Author's response to reviews

Title: Evaluation of wound Healing and anti-inflammatory activity of the rhizomes of Rumex abyssinicus J. (Polygonaceae) in Mice

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Author's response to reviews: see over
Dear Editor,

Thank you for giving us an opportunity to revise our manuscript. We also thank the reviewers for their constructive criticisms. We have looked at the comments forwarded and provided a point-by-point response as described below. We hope that the MS is now in a good shape after this revision and would be suitable for publication in your esteemed journal.

Kind regards
Ephrem Engidawork (PhD)

Response to Reviewer 1: Andrea Aro

- In my opinion, the manuscript is not appropriate for publication in this currently form. No previously recommended analysis was included which could largely improve the manuscript.

  Analysis was done regarding researches conducted on the plant is summarized in line…86-97, 299-302, 312-313, 355-368.

Response to Reviewer 2: Priyanga Ranasinghe

Reviewer's report:

- I am happy with the changes..

  Thank you for acknowledging our effort.

Response to Reviewer 3: Mary T. "Terry" Loghmani

- Spelling and grammar errors remain that need to be corrected before publication. A document with tracked changes has been attached with these suggested edits included.

  We have not got the track changes. However, we have made the utmost effort to look edit the MS.

- Abstract (Line 50) Key words: change to Anti-inflammation, and omit ‘activity’ after Wound Healing

  Accommodated

- Introduction (Lines 74) Re-word to: “This cost is unthinkable…”
Accommodated

- Material and Methods (Line 141) Clarify how often the wounds were checked over the 14 day period, e.g. on a daily basis
  Stated ...line 141
- (Line 144) Add: after excision model: (described in 2.7) (Line 148) Add: after incision model: (described in 2.8)
  Grouping explained under section 2.6 are indicated at their appropriate place in Section 2.7 and 2.8.
- (Line 154) Change Group IV to “Group V was treated with indomethacin...”
  Changed...line 154
- (Line 167) Add: after “every 2 days after wound formation...” how long the wounds were measured.
  Changed and stated
- Discussion: Include brief discussion of a) limitations of the study and b) future directions
  Included, see Line 370-374
- Legends to Figures (Line 554) Add a brief explanation on what is being performed in figure 2B
  Added...line 554
- (Line 556) Describe what the image is illustrating, e.g. redness indicating skin irritation
  Described as suggested
- (Line 560) Briefly summarize the findings, e.g succinctly explain what the chart suggests
  Summarized
- Figure 1. Check formatting. Did not print out clearly
  Corrected
- Figure 4. Correct y-axis.
  Corrected

Response to Reviewer 4: Hyo-Jeong Lee

- Manuscript needs to be carefully revised and corrected in terms of language and grammar.
  Corrected
- In materials and methods. Please describe the composition of the ointment.
Described … Table 1

- Why did you choose oral administration in this study?

  There are no many studies comparing topical and oral anti-inflammatory agents. Most studies use oral agents and topical preparations can be used as alternatives. Both seem to have an equivalent effectiveness and side effect profile. Thus, selection was a matter of convenience.