Author's response to reviews

Title: Antidiabetic and renoprotective effects of the chloroform extract of Terminalia chebula Retz. seeds in streptozotocin-induced diabetic rats

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Author's response to reviews: see over
Answers for Reviewer’s report I

Title: Anti-hyperglycemic and renal protective properties of *Terminalia chebula* seed powder chloroform extract in streptozotocin-induced diabetic rats.

Manuscript No: 1787908154687251

Journal: BMC Complementary and Alternative Medicine

The manuscript has been revised after taking into consideration of the reviewer’s comments. Point-by-point responses to the comments are provided below:

Minor Essential Revisions
- As suggested by the reviewer, the sections in the abstract on the long term study is edited to avoid ambiguity.
- The indigenous system given in the introduction section is now written in detail.
- The method used to measure blood glucose (glucose-oxidase/peroxidase) is now specified clearly.
- Regarding the sentence in paragraph 6 of results section, a control group was also included in our studies. Urine samples were collected from all the 3 groups before the induction of diabetes (0 week) and after 8 weeks of daily treatments either with vehicle (control), *T. chebula* (300 mg/kg) or glibenclamide (0.04 mg/kg) in streptozotocin-induced diabetic rats. However, we do agree with the reviewer’s opinion that samples from another point (pre-treatment diabetic state) would have added much more information.
- The manuscript is re-drafted with special attention to grammatical and typographical errors as suggested.

Answers for Reviewer’s report II

Title: Anti-hyperglycemic and renal protective properties of *Terminalia chebula* seed powder chloroform extract in streptozotocin-induced diabetic rats.

Manuscript No: 1787908154687251

Journal: BMC Complementary and Alternative Medicine

The manuscript has been revised after taking into consideration of the reviewer’s comments. Point-by-point responses to the comments are provided below:

Major Compulsory Revisions

1. As suggested, the manuscript is now corrected for spelling errors and language.
2 & 3. The rationale for testing the seed extract of *T. chebula* is to evaluate whether the seeds of the plant have any medicinal values. Although the fruit of *T. chebula* is widely known for its therapeutic properties, the whole powder of dried ripe fruits is also being frequently prescribed by Ayurvedic practitioners. So far, it is not known scientifically whether the seeds have any beneficial actions. Therefore, the present study would be a preliminary evaluation of the seed extract of *T. chebula*. Furthermore, since a massive cellular damage occurs in the lipidic environment of cell structures, a more lipid soluble (chloroform soluble) principle would have a potent action in combating the damage of lipid structures.

4. Since we used a crude extract in our studies, it amounts to 21 g/day as an equivalent dose to a diabetic patient. However, when comes to the active principle, the daily human dose can be greatly reduced.

5. The manuscript is now revised extensively considering the comments of both the reviewers.