Reviewer's report

Title: Effect of green tea extracts on oxaliplatin-induced peripheral neuropathy in rats

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Reviewer: Stanislava Jergova

Reviewer's report:

This manuscript describes the effect of green tea extracts on oxaliplatin-induced peripheral neuropathy in rats. The authors combined behavioral, electrophysiological and histological analysis to study the effect of green tea extract in experimental animals. The data demonstrated that animals treated with green tea extract experienced alleviation of tactile allodynia at four and six weeks of treatment compared to control animals. However, the electrophysiological and histological analysis did not reveal significant differences between treated and untreated rats. The study is designed well, although using a greater number of animals is recommended for behavioral experiments in the future. Authors discuss the data with relevant studies and draw rational conclusions. There are several minor points that need to be addressed by the authors:

Minor points:
1) In the Materials and Methods section, the authors mention forepaws and hind paws test for tactile allodynia, but testing of the hind paws only is mentioned in the following text.
2) The evaluation of tactile allodynia needs to be better described- what fibers were used, number of trials, evaluation of data.
3) Legends for the tables are missing.
4) The figure legends should be more elaborate, with short commentary about each figure and explanation of the plot legend.
5) The marks of significant differences should be added to the appropriate figures and also to figure legends.
6) Fig.3: Both groups are labeled as Group I.
7) The same color for the group should be used in all plots for consistency and better understanding (Group I is black in Fig. 1 but white in the other figures).

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

Quality of written English: Acceptable

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' below.