

Review Form 3

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| Journal Name: | Journal of Complementary and Alternative Medical Research |
| Manuscript Number: | Ms_JOCAMR_122652 |
| Title of the Manuscript: | Cadmium-induced Reproductive Toxicity in Male Wistar Rats: Ameliorative effect of STC30, a Polyherbal Remedy |
| Type of the Article | Original Research study |

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PART 1: Review Comments

| Compulsory 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. | This manuscript seems interesting | |
| Is the title of the article suitable? (If not please suggest an alternative title) | No, I suggest focussing on the testicular toxicity instead of reproductive toxicity since only testis, cauda part of vas deferens included in current study. It could be "the ameliorative effect of STC30, a Polyherbal Remedy on Cadmium-induced testicular Toxicity in Male 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. | It contains more than 300 words that could be minimized to 250 to avoid prolongation | |
| Are subsections and structure of the manuscript appropriate? | There is no difference in showing the data between the results part and the discussion part. The discussion should include the proposed mechanisms for the generation of oxidative stress like increasing in reactive oxygen species with explanation to their role in oxidative damage. | |
| 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. | it has great significance for male reproduction for those who are going through environmental pollution | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | Some are too old and required to be updated | |
| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | There are a remarkable typing errors and grammatical errors deserve extensive English revision | |
| Optional/General comments | <ol style="list-style-type: none"> 1. route of administration of phenobarbital required to be mentioned. 2. how many times the treatment was given daily (once, twice). 3. they could add a picture to show the viable sperm and dead sperm. 4. they add a simple explainable scheme for the study design. 5. proposed mechanism should be included so that the paper cited in the future. 6. STC30 is an abbreviation, the full name should be mentioned a least once. | |

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

Reviewer Details:

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| Name: | Shaimaa Ali Hussein |
| Department, University & Country | Al-Nahrain University, College of Medicine, Iraq |