

Review of: "Hepatoprotective Effect of the Ursolic Acid-Oleanolic Acid Mixture Administered Intragastrically in Mice with Liver Damage Induced by Anti-TB Drugs"

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Potential competing interests: No potential competing interests to declare.

The study "Hepatoprotective Effect of the Ursolic Acid-Oleanolic Acid Mixture Administered Intragastrically in Mice with Liver Damage Induced by Anti-TB Drugs" in general, has an interesting scientific novelty that was well presented. Therefore, the results obtained in this study is relevant and can easily influence further studies, hence, the content is valuable and worth considering it.

However, I have some points that need to be addressed before final acceptance.

General comments

1. Absence of line numbers makes review very difficult.
2. Minor English check needed especially with sentence construction and inputting of punctuations. I suggest the manuscript is checked by an English native speaker.

Title

1. Please, the use of the phrase Hepatoprotective Effect does not reflect results of the study as this study is clearly a curative strategy for an induced disease. Please change this phrase to "Ameliorating effect".
2. Please change "Ursolic Acid-Oleanolic Acid mixture" to "Ursolic and Oleanolic Acid mixture".
3. Please delete the route of administration "Administered Intragastrically" from the title to bring its clarity.
4. Suggested Title: Ursolic and Oleanolic Acid mixture ameliorate liver damage induced by Anti-TB drugs in mice.

Abstract

1. Objectives: similar statement as stated above Title section.
2. Materials and methods: include some important parameters that you measured and what you used to measure in this section briefly.
3. Results: Please include the P=? values so we see the statistical difference.
4. Conclusion: please changed favored to increase

Introduction

1. Please last paragraph must begin with an Upper case letter.
2. Please remove this "nephroprotective effect" since this was not done in this current study.
3. Add a little background about UA/OA acid. Ex. Where they are mostly isolate from, it major pharmacological activity eg antioxidant or anti-inflammation, uses and side effects.
4. Does the UA/OA mixture work synergistically?

Materials and methods

1. What accounted for the selected doses of both the liver damage inducers and the two acid?
2. What was the level of purity of the two compounds?
3. How was the compound mixed together and at what ratio?
4. What was the age of the mice used? And why were only males used for this study?
5. Please list some materials used in the study and the places it was purchased from in this section.
6. I think the experiment model would have been perfect if there was a separate group for only UA and OA administration as well as a normal control given PBS ?

Results and discussion

1. Please include your p-values in this section.
2. Figure 1, please add the unit of the weight gain (g) or make it clearer whether it a relative measurement.
3. Please include liver injury scores to the manuscript.
5. How was the level of damage accessed since after 60 days there was no difference in liver inflammatory markers throughout the study. What could be the course?

Conclusion: Change 60 dias to days.

I suggest major revision of the manuscript