

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Medicine and Health</a>
Manuscript Number:	Ms_AJMAH_124286
Title of the Manuscript:	Effects of Vitamin C on Aluminium Chloride Induced Neurotoxicity on the Hippocampal Cortex of Adult Wistar Male Rats
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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#### **Important Policies Regarding Peer Review**

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	It is quite significant and relevant, Aluminum exposure is a widespread environmental issue, and understanding potential therapeutic interventions is crucial. I find this article to be important contribution to the scientific community.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is clear and precise.	
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.	The abstract should include key findings of histomorphology results, brief explanation of behavioural outcomes regarding vit C in mitigating AlCl <sub>3</sub> neurotoxicity like locomotor activity and anxiety. More over a little emphasizing is needed related to highlighting the significance of the findings.	
Are subsections and structure of the manuscript appropriate?	Overall, the structure and subsections are 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.	Firstly, the body weight analysis presented in the manuscript appears to be limited, as it only considers the body weight changes at a single time point. the authors should consider analyzing the body weight data at multiple time points, similar to the approach used for the other behavioral measures, which would allow for a better evaluation of the temporal dynamics of the body weight changes and the potential dose-dependent effects of Vitamin C supplementation. Secondly, number of animals in each group either divided randomly or blinding was employed. Moreover, While the article mentions various biochemical assays (e.g., for MDA, SOD, GSH and etc), it lacks detailed protocols for these assays and didn't cite relevant references for the tests making it difficult to understand and replicate the method. These improvements would facilitate better understanding and reproducibility of the experiments conducted. In result section figure 4-8 specific indicators related to significance are missing.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The provided references cover almost all aspect of the findings efficiently how ever if the author can include relevant research on the mechanisms of aluminum chloride-induced neurotoxicity and the specific pathways that Vitamin C may target to mitigate these effects would further strengthen the manuscript.	
<b>Minor</b> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes, the quality of English language is suitable for academic and scientific communication.	
<b>Optional/General</b> comments	Overall, the article contributes valuable insights into the neuroprotective effects of Vitamin C against aluminum chloride-induced neurotoxicity. With some enhancements in clarity, organization, and depth, it could have an even greater impact in the field.  The provided manuscript appears to be original and cited relevant literature. There is no indication of competing interest issues in this manuscript. No ethical issues.	

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#### **PART 2:**

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

#### **Reviewer Details:**

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