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.

Reviewer Comments

It is my pleasure to honor the revision of this manuscript. This study is really interesting and adding beneficial information about the role of ursolic acid-oleanolic acid mixture as a hepatoprotective agent.

Comments:

For the study as a whole: Numbering should be added to the titles and subtitles.

Abstract:

Results: (At the histological level, a slight reduction of steatosis in the group that received the UA/OA mixture at 10 mg/kg was observed with **respect to the group with** hepatic damage and with the UA/OA group at 20 mg/kg. The UA/OA mixture at 10 mg/kg showed a good HPP effect). **This paragraph needs to be written more clearly to show the intended meaning.**

Introduction:

- References should be written in a uniform manner. Some are written in light blue; others are written in black with difference in the shape of brackets.
- **"This can result in fulminant hepatitis HPT".** This sentence is not perfect. Remove either hepatitis or HPT.
- **"This mixture has several biological activities such as anti-inflammatory, antinociceptive, antimicrobial, antitubercular, antiviral, antiparasitic, low toxicity, anti-cancer, antitumoral, and antioxidant; it also has HPP effects against the damage caused by carbon tetrachloride, EtOH, D-galactosamine, cadmium, benzene and thioacetamide, among others substance".** This sentence is very long. It should be divided into more than one sentence.

Material and method:

- **Hepatoprotector activity:** this title is not coinciding with the information written below it. It is better to change this title to be **experimental design**.
- What does **GPC** stand for?
- Please write the total number of mice used in the study and the number in each group.

Results:

- **Obtaining and identification of the UA/OA mixture: "From 10 g of MeOH extract of R. officinalis, 3.10 gr of white dust was obtained with a melting point of 265-269 °C, behind a chemical fractionation in NP-CC of CHCl3 and MeOH washes. This white dust was identified as a UA/OA mixture 1H-RMN data and compared with that previously described [16] and by comparison with the reference factor with standard commercial (Sigma).**" This part should be written in material and methods not in results.
- **Results should have the following subtitles to be clearer and more concised:**

1- Body weight gain.

2- biochemical analysis.

3- parameters of oxidative stress.

4- Histological analysis.

- **Measuring the kidney enzymes** should be mentioned in the material and methods with the other biochemical parameters not only in the results.
- **Figure 2:** Please write a detailed legend to compare the findings in the different groups.

Discussion:

- Please write the references in a uniform manner.