Reviewer's report

Title: Honey reduces blood alcohol concentration but not affects the level of serum MDA and GSH-Px activity in intoxicated male mice models

Version: 4 Date: 1 May 2015

Reviewer: Sui-Chu Yin

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Major Compulsory Revisions:
1. Figure S1 is not a good result, especially the 1.38g/kg Glu treatment at 60 min, which the autonomic activity is less than the Saline group, why? In fact, this experiment is not critically designed, the authors should add original group to the experiment for simultaneous comparison.
2. In the “Abstract”, paragraph “Conclusion”, lines 1-2, the authors state that the anti-intoxication activity of honey could result mainly from the effect of the fructose contained in the honey, but there was no mention any fructose-related data in the “Abstract”, paragraph “Results”. Conclusions must be based on the data results.

Minor Essential Revisions:
1. The data for figure S1 were sampled at 20, 40, 60 min, while the scale (X-axis) is labeled as 10, 30, 50, 70 min. Please change the scale to 20-min intervals to help the readers.
2. The labels of the figures are not clear enough to understand easily. For example, in figure S1, what is the meant by “Activity numbers”? The same problem as in figure 2, Y-axis lack of labeling.
3. The description of “Optimization of intoxication dosage for mice” in the section of “Results”, is the same as previously submitted version, also marked with yellow background, why?

Level of interest: An article of limited interest

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

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I declare that I have no competing interests.