



SDI Review Form 1.6

Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_JAMPS_21835
Title of the Manuscript:	EFFECTS OF RESVERATROL ON RELATIVE ORGAN WEIGHTS, BLOOD LEAD LEVELS, SERUM KIDNEY FUNCTION AND ELECTROLYTES LEVELS IN LEAD-INDUCED TOXICITY IN MALE WISTAR RATS.
Type of the Article	Original Research 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:

(<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	The abstract has to be in structured summary: it should include the background and the conclusion. What is the function of Succimer in this work? State it in the introduction or the discussion. It seems to have some blood lead reducing effect.	Resveratrol is a potent antioxidant, demonstrated to ameliorate adverse effects of heat stress-induced toxicity. Information on the ameliorative effect of resveratrol on heavy metals induced organ toxicity is scanty. Succimer is a standard drug used in the treatment of lead poisoning. It has chelating property and therefore reducing blood lead level.
Minor REVISION comments	Line 22. Blood and plasma samples were evaluated for blood lead levels (BLLs) and biochemical analysis. This is redundant statement, so remove it or place it at the appropriate place. Line 10. Is it 10g/l body weight ? Line 67. Is it 3, 5, 4'-trihydroxystilbene or 3,4,5 trihydroxystilbene? Line 138... change to: in the six groups above. Did any of the animals die during the work? Line 153: At the end of treatment duration (5 days)..Is 5days or 19 day? Line 156... Re-write the formula well.	Blood lead levels (BLLs) and biochemical parameters were evaluated. Yes (3,5',4-trihydroxystilbene) In the six groups above Yes two animals died during (2 weeks) induction of lead acetate 19 days since there was 14 days lead acetate induction and then treatment with succimer and resveratrol for 5 days



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	Result. State the mean weight of the groups before the experiment and after the end of the experiment and compare them. 172 But there is decreased in relative organ weights in positive control group when compared to Resveratrol-treated groups....state that it is not significant, Line 185 Table 3.1 Effect of Resveratrol on Serum kidney function in Lead-induced Toxicity in Male Wistar Rats should come to the top of the table not below it. Discussion; line 218: This harmful effect of lead on the body weight gain was reduced relative to the increase of resveratrol dose as observed in this experiment. This your work did not show this, as there was no significant difference between groups 4 and 5 in terms of organ weights. Line 227. In the current study, the serum urea concentration was high in positive control group of the male wistar rats even though it wasn't significant. Then, why are you associating the increase in urea to lead and resveratrol as nephroprotective? the difference is not significant among the groups. Line 234 : group 4 and 6 male wistar rats change to groups 4 and 6 male.....	ROW = $\frac{\text{Absolute organ weight (g)}}{\text{Body weight of rat on sacrifice day (g)}} \times 100$ Before (day 0), during (day 7) and after the treatment (day 19) and groups were compared. Not significant The title of the table is corrected as instructed It was not statistically significant but the result showed reduced body and organ weights. Because there was an increased in urea concentration in the positive control when compared to resveratrol-treated groups, although it wasn't statistically significant. This show that resveratrol has ability of lowering urea concentration in lead poisoned male wistar rats
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	line 253 :From the data revealed, the reduction in serum sodium, bicarbonate and chloride may be as result of tubular damage and necrosis but the serum levels of these electrolytes were not significantly different among the groups. Conclusion : In conclusion, the induction of lead acetate in male wistar rats have causes serious toxicopathological change in the internal organs of the animals. Change to : In conclusion, the induction of lead acetate in male wistar rats caused serious toxicopathological change in the internal organs of the animals Resveratrol have showed an improved body and relative organ weights in lead poisoned male wistar rats. Change have to has Resveratrol have significantly decrease BLLs in lead poisoned male wistar rats. Change have to has The conclusion should be re-written to reflect the findings of the work. Eg..the work did not show that resveratrol improves signicantly on the organ weights.	Corrected Yes, there was no statistically significant in the serum electrolytes level but there were reduced levels of electrolytes among the groups. But if not convince please make appropriate corrections thanks In conclusion, the induction of lead acetate in male wistar rats caused serious toxicopathological change in the internal organs of the animals. Resveratrol has showed an improved body and relative organ weights in lead poisoned male wistar rats. Resveratrol has significantly decrease BLLs in lead poisoned male wistar rats
<u>Optional/General</u> comments		Please other correction should be effected. Thanks for maximum consideration.