Reviewer's report

Title: Evaluation of acute toxicity and gastroprotective activity of curcuma purpurascens Bl. rhizome against ethanol-induced gastric mucosal injury in rats

Version: 1 Date: 11 June 2014

Reviewer: Mohamed Morsy

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Minor Essential Revisions

1. In the second paragraph in "Background", the authors wrote "Numerous plants from a variety of taxonomic families have been studied for their anti-ulcer activities" and they used reference (11) for that sentence. However, this reference is about Adiponectin-Metformin not a plant constituent.

2. In "Results" section "pH of gastric content and determination of mucus production" and "Histological assessment of gastric lesions" the authors wrote "dose dependent", however it is better to write "high and low dose" as we usually do not say "dose dependent" unless the doses are 3 or more.

3. It is better that the authors explain why they used only hexane extract. What about other types of extracts?

4. It was better that attempts to be made to separate the principally active anti-ulcer constituents and study their respective effects.

5. In Figure 4, why the scale bar is only in Fig 4D&E not in A-C.

6. In Fig 5B (ethanol-induced ulcer) for HSP70 the mucosa seems as the normal control regarding the thickness and integrity of the surface, why?

7. The manuscript needs refining in writing eg the "Methods" section is too long.

8. The authors will benefit from checking spelling and grammar mistakes eg in "Immunohistochemical evaluation" in "Methods" "Diaminobenzidined" should be "Diaminobenzidine". In addition, "reactive oxygen species (ROS)" was written 3 times in "Discussion" but the authors should use the abbreviation not the full name if it is already abbreviated.

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

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests