

Review Form 1.7

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

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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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>This is a very informative study which has a very important clinical utility to inform paediatrician regarding the normal ECG in paediatric populations to avoid unnecessarily referral to cardiologist. However, there are several major issues regarding this manuscript as listen below.</p> <p>Introduction</p> <ol style="list-style-type: none"> 1. "Olayinka and Lynn, (2014) in the work, T-wave inversion in electrocardiogram said that T-wave represented ventricular repolarization and the electrical forces resulting from recovery of activated ventricular muscle fibers to their resting states." What do the author meant by T-wave inversion in ECG said? Because the statement does not explain T wave inversion 2. What is the aim of the study? It should be included in the introduction section. <p>Methods</p> <ol style="list-style-type: none"> 3. "Blood pressure were measured using mercury sphygmomanometer and appropriate size cuffs after the participants had been seated in a chair for 5 minutes with the backs supported." Were should changed to was. 4. Why was variance set at infinity? Setting the variance to infinity typically doesn't have a practical or meaningful interpretation in most contexts and infinite variance can lead to undefined or unreliable results. Furthermore, please expand on your statistical analysis, how about the t-test, Chi-squared, regression analysis etc etc. What statistical software was used for analysis? <p>Results</p> <ol style="list-style-type: none"> 5. For age, what was the age ranged? What was the youngest and eldest age? Please provide the numerical value. 6. How about mean arterial pressure? MAP was stated in the methods section but it was not reported in the result. Please add it in the table and reported it in word form. 7. Please add in the unit for t axis value 8. In table 4, what are the authors looking at ST segment? Is it ST segment elevation? If so, please add it in the table. How does the author define ST elevations? 9. Table 5, what does T axis meant? Is it T axis degree or inversion 10. Since the T wave inversion differ in age, the authors should do subgroup analysis on different age range (neonates, infants, young children etc etc) so look at the prevalence of T wave inversion in the younger or older age group. <p>Discussion</p> <ol style="list-style-type: none"> 11. This agrees with Liesel (2011) who said that T wave inversions begin after 6 years. My finding also agrees with Steve and Karen (2002) who said that T wave in V1 inverts by 7 days and typically remain inverted until at least age 7 years. These statements are contradictory. Please explain. 12. This is in line with Papadakis et al (2009) in the work prevalence and significance of T wave inversions in predominantly Caucasians athletes. How does this relate to the previous statement? 13. This agrees with Schinichiro et al (2013) were he said that systolic blood pressure and diastolic blood pressure were associated with prevalence of ischemic-like ECG. This does not relate to the previous statement. 14. Please discuss more on the findings as the discussion are very superficial regarding the ECG findings. The authors should add in more references regarding ECG in paediatric populations but not adult. 15. What are the clinical applications of this study results? 16. What are the limitations of this study? <p>Others</p> <ol style="list-style-type: none"> 1. Title is appropriate. 2. Abstract: Remove the references. 3. Subsections are appropriate. 4. Manuscript is mostly correct but required some changes in certain section as listed above. 5. More reference on paediatric populations as the articles cited mostly adult population studies. 	

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Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	The English quality of the article is not suitable for communications. The manuscript has major grammatical and syntax errors which require extensive editing.	
Optional/General 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?	<i>(If yes, kindly please write down the ethical issues here in details)</i>	

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