

### Review Form 3

Journal Name:	<a href="#">Asian Research Journal of Gynaecology and Obstetrics</a>
Manuscript Number:	Ms_ARJGO_127182
Title of the Manuscript:	Effect of Delivery Mode on Maternal Total Antioxidant Status and Glucose Levels in Reproductive-Aged Women in Owerri, Imo State, Nigeria
Type of the Article	

#### General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Are subsections and structure of the manuscript appropriate?		
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

**Review Form 3**

<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p>Optional/General comments</p>	<p><b>Effect of Delivery Mode on Maternal Total Antioxidant Status and Glucose Levels in Reproductive-Aged Women in Owerri, Imo State, Nigeria</b></p> <p>Reviewer Comments:</p> <ol style="list-style-type: none"> <li>1. The title is clear and directly conveys the study's focus.</li> <li>2. The introduction provides a good overview of the role of antioxidants, oxidative stress (OS), and glucose metabolism in maternal health.</li> <li>3. According to the methodology the study design (cross-sectional) is appropriate for comparing TAC/S and glucose levels between the two delivery modes.</li> <li>4. From the discussion part the recommendation to monitor TAC/S and GLu levels during childbirth is practical and relevant</li> <li>5. The results are presented clearly, with significant findings highlighted (e.g., lower TAC/S in vaginal deliveries and reduced postpartum glucose levels for both modes).</li> </ol> <p>Suggestions:</p> <ol style="list-style-type: none"> <li>1. Include more context about why this study is particularly relevant in Owerri, Imo State, such as regional health challenges, prevalence of cesarean sections, or unique environmental or genetic factors that may influence oxidative stress</li> <li>2. In case of methodology, provide more details on: The sampling method (e.g., random, consecutive), How potential confounding factors (e.g., maternal health conditions, diet, pre-existing glucose intolerance) were controlled? The timing of blood collection postpartum to ensure consistency across participants.</li> <li>3. And Consider addressing why only TAC/S and glucose levels were chosen as biomarkers, excluding others like malondialdehyde or superoxide dismutase, which might provide complementary insights into oxidative stress.</li> <li>4. Discuss whether the observed reduction in glucose levels postpartum aligns with expected metabolic changes or warrants further investigation.</li> <li>5. Deepen the discussion by exploring possible mechanisms for the observed differences in TAC/S between delivery modes like: Is the greater reduction in TAC/S after vaginal delivery due to higher physical exertion or oxidative demands during labor? Or Could surgical stress during cesarean delivery influence antioxidant responses differently?</li> <li>6. Address the clinical implications like how might these findings guide postpartum care in Owerri and similar settings?</li> </ol> <p>Overall rating: The article addresses an important aspect of maternal health, offering valuable insights into how delivery modes influence antioxidant status and glucose metabolism. The study is well-conceived, with clear results and practical recommendations. However, it would benefit from additional context, expanded discussion of mechanisms and implications, and visual presentation of results.</p>	

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><b>Author's comment</b> (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>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

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