

Review Form 3

Journal Name:	Asian Journal of Research and Reports in Neurology
Manuscript Number:	Ms_AJORRIN_121776
Title of the Manuscript:	Effect of Dacryodes edulis (African pear) ethanolic leaf extract on the cytoarchitecture of the prefrontal cortex and long term learning and memory in Wistar rats of Ketamine-induced neurotoxicity
Type of the Article	Original Research Article

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PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback (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.	Though the study was well prepared, the results seem to be inconclusive. The authors concluded that 1000 mg/kg of BW of the leaf extract had ameliorative potentials on the prefrontal cortex of rats of ketamine-induced neurotoxicity but the results revealed this dose increased cell count and cell size compared to the normal. These, if significant, may not be good as a possible carcinogen particularly at the higher doses. If these mean a nourishing effect, I think it was exaggerating for the effect of a small dose of herb in a short period of time.	
Is the title of the article suitable? (If not please suggest an alternative title)	No. It is too long. Can it be "Neroprotective effect of the ethanolic extract of <i>Dacryodes edulis</i> leaf on the Ketamine-induced neurotoxicity in Wistar rats"?	
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.	No. It is too long due to the repeating words or phrases such as "...using hematoxylin and eosin staining technique" in the Aims and the Methods. Treatment in each group has been mentioned in the Methods so in the Results just indicate the certain groups without giving detail in the parenthesis. The Introduction should tell the reason of choosing this plant instead of giving detail of the ketamine.	
Are subsections and structure of the manuscript appropriate?	Yes.	
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.	The study was well organized. However, there are some unclear issues. <ol style="list-style-type: none"> 1. In general dose-response should begin with low dose and step-up, why did the group D get higher dose of herb extract than did the group E? These somehow lead confusing in understanding the results. Can they be switched? 2. Only 2 doses of the herb extract were studied, thus, the word "dose-dependent" may not be suitably used. Just mentioned 1000 mg/kg of BW of the herb had neuroprotective effect. 3. Because the group D showed better results than the group A (normal control), the possible reasons of these findings must be given in the Discussion. Otherwise, the 1000 mg/kg BW of this herb leaf might be interpreted as having neurotoxicity in enhancing neuronal cell growth and cell size. Were there statistically different of these parameters between group A and D? 4. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	OK	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments		

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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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