Author's response to reviews

Title: Evaluation of antiarthritic activity of Strychnos potatorum Linn seeds in Freund's adjuvant induced arthritic rat model

Authors:

Sanmugapriya Ekambaram (sanmug77@gmail.com)
Venkataraman Subramanian (svee1944@rediffmail.com)

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Author's response to reviews: see over
Actions taken for the reviewer’s comments on the article entitled “EVALUATION OF ANTIARTHRITIC ACTIVITY OF STRYCHNOS POTATORUM LINN SEEDS IN FREUND’S ADJUVANT INDUCED ARTHRITIC RAT MODEL”

Reviewer No.1:

Specific:

1. Page marks, change in titles, deletion of the word normalize, voucher specimen mentioning, CPCSEA approval, has been carried out.

2. Hot water decoction was carried out. Automatically it means that the temperature is 100°C. If it is not required, it is removed. The same procedure was adopted and the extract was used for the study. Actually with methanolic extract we didn’t get many constituents when compared with hot water extract. We compared it and then only it was chosen.

3. As the plant contains mostly polysaccharides, mainly galactomannans (quoted in the introduction part, article antiulcerogenic activity of S.P seeds by us). The yield is more because it consists full mucus gummy material. That’s why such a huge yield.

4. Other corrections were carried out.

5. Basis for dose selection is the analgesic and anti-inflammatory activity of the same extracts was carried out at two different doses (100 and 200). Graded response was obtained. Also in the toxicity studies it did not show any toxicity up to 2000mg/kg. 1/10th is considered for activity.

6. Blood collection in plain tubes is for haematological studies. With EDTA is for biochemical studies.

7. Blood sugar parameter is deleted. Whereas BW is not deleted. As the other reviewer is interested in it. Also in most of the references it is seen.

8. Discussion part is fully revised. The unwanted references have been removed.

9. Table 1. The rat paw edema value has been converted to percentage inhibition and given in parentheses.

10. Tables 3, 4, 5 have been combined.

11. Important parameters for antiarthritic activity like histopathology and radiology has been included.
Reviewer no.2

1. The body weight graph has been changed accordingly. Body weight vs time.

2. Family has been put in bracket.

3. The name of the groups has been revised according to the suggestions given.

4. Histopathological and radiological studies have been included in the article as an additional confirmation of antiarthritic activity.

5. As per the suggestion of the reviewer the future studies will be planned.

Reviewer no.3

Histopathological and radiological studies have been included in the article as a confirmation for the conclusion of antiarthritic activity.

Final conclusion:

Almost all the corrections and comments of the reviewers has been answered and corrected. The main inclusion in the article is the histopathological and radiological studies for confirmation of the activity.