



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">International Journal of Biochemistry Research &amp; Review</a>                                                  |
| Manuscript Number:       | Ms_IJBCRR_31021                                                                                                              |
| Title of the Manuscript: | The potential of blood gases and plasma ammonia levels for early detection of paediatric patients having metabolic disorders |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p><b>Introduction:</b> - Most statements in the introduction are not backed by references (Include in your revision)</p> <p><b>Methods:</b></p> <ul style="list-style-type: none"> <li>-State clearly the inclusion and exclusion criteria for the study group and the control group.</li> <li>- What were the matched variables for the controls?</li> <li>- The description of the study site is inadequate. Include more details about the study site</li> <li>-What was the sampling frame for this study?</li> </ul> <p><b>Statistics:</b></p> <ul style="list-style-type: none"> <li>-Is it true that the researcher used Chi square test to compare the qualitative variables? If yes, which were those?</li> </ul> | <p><b>Introduction</b> has been corrected and modified and the references have been added.</p> <p><b>Methods:</b></p> <ul style="list-style-type: none"> <li>- The inclusion and exclusion criteria for the study group and the control group have been clearly stated.</li> <li>- The matched variable for the control were age and sex.</li> <li>- The study site described better.</li> <li>- The sampling frame was 4cc blood , 3cc venous blood divided 1.5ml on EDTA as anticoagulant, for immediate estimation of complete blood count (CBC) and plasma ammonia . The other 1.5 ml of venous blood were put in a plain test tube for the estimation of serum sodium, potassium, ionized calcium, urea, creatinine and serum glucose. 1 cc of arterial blood sample for blood gases analysis, from radial or brachial or femoral artery on heparinised tubes. The urine sample for every included patient and control evacuated in a clean container for immediate detection of ketonuria , cystinuria , and reduced substances in urine</li> </ul> <p><b>Statistics</b></p> <p>. Chi-square test was used to compare the strength of association between qualitative</p> |



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|                                         |                                                                                                                                                                                                                                  | category variables which in the form of frequency, such as the percentage of consanguineous marriage among the patients' and the controls' parents , see table (1).<br>-                                                           |
| <b><u>Minor</u></b> REVISION comments   | <ul style="list-style-type: none"><li>- Statement on conflict of interest in the Documents</li><li>- Contributions of Co-authors in this research activity</li><li>- Reference: They are too old. Use newer references</li></ul> | <ul style="list-style-type: none"><li>- Statement on conflict of interest in the Documents was added.</li><li>- Contributions of Co-authors in this research activity was added.</li><li>- Reference: have been updated.</li></ul> |
| <b><u>Optional/General</u></b> comments |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                    |