Reviewer’s report

**Title:** Protective effects of methanolic extract of Juglans regia L. leaf on streptozotocin-induced diabetic peripheral neuropathy in rats

**Version:** 0 **Date:** 17 Aug 2017

**Reviewer:** Sayyed Alireza Talaei

**Reviewer's report:**

The title is concise. "Protective effects of methanolic extract of Juglans regia L. leaf on streptozotocin-induced diabetic peripheral neuropathy in rats" could be a complete form of the title.

The authors have mentioned in "Abstract": "whereas other diabetic rats received only isotonic saline as the same volume of GRL leaf extract", but they have introduced the vehicle group as: "Vehicle group, which received only buffer citrate as the same volume of STZ"

"Rats" and "Streptozocin" could be selected as keywords.

The time schedule of the experiment is written in some places weekly (line 13, page 10, etc.) and in other places daily (line 23, page 10, etc.). The authors must resolve this discrepancy.

Why the researchers have administrated the extract from 5th week in "Curative group"? I mean how they can prove that peripheral neuropathy have started from 5th week?

The biochemistry tests were introduced very concisely. What do the authors mean this statement: "The absorbance of the supernatant was measured by spectrophotometry"? What supernatant?!!

It is better to write the CAT NO. of antibodies were used in the experiment.

The one-way ANOVA test is not appropriate for statistical analysis of the data, because all of the measurements repeated 4 times.

It is mentioned that "There was a significant difference (p<0.001) in the nociceptive score at the end of the study (8th week) between STZ and Preventive or Curative treatment group" (line 50, page 14), but the bars and antennas of figure 2 do not reveal any statistical difference at 8th week!

All of the abbreviations should be written in complete form when they appear in the text for the first time, like FBG (line 50, page 6), GCMS (line 31, page 7), etc.

The names of genus and species are written in italic form initiated by capital letter usually. Also, there are some typewriting errors like "anomal" (line 46, page 25)
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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 am able to assess the statistics

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

Needs some language corrections before being published

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?
If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal