



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_22020
Title of the Manuscript:	A comparative study on the haematology, biochemical alterations in serum composition and pathologic changes in the kidneys of cachetic and non-cachetic cattle in Zaria, 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	Abstract - The abstract is scanty as it does not capture the significant results of the study, the author should endeavour to report significant results of the study Methodology - The author (s) should replace the term generalized with the term in clinical under the methodology of the experiment - The clinical conditions of the cattle used was not expediently stated, the breeds of the cattle examined was not expediently stated, the management system under which the cattle were managed was not indicated, as these factors are capable of influencing the bio-chemical traits examined. The author should include the clinical background of the cattle examined in the study as this may critically influence the bio-chemical traits under consideration. - AST should preferably be giving as Alanine amino transaminase Statistical analyses	1. More results have been added as suggested 2. This is not a clinical but an abattoir survey so the use of the world clinical is not appropriate 3. This is an abattoir-based study and the system in Nigeria is such that in most cases the animals are brought for slaughter from nomadic farms, not institutional farms with no information about the management practices etc. The breed was Zebu and was appropriately stated. 4. Most of these animals are raised without the intervention of a physician or they come to abattoir without history, so it is difficult to ascertain their clinical conditions on arrival. 5. AST is aspartate amino transferase (new name) or glutamate oxaloacetate transaminase, GOT (old name). We preferred the use of Student t-test to compare parameters arising from cachectic and non-cachectic cattle and this is

	• Randomized complete block design (RCBD) of procedure of generalizes linear model (PROC GLM) is more appropriate for the kind of data generated for this research because independent variable such as effects of sex, age, cachexiation status and interactions between these independent factor are capable of influencing the dependent variables (biochemical and haematological traits) under consideration • T test analyses cant carryout interaction analyses between the independent variable, as this will reveal more statistical information from the study • However, the judgements of other reviewers may be awaited as it affects the appropriateness of the statistical package the author employed for this study . Discussion • Probability of significance ($P < 0.05$) or ($P > 0.05$) should not be included in the body of discussion. Probability of significance P is only limited to results Conclusion • The conclusion does not present any summarised significance of the study, the author should recast the conclusion to present the summarised benefit and contribution of the study to the body of knowledae	acceptable in literature. Other reviewers also accepted this. This has been expunged from the discussion as suggested This has been modified as suggested
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Minor REVISION comments	• Disparity between sample size of cow and bull is too wide. • Under the measurements of age and weight, the author should recast the sentence by expunging the word conventionally. • Under 2.3, the author should recast the statement by expunging the phrase as described elsewhere • Haematological not heamatologic , author should take note and recast • Histopatological not histopathologic author should take note and recast	
Optional/General comments	The research study is quite a publishable one as it contains some novel findings.	