



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	2015_JAMPS_16310
Title of the Manuscript:	Positive Anti-Cadmium Poisoning Anti-Oxidant Effects of Moringa Seed Oil and Cashew Nut Oil in Juvenile Wistar Rats Hippocampus
Type of the Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
In my personal opinion questions of the last review have not yet been answered. The manuscript has clarifications to the abstract and methodology; however there are many points to be included to demonstrate cadmium toxicity. a) How authors determine 21 days after Cd treatment (group b) their toxicity or oxidative stress induction. b) What means SOD and GPx activity without clarification about procedure (standard curves or positive control), after 21 days. Determinations represent the effect of the last administration? Why antioxidant activity (SOD) of untreated animals is similar to cadmium sulphate treated? c) Is impossible to determine metal concentration pertinence due to reference 18 (incomplete) or authors justification. How authors demonstrate that metal concentration is sufficient to reach brain by intra peritoneal injection? d) Experimental design is a dark box, without demonstration of toxic effects of cadmium sulphate. In addition, the main manuscript still presenting typographic mistakes and references miss data. IARC classification is by groups 1A, 2A, 2B, etc....authors did not change nomenclature in the text. Results is a tables and figures collection.	A previous pilot study had been conducted [in line with our previous literature review] Positive Control; in biological milieu, events are not discrete and independent; Cadmium intoxication was induced once and for all for all groups and the effects, even from Group B could be seen to have lasted till the termination of experiment [there are histological evidences to corroborate this finding; but not within the current scope of report] Cadmium at the dosage used would cross the Blood Brain Barrier; Intra-peritoneal injection is a suitable alternative to intramuscular or orogastric route; this has been demonstrated. In biomedical sciences, agents are known to have potentials to be transported to their site of action especially through the blood; intra-peritoneal injection of rat has been proven to be adequate and suitable, especially as used in the current study. Please do note that choices of methods and assessment of them is not absolutely a factor of opinions and sentiments; but based on scientific principles and established procedures from reputable literatures [you may consult a few of them] Group B solely illustrate the possible sole effects of cadmium toxicity: see line 92-94 [Group B's rationale was to observe the sole effects of cadmium poisoning on the hippocampus] Cadmium is classified Group 1 [no 1A or 1B or 1C other include 2A, 2B, 3 and 4] [see correction]; Considered suitable by the authors; yet devoid of ambiguity for the readership