Reviewer’s report

Title: Sheng-ji Hua-yu Formula Promotes Diabetic Wound Healing of Re-epithelization via Activin/Follistatin Regulation

Version: 0 Date: 21 Aug 2017

Reviewer: Fikriye URAS

Reviewer's report:

The manuscript "Sheng-ji Hua-yu Formula Promotes Diabetic Wound Healing of Re-epithelization via Activin/Follistatin Regulation" is an interesting study. I suggested some changes, additions and corrections on the pdf file.

Please note the following points:

The first sentence of Background has no current information on the world prevalence of diabetes and its English language is not correct: "The world prevalence of diabetes among adults (aged 20-79 years) will be 6.4%, affecting 285 million adults in 2010, and this number is estimated to 439 million adults by 2030". The authors should correct it.

The authors should check the sentences below (in Methods) and clarify which membrane they used, nitrocellulose or PVDF?:

"The protein was transferred from polyacrylamide gel to nitrocellulose filter membrane with Bio-Rad transfer system for 2h in ice bath, 100V. The protein was dyed in Ponceau S staining solution for 5 to 10 min and then washed with water. The PVDF membrane with the target protein was tailored according to molecular mass."

There are lots of typographical and English grammatical mistakes which should be corrected by a native English speaker and an expert on technical issues. Some examples:

Background:

"They transducer the signaling through ....." (Paragraph 2 Line 9)
Methods:

"The detection of SJHY Formula was analyzed by Shimadzu was analyzed by LC-MS"

"The caudal is venous blood of mice was drawn on day 1st, 3rd, 5th, 7th, 11th."

"Four groups at a time, and its blood glucose level was measured with Roche ACCU-CHEK ACTIVE Glucometer"

"Dissolved streptozotocin in sodium citrate buffer solution (0.1M,pH=4.5) into 2% solution."

The authors should use accepted formatting conventions for gene and protein symbols in a consistent manner throughout the manuscript.

Lots of times in which abbreviations occur without explanation. A first-time occurrence should give the abbreviation with the full name supplied, thereafter just the short form. The list of abbreviations is not complete.

The authors should provide keywords from Pubmed MeSH Browser 2017. Some of the keywords, such as "diabetic wound healing" and "Activin/Follistatin regulation", need to be changed.

I would recommend that the authors give the limitations of this study and further studies in Discussion.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.
I recommend additional statistical review

**Quality of written English**
Please indicate the quality of language in the manuscript:

Not suitable for publication unless extensively edited

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