

Review Form 1.6

Journal Name:	Cardiology and Angiology: An International Journal
Manuscript Number:	Ms_CA_85562
Title of the Manuscript:	Evaluation of Lipid profile and some Renal Parameters in some selected ethnic population with fat-mass and obesity-associated gene (FTO) variants in Niger Delta, Nigeria
Type of the Article	Original Research Article

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:

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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)
Compulsory REVISION comments		
Minor REVISION comments	<p>ABSTRACT</p> <ul style="list-style-type: none"> - Add (SNP): Single Nucleotide Polymorphisms (SNP) - Check EDTA. Line 139-140 you work with serum. - It is suggested to report the significant differences: <ul style="list-style-type: none"> -CRR and AC showed <u>no significant differences</u> between the Ijaw tribe and the control group -The tribe Urhobo had not the <u>significant differences</u> mean TG values than that of the control subjects. - Change: The control subjects had the highest mean HDL values (1.51 ± 0.49mmo/l), which were significantly higher(P<.05) than that of the control subjects Urhobo tribe. - Significant differences in mean values LDL have not been mentioned - Significant differences in mean values AIP between Igbo tribe vs control subjects have not been mentioned - Mean creatinine levels and mean MDRD levels had not significant differences between groups - <u>Conclusion</u>: The results are not so conclusive... only some lipid parameters varied in some tribes. <p>INTRODUCTION</p> <ul style="list-style-type: none"> -Line 17 and 18: The previous idea is repeated. -Line 19: change by nature -Line 21: name for the first time "Single Nucleotide Polymorphisms (SNPs)" -Line 21 and 23: [6] are not recent. It is already well known that the presence of polymorphisms in FTO are associated with an increased risk of obesity and T2D. It is suggested to cite updated bibliography. -Line 26-27: repetition line 20-21 -Line 50: Dyslipidemia is the single strong risk factor. <p style="margin-left: 40px;"><i>Lifestyle factors and high-risk atherosclerosis: Pathways and mechanisms beyond traditional risk factors. Eur J Prev Cardiol. 2020</i></p> <p style="margin-left: 40px;">doi: 10.1177/2047487319869400.</p> -It is suggested to include something about renal disease associated with dyslipidemia, diabetes and obesity. -Line 72: It does not mention as an objective to observe the effect of special diets on biochemical indices (Table 2). <p style="margin-left: 40px;">Special diets did not contribute to any significant difference in the biochemical</p> 	

indices of the subjects (Abstract)

MATERIALS AND METHODS

- Line 81-82: ¿Why are not mentioned the Urhobo and Ika tribes?
- It is suggested to mention the figure 1 in the text
- Line 118: It is not clear why it was separated into two groups.
- Line 156 and 169: Check
- Line 184: change by LDL-Cholesterol
- Line 215: It would be interesting to include a brief comment on the use of MDRD
- Line 219: Check

RESULTS AND DISCUSSION

- Line 232 and 249: It is suggested to place it at the bottom of the table
- Line 240 and 254: Check

- Table 1: ¿In Urhobo vs. Control; b vs. b or c vs. d?

Parameters	Ijaw	Urhobo	Ika	Igbo	Control	F value	P value	R
LDL (mmol/L)	3.36 ± 0.87 ^a	1.88 ± 0.51 ^{bc}	2.03 ± 0.77 ^b	2.22 ± 0.39 ^b	2.45 ± 0.51 ^{bd}	16.71	<0.0001	S

-Line 258: In HDL, AIP and AC, the Ijaw tribe does not present significant differences with the control group

-Line 259: Triglyceride values are lower

-Table 1: These significant differences have not been mentioned nor discussed ¿why?

¿Can you somehow justify the behavior of the Urhobo tribe?

Parameters	Ijaw	Urhobo	Ika	Igbo	Control	F value	P value	R
TG (mmol/L)	1.09 ± 0.33	1.47 ± 0.51	1.35 ± 0.58	1.46 ± 0.38	1.39 ± 0.53	2.033	0.0960	NS

Parameters	Ijaw	Urhobo	Ika	Igbo	Control	F value	P value	R
HDL (mmol/L)	1.49 ± 0.47 ^a	1.18 ± 0.27 ^b	1.31 ± 0.29 ^a	1.31 ± 0.25 ^a	1.51 ± 0.49 ^a	2.855	0.0278	S

Parameters	Ijaw	Urhobo	Ika	Igbo	Control	F value	P value	R
LDL (mmol/L)	3.36 ± 0.87 ^a	1.88 ± 0.51 ^{bc}	2.03 ± 0.77 ^b	2.22 ± 0.39 ^b	2.45 ± 0.51 ^{bd}	16.71	<0.0001	S

Parameters	Ijaw	Urhobo	Ika	Igbo	Control	F value	P value	R
AIP	-0.15 ± 0.13 ^a	0.08 ± 0.01 ^b	-0.02 ± 0.01 ^a	0.03 ± 0.01 ^b	-0.02 ± 0.01 ^a	3.792	0.0066	S

Parameters	Ijaw	Urhobo	Ika	Igbo	Control	F value	P value	R
AC	2.86 ±	2.37 ±	2.14 ±	2.28 ±	2.35 ±	2.486	0.0486	S

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	1.16 ^a	0.57 ^a	0.83 ^b	0.50 ^a	0.61 ^a															
	<p>Line 269: Write completely the first time</p> <p>Line 261-288: This theoretical framework is very good but it does not specifically justify its results.</p> <p>Line 287: ¿What tribe are you referring to?</p> <p>Line 289: The special diets were never mentioned (material and methods)</p> <p>-Table 2: ¿What is your normal reference value? ¿ < 1.7mmol/L? In that case the triglycerides values would be normal</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>No special diet</th> <th>Special diet</th> <th>T value</th> <th>P value</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>TG (mmol/L)</td> <td>1.44 ± 0.56</td> <td>1.22 ± 0.317</td> <td>2.013</td> <td>0.047</td> <td>S</td> </tr> </tbody> </table> <p>CONCLUSIÓN</p> <p>Taking into account the reported results, the conclusion should not be so conclusive since not all the tribes presented variations in their lipid parameters. Regarding the Atherogenic Indices, the tribes would not have a risk of CVD and atherosclerosis.</p>								Parameters	No special diet	Special diet	T value	P value	Remark	TG (mmol/L)	1.44 ± 0.56	1.22 ± 0.317	2.013	0.047	S
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TG (mmol/L)	1.44 ± 0.56	1.22 ± 0.317	2.013	0.047	S															
Optional/General comments	<p>The work provides interesting information on the lipid profile and may be useful to continue with deeper studies on the effect of FTO gene polymorphisms in ethnic groups in Nigeria</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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

Reviewer Details:

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