

Review Form 3

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_125266
Title of the Manuscript:	BIOMARKER AND GENETIC VARIATION IN HEPATITIS B VIRUS POSITIVE PATIENTS ATTENDING SELECTED HEALTH FACILITIES IN BAUCHI METROPOLIS
Type of the Article	Original Research Article

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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>
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>This manuscript presents insights into the prevalence of HBV, its biomarkers and genetic variations of among patients, which is crucial for understanding the local epidemiology of this infection. The findings have the potential to inform public health strategies and interventions aimed at reducing transmission rates, particularly in vulnerable populations.</p> <p>However, the manuscript has several notable shortcomings: it lacks statistical tests and corresponding outputs, indicating that the descriptive study does not fully engage with potential associations; it does not discuss limitations or recommendations for future research; the titles of tables and figures are not self-explanatory; and there is an inconsistency between the methods and results, particularly concerning the use of R-software and the Chi-square test, which are not reflected in the findings presented. Additionally, while the study claims to include all age groups, the results table lacks data for participants less than one year of age. While I appreciate the effort to address an important health issue, these shortcomings significantly affect its overall impact and necessitate thorough revisions to enhance its contribution to the scientific community.</p>	
Is the title of the article suitable? (If not please suggest an alternative title)	<p>Good but lacks some more informative points like: Country, study design and nature of the study subjects (attending???) Seems as if it the patients were already known to be HBV positive and on care ??)</p> <p>better if reframed as : Biomarker and Genetic Variation among Hepatitis B Virus Positive Patients Attending Selected Health Facilities in- Bauchi Metropolis, Negeria : A cross-sectional study</p>	

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<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>	<p>Needs modification (major); Suggestion for addition : ⇨ background section; add rationale for the study (a brief statement explaining why studying biomarkers and genetic variation in hepatitis B virus (HBV) positive patients is important and or its implications for public health interventions ⇨ Methods section: participant selection criteria and sample size justification (why 200?); statistical methods used : to enhance the scientific rigor of the results section. ⇨ Conclusion ; lacks a contextual relevance and or recommendations (suggesting potential interventions for public health importance etc) Suggestions for deletions : ⇨ Redundant and vague phrases like : “more pronounced in males” , better to say “ higher in males “ ⇨ Redundant sentences in conclusion : no need to repeat the same sentences stated in the result section ,</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Based on the review and identified weaknesses, the subsections and structure of the manuscript has the aforementioned shortcomings.</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>This manuscript addresses important health issue by investigating biomarkers and genetic variations in Hepatitis B virus among patients, contributing valuable information to the understanding of viral prevalence and potential risk factors in the study site. The use of established laboratory techniques, such as rapid diagnostic tests and PCR for DNA amplification, suggests a technically good approach to sample analysis. However, to enhance its scientific robustness, the manuscript must adequately address methodological inconsistencies and ensure comprehensive reporting of statistical analyses, limitations, and future research directions.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>		
<p><u>Minor</u> REVISION comments</p>	<p>The manuscript has some grammatical problems, and hence, it needs language editing</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</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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