Reviewer's report

Title: Haloperidol affects bones while clozapine alters metabolic parameters - sex specific effects in rats perinatally treated with phencyclidine

Version: 0 Date: 09 Jul 2017

Reviewer: Elena Enioutina

Reviewer's report:

I have enjoyed reading the manuscript submitted by Tatjana Nikolić and colleagues. Results presented by the group have demonstrated some negative and positive side effects as a result of chronic treatment of experimental animals with antipsychotic drugs.

Below are several comments and recommendation that I believe will improve quality of this manuscript:

1. I believe that title of the manuscript should be changed to the conclusion type of title. It will attract more readers.

2. Introduction, pages 5-6, lines 60 and 4. Please, explain what does it mean "positive and negative symptoms"

3. Material and Methods. Page 9, lines 1-18. This paragraph should be moved to subsection 2.1 after sentence: "Food and water were available ad libitum throughout the experiment."

4. Discussion section. General comment. While I like the direction of the discussion of the side effect problems, but it sounds more like a review article or introduction to the paper. It will be beneficial for the manuscript, if authors will discuss more of their results and how these results have corresponded to already published preclinical and/or clinical observations.

5. Lastly, this manuscript needs to be read by English native speaker and edited. For example, the abstract starts from the sentence: "The expression of schizophrenia (SCH) is different between the sexes." Maybe it will be better to say: "The presentation of schizophrenia (SCH) symptoms is different between the sexes".
Additionally, second paragraph in the discussion section, page 18. There are so many abbreviations that it is difficult to keep in mind what is what. It will be easy to read this manuscript, if authors will spell out some abbreviation in the discussion section and other places with excessive number of abbreviations.

**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 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
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