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## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Hepatology*

**Manuscript NO:** 64923

**Title:** Rodent models and metabolomics in non-alcoholic fatty liver disease: What can we learn?

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02832130

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Spain

**Manuscript submission date:** 2021-02-25

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-26 05:07

**Reviewer performed review:** 2021-03-02 10:44

**Review time:** 4 Days and 5 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Peer-reviewer  
statements**

Peer-Review: [  ] Anonymous [  ] Onymous

Conflicts-of-Interest: [  ] Yes [  ] No

### SPECIFIC COMMENTS TO AUTHORS

The authors of this minireview provided a brief introduction to NAFLD hallmarks, the five groups of animal models available for studying NAFLD and the potential role of metabolomics in the study of experimental NAFLD. The subject of this manuscript is of value, but there are a few of defects need to be modified. 1.Should the author describe the current status of NAFLD diagnosis briefly. 2.INTRODUCTION section: Non-alcoholic fatty liver disease (NAFLD) .....Knowing that NAFLD reduces in 4 years life expectancy and leads to the appearance of different comorbidities It is suggested that the author mark or exemplify the main comorbidities. 3.Environmental factors section: Related to environmental factors, it is crucial to highlight dietary habits, reduced physical activity, and even socio-economic aspects associated with the type of diet consumed. This sentence needs to be rewritten more clearly. The language expression of the three factors, dietary habits, reduced physical activity, and even socio-economic aspects, don't seem to match. Reduced physical activity should be changed to: physical activity?Or describe the relationship between the specific changes of the three factors and NAFLD. 4.Intracellular factors section: Very good.