Reviewer's report

Title: Evaluation of Wound Healing and Invivo anti-inflammatory Activity of Rhizomes of Rumex abyssinicus J. in Mice

Version: 4 Date: 22 March 2015

Reviewer: Mary T. "Terry" Loghmani

Reviewer's report:

Thank you for the opportunity to review this manuscript submission. The topic is interesting and potentially of scientific merit and importance; however, as it is written I am unable to make a recommendation for publication. I have attached the document with some of my edits and comments. This is not an exhaustive edit, nor is it meant for public access; however, it is more thorough and specific than what is listed below, and it may prove of some benefit to the authors.

Major Compulsory Revisions

Some major compulsory revisions will need to be made to determine the appropriateness of this manuscript for publication. It needs to be re-written with grammar and spelling errors corrected to make it easier/possible for the reader to follow. The title needs to more directly reflect what has been found by this research. The purpose and design needs to be more clearly described to make the research procedures and related findings more decipherable. The type of wound(s) under consideration needs to be specified clearly. The types of treatments and their rationale for selection were not clearly described. Of significant concern, is that the research groups need to be clearly defined, and better rationales provided for the difference in the types of animals for the different experiments and the methods/rationale for the outcomes selected. A chart listing the groups may help with this. Presenting the data as graphs with significance differences between groups would be helpful to more quickly interpret the findings. This needs to be tied to the discussion. Limitations need to be listed. Overall, there needs to be greater clarity, consistency and coherence between all elements of the manuscript in order for its scientific merit to be better communicated and evaluated.

I could not find several of the references, either because my library does not have access to some/many of the journals or the references were from a book, or of significant concern, is that some of the articles simply could not be found on PubMed as cited.

Minor Essential Revisions

Figures of the wound healing between groups would be very helpful and interesting.

I could not fully discern if the authors were building on some of their own, previous work.
In conclusion, since traditional plant-based medicine could have significant global health implications, and their efforts/interest in this area are commendable, I would encourage the authors to revise and re-submit.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Not suitable for publication unless extensively edited

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

'I declare that I have no competing interests'