract-Methodology:</b> Rephrase this statement to read as: "The clinical features of the patients were noted and 5 ml of blood was collected in an EDTA bottle from each patient for determination of blood group and complete blood account at the diagnostic and research pathology laboratory of PUMHS, Nawabshah.</p> <p>2. <b>Abstract-Result:</b> Rephrase this statement as: "169 (45.3%) were blood group A, 117 (33.8%) were blood group B, 50 (11.3%) were blood group AB and 26 (8.6%) were blood group O."</p> <p>3. <b>Abstract-Result:</b> Expunge "In this study," and start the sentence with "The mean.</p> <p>4. Introduction- The introduction section dwelt on pathogenesis/pathophysiology of COVID-19. What was already known about the research topic was not highlighted at this section. The section was therefore clear on the aim of the study but not the statement of problem and its justification.</p> <p>5. Introduction: Paraphrase this statement for clarity: "Among ABO Blood groups antigens, blood groups A persons are more liable to develop COVID infection then the other blood group antigens such as B, AB and O groups because receptor binding domain of SARS-CoV-2 sequence similarity percent on the blood group A persons of respiratory epithelial cells, leading to SARS-CoV-2 infection in these person."</p> <p>6. Introduction: Address the grammatical errors in the above number 5 comment and other sentences in the introduction.</p> <p>7. Introduction: Paraphrase or rephrase this statement as follows: "The common hematological abnormalities in COVID-19 infection include neutrophilia and lymphopenia. Neutrophilia is caused by the release of neutrophil-chemoattractant elements and the resulting recruitment of neutrophils is a host response to viral infection."<sup>9</sup></p> <p>8. Introduction: Expunge "From the above discussion our" and replace with "This."</p> <p>9. Introduction: Change clinic-laboratory to clinic-pathological.</p> <p>10. Introduction: What is "hemotologypatmeter"?</p> <p>11. Introduction: What is the justification of this aim in a population COVID-19 patients?</p> <p>12. <b>Materials &amp; Methods:</b> The Methods and Materials section must be well-structured into the various sub-sections for easy readability. The sub-sections include:</p> <ul style="list-style-type: none"><li>a) Study site: Where was this study conducted?</li><li>b) Study design: What type of study design did you use to carry out this study?</li><li>c) Study Population: population size and selection criteria (inclusion and exclusion criteria)- What is the sample size (include the formula with reference). How did you select your sample/study population?</li><li>d) Survey Procedure?</li><li>e) Specimen collection and laboratory methods</li><li>f) Data Management or Statistical Analysis</li></ul>	

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	<p>13. Materials and Methods: The numbers of male and female participants from your study do not give the sum total of 351 which was your study population size. Also, the gender distribution pattern you gave here is different from what you have in your Abstract. Kindly reconcile!</p> <p>14. Materials &amp; Methods: ? button or bottle.</p> <p>15. <b>Results:</b> This was not the M:F ratio shown in your abstract.</p> <p>16. Results: How did you test your statistical significance here?</p> <p>Also, you do not make logical clinical impression while describing the result of a study.</p> <p>17. Results: Expunge this. This statement is appropriate at the Discussion session.</p> <p>18. Results: Expunge this. This statement is appropriate at the Discussion session.</p> <p>19. Results: Table 1 entitled "Demography of Coronavirus infection" should be rearranged. The Age, Gender, Clinical Presentation and Haematological Parameters of study Population should have separate rows and columns on the same table. Example is shown below:</p> <p>Table 1:</p> <table border="1"> <tr> <th>Characteristics</th><th>Frequency (n)</th></tr> </table> <p>20. Kindly check the main manuscript for a guide on what the table should look like.</p> <p>21. This table should stratify the ABO blood groups among the gender categories (Male and Female) and test for significance</p> <p style="padding-left: 40px;">Blood Groups   Male   Freq   Female   Freq</p> <p style="padding-left: 40px;">As shown below: kindly check the manuscript</p> <p>22. <b>Results:</b> Results were not discussed from multiple angle especially from the demographic perspective of COVID-19 bringing to fore age, gender, clinical presentation and haematological indices. This discussion would have benefited from additional references.</p> <p>Consider the following:</p> <p>Nwabuko OC, Nnaji TO. Epidemiology in the News – The case of COVID-19 pandemic disease. <i>IOSR-JDMS</i>. 2020; 19(5):35-38</p> <p>23. There was no comment on ethical consideration for the study. The author must address this issue.</p> <p>24. What were your study strengths and limitations? Any Recommendation?</p> <p>25. Paraphrase this conclusion and include major findings in this result. There is additional need to correct some grammatical errors</p>	Characteristics	Frequency (n)	
Characteristics	Frequency (n)			
<b>Minor</b> REVISION comments	Check spellings and grammatical errors and make all the necessary corrections.			
<b>Optional/General</b> 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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

Name:	Ogbonna Collins Nwabuko
Department, University & Country	University of Calabar, Nigeria