

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Research in Cardiovascular Diseases</b>
Manuscript Number:	<b>Ms_AJRCD_111885</b>
Title of the Manuscript:	<b>PATTERN VARIATION IN ELECTROCARDIOGRAM T WAVE OF APPARENTLY HEALTHY IN-SCHOOL CHILDREN IN CHOBA, RIVERS STATE, NIGERIA.</b>
Type of the Article	<b>Original Research Article</b>

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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)
<p><b>Compulsory</b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent?</b></p> <p>If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1- The manuscript is significant for the scientific community as it addresses the important topic of T-wave pattern variations in apparently healthy in-school children, contributing valuable insights that can aid in understanding normal electrocardiographic patterns in this population.</p> <p>2- The title of the article is suitable for the content presented.</p> <p>3- The abstract of the article provides a comprehensive overview of the study, including the background, methodology, results, and conclusion. It effectively summarizes the key aspects of the research.</p> <p>4- <b>Clear Objective:</b> The manuscript has a clear objective, aiming to determine T-wave pattern variations in apparently healthy in-school Nigerian children, contributing to the understanding of normal electrocardiographic patterns in this population.  <b>Comprehensive Methodology:</b> The study employs a descriptive cross-sectional design with a simple random sampling method, providing a systematic approach to evaluating T-wave patterns across different variables such as sex, age, and height. This adds to the reliability and generalizability of the findings.  <b>Ethical Considerations:</b> The manuscript emphasizes ethical considerations, obtaining informed consent and institutional ethical approval in adherence to the Helsinki Declaration, ensuring the protection of participants.  <b>Detailed Results:</b> The results section provides a detailed presentation of findings, including mean values and statistical comparisons, enhancing the transparency and replicability of the study.  <b>Weakness 1: Limited Discussion</b> Example: The discussion section briefly mentions the findings but lacks a thorough exploration of their clinical implications. For instance, it could delve into how the observed T-wave patterns align with known cardiac conditions in children or discuss potential areas for further research.  <b>Weakness 2: Statistical Presentation</b> Example: While the manuscript mentions statistical analyses, it lacks details on the specific tests used and their appropriateness for the data. For instance, specifying whether parametric or non-parametric tests were employed and why would enhance the transparency of the statistical analysis.  <b>Weakness 3: Language and Clarity</b> Example: In several instances, sentences could be clarified for better readability. For example, the phrase "the information can be very helpful in predicting normal T wave morphology in children and any cardiomyopathy that could be associated with it as well as other physiological imbalances" could be rephrased for better clarity.  <b>Weakness 4: Limited Generalizability</b> Example: The study focuses on a specific population (in-school Nigerian children from Choba) and has a relatively small sample size. Including a more diverse sample, such as children from different regions or socioeconomic backgrounds, would strengthen the generalizability of the findings.  <b>Weakness 5: Lack of Comparison</b> Example: The study mentions the prevalence of T-wave inversions in children but does not compare these findings with existing literature. For instance, discussing how the prevalence observed aligns with or differs from similar studies globally would enhance the manuscript's context and relevance.</p> <p>5- The manuscript appears scientifically correct, as it follows ethical guidelines, employs appropriate statistical methods, and presents results in a clear and logical manner. However, a more detailed analysis would require a closer examination of the statistical methods, data collection, and interpretation.</p> <p>6- The references provided seem extensive, covering a range of topics related to electrocardiography and cardiovascular health. However, the assessment of sufficiency and recency depends on the specific requirements of the manuscript and the preferences of the journal. Here are some observations and suggestions:  <b>Observations:</b></p>	

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	<p><b>Recent Sources:</b> Some of the references are from the early 2000s or even earlier. While classic papers and foundational literature are valuable, it's important to include more recent studies and publications to ensure the work is up-to-date.</p> <p><b>Diversity:</b> The references seem to cover a variety of topics related to electrocardiography, cardiovascular health, and specific conditions. This diversity is beneficial for providing a comprehensive background.</p> <p><b>Suggestions:</b></p> <p><b>Include Recent Reviews:</b> To enhance the manuscript's background, consider including recent review articles that provide a summary of the current state of knowledge in the field.</p> <p><b>Recent Guidelines:</b> If applicable, consider including references to recent guidelines or consensus statements related to electrocardiography or cardiovascular health.</p> <p><b>Specific to Population:</b> Since your study involves Nigerian children, ensure that there are references specifically related to electrocardiographic patterns in this population. Local or regional studies could provide valuable context.</p> <p><b>Global Perspective:</b> If your study has global implications, it might be helpful to include references from diverse populations to highlight similarities or differences.</p> <p><b>Recent Advancements:</b> If there have been significant technological or methodological advancements in electrocardiography, consider including references that discuss these developments.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>In several instances, sentences could be clarified for better readability. For example, the phrase "the information can be very helpful in predicting normal T wave morphology in children and any cardiomyopathy that could be associated with it as well as other physiological imbalances" could be rephrased for better clarity.</p>	
<p><b>Optional/General</b> comments</p>		

**PART 2:**

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

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