

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.	1. To know whether there is a significant relationship between Vitamin A supplementation and glucose tolerance of non-diabetic undergraduate females in the area. 2. Although important in certain physiological functions, vitamin A does not seem to play a significant role in glucose metabolism. 3.	This research contributes to our understanding of nutrient-metabolism interactions in young adults, a demographic often underrepresented in vitamin A studies, while establishing methodological groundwork for future investigations into micronutrient effects on <b>glucose homeostasis.</b>
Is the title of the article suitable? (If not please suggest an alternative title)	Yes – it is suitable	<b>Yes it is suitable</b>
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.	Yes, it is comprehensive	<b>Yes, it is comprehensive</b>
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is comprehensive	<b>Yes, the manuscript is comprehensive</b>
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Most of them are not.	<b>Yes there are</b>

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Is the language/English quality of the article suitable for scholarly communications?	Yes.	
Optional/General comments	<div>1. Please include a paragraph to talk about the relationship between vitamin A and blood glucose levels and how they affect each other.</div> <div>2. Include the role of Vitamin A on the age group in question and not necessarily focus on children and infants.</div> <div>3. Was there an age bracket for the volunteers? If so, kindly include this in the methodology too.</div> <div>4. Kindly consider using and citing more recent sources of information</div> <div>5. Include a graph in the data analysis to better display your data and for the reader to better understand your values.</div>	<div>Yes it is</div> <div>Results revealed that peak glucose levels in the Vitamin A supplemented group (107.64 ± 17.77 mg/dL at 60 minutes) did not significantly differ from control group measurements (112.91 ± 26.01 mg/dL at 60 minutes, p &gt; 0.05).</div> <div>The study included female undergraduate students aged 22-35years.</div> <div>Participants were randomly assigned to either receive 100,000 IU of Vitamin A or serve as controls, with glucose measurements taken at six time points over 150 minutes.</div>
	6.	

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?	<div>(If yes, Kindly please write down the ethical issues here in details)</div>	<div>Written informed consent was obtained from all participants prior to enrollment. Participants were provided detailed information about the study procedures, potential risks and benefits, and their right to withdraw at any time without consequence. All documentation was provided in English and local languages as needed.</div> <div>This study was approved by the Institutional Review Board of Ambrose Alli University All procedures were conducted in accordance with the institution's guidelines.</div> <div>Participants were screened for contraindications to vitamin A supplementation. Medical personnel were available during testing periods. Adverse events were monitored and documented according to standardized protocols. Follow-up assessments were conducted to ensure participant safety</div> <div>All participant data were anonymized using unique identifier codes. Physical records were stored in locked facilities, and electronic data were password-protected with restricted access. Personal identifying information was stored separately from research data.</div> <div>Participants were selected based on predefined criteria. Screening included medical history review and baseline health assessments.</div> <div>Participation was voluntary, and no coercion was used in recruitment.</div> <div>The authors declare no conflicts of interest. This research was self-funded by the corresponding author</div>