



SDI Review Form 1.6

Journal Name:	Asian Journal of Research in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_AJRIMPS_45797
Title of the Manuscript:	LONG-TERM CONSUMPTION OF KOLA-NUT (COLA NITIDA) DIET DECREASED ANXIETY RELATED BEHAVIOUR IN MICE.
Type of the Article	Original research paper

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	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)
Compulsory REVISION comments	<p>Materials and methods</p> <p>line 68: Indicate if you have been working with males or females, because estrogen has a significant effect on the behavior</p> <p>line 69: All mice were housed ... please state the conditions in which they were kept for 28 days (temperature, light/dark cycle, did food is available <i>ad libitum</i> because you mention the feeding period?).</p> <p>line 75: „All animals were weighed before and after the feeding period“- Why was it done, and if it is important where are the results of these measurements</p> <p>- You did not specify whether you have an ethical approval, because you are using animals in an experiment</p> <p>line 81: The following variables were evaluated: briefly explain the parameters you were observing. Why you choose also 30-minute session as exploration time during open field test? This was selected, maybe, based on previous studies. Then you should specify the reference ...</p> <p>line 89: The following variables were evaluated: briefly explain the parameters you were observing</p> <p>line 97: The following variables were evaluated: briefly explain the parameters you were observing</p> <p>Results</p> <p>line 109: The Exploratory behaviour, Rearing and walling, are forms of vertical locomotor activity.????</p> <ul style="list-style-type: none"> - With open field test, general activity levels are evaluated by measurements of horizontal activity (movement across and through the field), vertical activity (rearing up onto the hind legs and thigmotaxis, e.g. "wall-hugging" behavior) - what did you mean by „walling“? – an activity that takes place at the periphery of the open field arena (horizontal locomotor activity) or thigmotaxis, e.g. "wall-hugging" behavior (vertical locomotor activity) - What is the frequency of rearing/walling? Is it presented in percentage (%)? Which unit of measure did you use for this parameter: the number or duration (sec) of that behavior during the 5 minute test or maybe something else? <p>line 240: "the frequency of line crossing did not differ significantly" - these results are not even mentioned in the section Results</p> <p>line 113: „Although the frequency of walling in the kola group“ - Sentence seems incomplete. The changes are statistically insignificant, so there is no need to indicate that there was a decrease</p> <p>Discussion</p> <p>line 246: You mention that grooming was reduced after 30 minutes. It was not reduced after 5 minutes. Perhaps this is the result of adaptation to a novel environment which consequently leads to reduced anxiety. Grooming is even increased in elevated plus maze</p>	<p>We used only male mice</p> <p>Conditions have been indicated Feeding was <i>ad libitum</i></p> <p>A statement on ethical approval and the protocol number have been added.</p> <p>I avoided stating the behaviour scored here because I had stated them and explained them in the result. I wanted to reduce the size of the article.</p> <p>Same applied here. I wanted to avoid repetition in the results section</p> <p>Same applied here. I wanted to avoid repetition in the results section</p> <p>These are all exploratory behaviour. Line cross etc are locomotor behaviour but rearing, walling (i.e rearing against the wall or wall hugging as u call it) are all exploratory behaviour, lack of which may indicate presence of anxiety related behaviour.</p> <p>The frequency is expressed as /5mins of the test and /30mins of the test respectively while the duration was in seconds</p> <p>Statement corrected</p> <p>Well this does not apply. The exploratory behaviour is compared between the control and test which have been subjected to the same test protocol. Habituation should have also</p>



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	<p>test. Could you explain why?</p> <p>line 274: while in light/dark box mice showed an increased activity (rearing and walling) in the open field maze showed an opposite behavior - please explain</p>	<p>occurred in the control subjects. Sometimes grooming may show a false effect. However, all other behaviour point in a similar direction and so we hold that true.</p> <p>The increased activity was more in the open chamber of the box which indicate less anxiety. The activity here is not a pointer to locomotor activity. In any case, locomotor activity in the open field test was not significantly different</p>
Minor REVISION comments	<p>- English is very weak.</p> <p>line 30: kola - capital letter (the beginning of the sentence)</p> <p>line 30: with socio-economically important – that is of socio-economic importance...</p> <p>line 40: temporal feeling - temporary feeling</p> <p>line 46: It is for this reason that - therefore</p> <p>line 51: used for many manufacture of pharmaceutical products - used for manufacture of many pharmaceutical products</p> <p>line 80: cetre – central</p> <p>line 95: darknes – darkness</p> <p>line 160: in five minutes and thirty minutes in the in the open field maze.- correct</p> <p>line 246: activity were decreased - was decreased</p> <p>line 247: The frequency and duration of grooming was also significantly - were significantly</p> <p>line 263: These therefore means – it, therefore, means</p> <p>line 273: light region of the ??? – of the box</p> <ul style="list-style-type: none"> - quoted references are very old - check the reference list due to disagreement with a number of references in the text 	<p>Correction effected</p> <p>Corrected</p> <p>Corrected</p> <p>Corrected</p> <p>Corrected</p> <p>Corrected</p> <p>Corrected</p> <p>Corrected</p> <p>Corrected</p> <p>Corrected</p> <p>Sorted out</p>
Optional/General comments		

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