

Review Form 3

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_129899
Title of the Manuscript:	Effect of Vitamin A on Glucose Tolerance in Female Undergraduates of Ambrose Alli University, Ekpoma
Type of the Article	Original Research 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: 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. A minimum of 3-4 sentences may be required for this part.	The findings provide valuable baseline data on glucose tolerance patterns in specific demographic, offering insights into the physiological role of Vitamin A beyond its established functions in vision and immunity. By adopting a rigorous experimental approach, including the oral glucose tolerance test (OGTT), the study fills a critical gap in literature concerning the potential metabolic impacts of Vitamin A. The results also inform future research, emphasizing the need for studies with larger, more diverse populations to generalize these findings and better understand the role of micronutrients in diabetes prevention and management.	Thanks for the comments.
Is the title of the article suitable? (If not please suggest an alternative title)	Suitable	
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.	Suggestions for Improvement: <ul style="list-style-type: none">- Add specific numerical results or statistical highlights (e.g., p-values or effect sizes) to provide a clearer understanding of the findings.- Briefly mention the broader implications for future research or potential clinical applications to emphasize the study's significance.- Include a statement explicitly connecting the results to the hypothesis tested.	Thanks for the comments. noted
Is the manuscript scientifically, correct? Please write here.	YES	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Suggestions for Improvement: <ul style="list-style-type: none">- Include more recent studies published after 2015, particularly those addressing Vitamin A and glucose metabolism or similar interventions in young adults.- Incorporate references discussing current methodologies or advancements in OGTT protocols.- Add systematic reviews or meta-analyses that discuss recent trends in micronutrient supplementation and its metabolic effects.	Thanks for the comments. noted and revised as per the suggestions.

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Is the language/English quality of the article suitable for scholarly communications?	Suitable	
<u>Optional/General</u> comments	Potential Ethical Concerns or Missing Details: <ul style="list-style-type: none">- Informed Consent: The manuscript does not explicitly state whether informed consent was obtained from participants. This is a critical component of ethical research, especially for studies involving human subjects.- Approval by Ethics Committee: There is no mention of approval by an Institutional Review Board (IRB) or Ethics Committee. Such approval is typically required for research involving human participants to ensure compliance with ethical standards.- Health Risks of Vitamin A Supplementation: The manuscript does not mention whether potential risks of high-dose Vitamin A (100,000 IU) were discussed with participants or monitored during the study. Although this dose is considered within acceptable limits for supplementation, it can cause adverse effects in some individuals.- Anonymity and Confidentiality: The study does not indicate whether participant data were anonymized to protect privacy.	Thanks for the valuable comments.

PART 2:

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