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 research proposed by the group of authors is very interesting in the context of the identification of new compounds with hepatoprotective, hepatoregenerative action.

The research analysis was based on:

1. The introduction provides synthesized information about the incidence of tuberculosis, the scoring of associated drugs in patients, but also the multitude of side effects induced with liver damage, sometimes even irreversible; synthesis of research aimed at reducing the liver toxicity of anti-tuberculostatic drugs; some data on natural compounds that are candidates due to induced hepatoprotective effects; data on the ursolic acid/oleanolic acid mixture and its therapeutic virtues;
2. I think the Materials and Methods section is properly presented; the methodology for obtaining the oleanolic acid/ursolic acid mixture is presented, using the Rosmarinus officinalis species as a plant source; the tests performed in order to establish the hepatoprotective effect; to mention that all results are processed statistically;
3. The results and discussions are presented at each stage of the research and are correlated with data from the specialized literature;
4. The conclusions are consistent with the intended purpose and open new premises for further research;
5. The bibliography is justifiable.

The research is original and opens new premises in the study of other natural compounds with hepatoprotective action associated with hepatotoxic medication.