

Review Form 1.7

Journal Name:	International Journal of Research and Reports in Hematology
Manuscript Number:	Ms_IJR2H_105405
Title of the Manuscript:	ASSESSMENT OF SOME HAEMATOLOGIC AND IRON STATUS PARAMETERS AMONG PRIMARY SCHOOL PUPILS IN ABIAKPO IKOT ESSIEN, AKWA IBOM STATE, NIGERIA
Type of the 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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes. Children in developing countries often have microcytic hypochromic anaemia, particularly iron deficiency anaemia. With the use of demographic and dietary data, this study will provide insight into the health and nutritional state of the young population and help identify the causes of iron deficiency. However the negative correlation between hemoglobin ,HCT levels with serum ferritin levels among the primary school pupils could indeed indicate active physiological utilization of iron in the subjects.</p> <p>Title modification: Instead of “some hematological parameters ” can use Red blood cell parameters, . Reason: Hematological Parameters used in the study are RBC parameters(including redcell indices,RBC count and Hematocrit)</p> <p>Comprehensive Yes.</p> <p>Please try to add a few more relevant articles/similar findings to the discussion area, Yes Yes</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Yes. Check for grammar/spelling corrections. Spelling/abbreviation errors Eg: 1. RDWSD=Red cell distribution weight standard deviation 2. MCV reference range under table 2: Haematological Parameters of the Study Subjects with Established reference Ranges 3. under Table 4 : RDWSD=red cell distribution width specific density</p> <p>Check& correct the hematology analyzer name written in abstract (as XE -200) & in method(2.8.1) as XE 2100</p> <p>. Better to use term hematocrit or HCT instead of PCV as hematology analyzers use impedance method to calculate HCT.,HCT will be a better terminology than PCV</p> <p>. Check the reference intervals of HCT or PCV in children 2-12 years. {whether the range of 40-55%} by : **Scott <i>et al.</i> (2008) is using spun PCV tube ,method or the reference range using electrical impedance method</p>	
<p>Optional/General comments</p>	<p>INTERPRETATION Karl Pearson's coefficient of correlation is used to determine the correlation between Hematological and Iron parameters.</p> <ul style="list-style-type: none"> ➤ Correlation between PCV and STfR (r=-.04), TIBC(r=-.021) and Family size(r=-.072) shows a mild negative correlation, but the relationships are insignificant. The correlation between PCV with Ferritin(r=-.285) shows also a mild negative correlation, but the relationship is significant(p=.000<.05). ➤ Correlation between Hb and STfR (R=-.031), TIBC (r=-.043), Family size(r=-.080) shows a 	

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	<p>mild negative correlation, and the relation is insignificant. The correlation between Hb with Ferritin shows also a mild negative relation, but the relationship is significant($p=.000<.05$).</p> <ul style="list-style-type: none"> ➤ Correlation between MCVFL and TIBC($r=.065$), Family size ($r=.025$) shows a mild positive correlation and the correlation between MCVFL with STfR($r=-.073$), Ferritin ($r=-.035$) shows a mild negative correlation. But these relationships are insignificant. ➤ Correlation between MCHpg and STfR($r=.073$) shows a mild positive correlation and the correlation between MCHpg with Ferritin ($r=-.050$), TIBC($r=-.031$), Family size ($r=-.107$) shows a mild negative correlation. But these relationships are insignificant. ➤ Correlation between MCHCgdl with STfR ($r= .030$) shows a mild positive correlation and the correlation between MCHCgdl with Ferritin ($r=-.05$), TIBC($r=-.075$), Family size ($r=-.027$) shows a mild negative correlation. But these relationships are insignificant. ➤ Correlation between RDWCV and Ferritin ($r=.021$), Family size ($r=.090$) shows a mild positive correlation. There is a significant relationship between RDWCV and Ferritin, But the relationship between RDWCV and Family size is insignificant. The relationship between RDWCV and STfR ($r=-.044$), TIBC ($r= -.022$) shows a negative correlation and these relationships are insignificant. ➤ Correlation between RDWSDfl and Ferritin ($r=.132$), TIBC($r=.002$), Family size($r=.043$) shows a mild positive correlation. The correlation between RDWSDfl and STfR ($r=-.044$) shows a mild negative correlation. But these relationships are insignificant. ➤ Correlation between RBCx106μ1 and STfR($r=.020$) shows a mild positive correlation. The correlation between RBCx106μ1 and Ferritin ($r=-.047$), TIBC ($r=-.072$), Family size ($r=-.011$) shows a mild negative correlation. But these relationships are insignificant. ➤ By analyzing these correlation coefficients(r), we can conclude that, the correlation between Hematological and Iron parameters are very weak and insignificant. 	
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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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