Author's response to reviews

Title: Acute toxicity, Brine shrimp cytotoxicity, anthelmintic and relaxant potentials of fruits of Rubus fruticosus Agg.

Authors:

Niaz Ali (niazpharmacist@yahoo.com)
Umer Aleem (umaraleem@yahoo.com)
Syed Wadood Ali Shah (wadudalishah@yahoo.com)
Ismail Shah (ismailshah09@yahoo.com)
Muhammad Junaid (juni.phdr@yahoo.com)
Ghayour Ahmed (pharmacist@gmail.com)
Waqar Ali (waqarmohmadzai@yahoo.com)
Mehreen Ghias (mehreenghias@yahoo.com)

Version: 3 Date: 19 May 2013

Author's response to reviews: see over
Title: Acute toxicity, Brine shrimp cytotoxicity, anthelminthic and relaxant potentials of fruits of Rubus fruticosus Agg.

Version: 2 Date: 18th May, 2013

Reviewer: Richard Cimanga Kanyanga

Following corrections have been done as asked by the reviewer.

Background

Give the nature of the extract which is used in all experiments

Answer: The nature of extract is mentioned as asked.

Results

How you can explain the high percentage of 137.5% of anthelmintic activity of albendazole?

Answer: The effects of the test extract are quantified as % of albendazole (10 mg/ml), where the response of albendazole was considered as standard (100%) as it is regarded as standard drug. The % response is calculated from the time recorded for paralysis and death of the parasite. The discussion is elaborated to express as times of albendazole. Thus we can say that the anthelmintic activity is 1.37 times of albendazole.

This may also be approached at following URLs as per our previous published work:

http://www.biomedcentral.com/1472-6882/11/106
http://www.biomedcentral.com/1472-6882/12/29

Page 3

Parag.4 L2: write as antidiarrheal

Answer: rectified as suggested

Page 5

-Data recording.....

This method is not good reported since it is not possible to be repeated by an other scientist. This need correction, it will be written clearly and concisely.

Answer: In fact these were the setting parameters for recording the response on spontaneous and KCl induced contractions. However they are removed and placed in the relevant section on page # 6 in section “Effects on spontaneous rabbits’ jejunum preparations and KCl induced contractions”.

-Acute toxicity

The method is not also good written since some important elements are missed i.e route of administration of the extract, time of observation of animals for side effects, way of administration. This need to be completed and rewritten good

Answer: The desired parameters are now written in the manuscript as asked.

Page 6

L2: How have you counted the shrimps killed?
**Answer:** Visual counting of dead brine shrimps (laying at bottom) was noted.

- Anthelmintic activity

L5: write ....concentrations of 10......instead of concentraions 10...

**Answer:** Rectified as suggested

Effect on spontaneous.....

The method is not also clearly written. How have you procated the contractions (stimulation) of jejeum?. This part is correction

**Answer:** many thanks for observations. But sir, you know that these are spontaneous (itself generated, not induced) contractions. This provides the researchers an opportunity for quantifying the relaxing effect of test samples directly. The method is well documented and the authors have many publications. Therefore, we request that this observation may be waved off.

Page 7-8

Is there a correlation between the cytotoxic effect of en extract against Brine shrimps and the anticancer activity? In this study, KB cell lines (human nasopharyneal carcinoma) were not used? How you can explain this correlation that you have evocated?

**Answer:** yes there have been reports of correlation between the cytotoxic effects of an extract against Brine shrimps and the anticancer activity. This is coined on the basis of reported literature as it was not a part of our study. Reference is added as reference no: 25. Moreover we have already mentioned that this is based on previous literature reports (kindly refer to results and discussion section).

Hope the reviewer will consider it for publication now.

References

7. L3; write J Med Res (give a space

12,14, 16, 22, 39: give a space between the chifer ans (Suppl.) 20. Gen Pharmacol must be written in italic

**Answer:** Rectified as per format of the journal.

The manuscript need major revision mainly regarding the methodology:

**Answer:** the methodology section is revised as per your comments and our previous published work.

File with track changes on is attached for easy reference as an additional file to give prompt decision.

Regards!