

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Research and Reports in Neurology</a>
Manuscript Number:	Ms_AJORRIN_83379
Title of the Manuscript:	Evaluating possible spatial memory enhancement and psychosomatic balance using Daucus Carota juice in wistar rats
Type of the 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:

(<https://www.journalajorin.com/index.php/AJORRIN/editorial-policy> )

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<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)
<u>Compulsory REVISION</u> comments	<p>Congrats to the authors of the idea. The work needs revisions. Thank you for the opportunity to review.</p> <p>1# There is a lack of a clear purpose and research hypothesis in the introduction.            2# "The carrot carrots used were purchased from Aluu market, Aluu, River State. The root of the carrot was blended to juice for use in the study. "- In my opinion, this undermines the reproducibility of the study. Was there a study of the amount of a specific active substance administered to rats ?            3# "The animal handling, care and procedure were carried out on the specification of the University of Port Harcourt Ethical committee in line with the International Committee on Laboratory Animals" - I understand that the authors followed general guidelines for animal testing. Did the authors obtain approval from the local bioethics committee to conduct the study? If so please post the consent number.            4# " Overall, maze learning has been widely used to probe for the role of the hippocampus in rodent learning and memory. It's is a box with an entrance and exit, with a complicated maze. The animal is place at the entrance of the maze, and allowed to find its way to the exit within a five minute time frame." - Please refer to the literature confirm methodologies.            5# " Results of the study were analyzed using ANOVA and Post Hoc LSD using SPSS version 23." - Why did the authors choose this test? Has a decomposition analysis been performed? If so what test was used? Information on the significance threshold of the results is missing. Also, this should be added. Will the authors determine the sample size ? And did the authors calculate the effect size? Please expand on the information in the text based on my questions. The current description of the statistics is inadequate.            6# The charts presented are inadequate. Each chart should be discussed in the text with appropriate references and explanation of abbreviations used.            7# Discussion - should be reworded, most parts correspond to the "results" section. In your discussion, please provide possible explanations for the effects based on neurological knowledge, (specifically neuroanatomy and neurophysiology).            8# Please add new references younger than 10 years. The paper is written on outdated literature.</p>	
<u>Minor REVISION</u> comments	<p>Change " can affect a person's ability to live and function independently 10]." to can "affect a person's ability to live and function independently [10]."</p>	
<u>Optional/General</u> comments	<p>not applicable</p>	

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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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