

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 67908

**Title:** Effectiveness of drug interventions in nonalcoholic fatty liver disease: A network meta-analysis

**Reviewer's code:** 05820295

**Position:** Peer Reviewer

**Academic degree:** MBBS

**Professional title:** Doctor, Research Scientist

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

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

**Manuscript submission date:** 2021-05-06

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-06-14 18:06

**Reviewer performed review:** 2021-06-20 12:46

**Review time:** 5 Days and 18 Hours

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 ] Grade E: Do not publish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



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#### **SPECIFIC COMMENTS TO AUTHORS**

The manuscript titled "Effectiveness of Drug Interventions in Nonalcoholic Fatty Liver Disease: A Network Meta-analysis" is a network meta-analysis evaluating effectiveness of various treatments for NAFLD from 22 eligible RCT's & 1377 participants. Overall it appears to be a well conducted and reported meta-analysis with clear cut background, objectives, information sources, search strategy, bias assessment and synthesis of results. PRISMA 2020 checklist must be followed instead of PRISMA 2009 checklist and register name & registration number of the protocol must be provided if the protocol has been registered.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 67908

**Title:** Effectiveness of drug interventions in nonalcoholic fatty liver disease: A network meta-analysis

**Reviewer's code:** 05212440

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Academic Research, Associate Professor

**Reviewer's Country/Territory:** Saudi Arabia

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

**Manuscript submission date:** 2021-05-06

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-06-13 00:36

**Reviewer performed review:** 2021-06-25 20:42

**Review time:** 12 Days and 20 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

This review is very interesting, complete, and contains all the necessary sections with enough data. It is suitable for the remit and purpose of the journal even if some minor revisions needed to be addressed before advice publication. - Please, focus on the rationale and significance of the study in the introduction section. You could add some sentences regarding change habits and lifestyles. - The discussion section needs to be described scientifically. Kindly frame it along the following lines: i. Main findings of the present study ii. Comparison with other studies iii. Implication and explanation of findings iv. Strengths and limitations v. Conclusion, recommendation and future direction. - Explain in short about study limitations. - In the conclusion section, please highlight the scientific/clinical relevance of your work. Please provide a clear “research message” of the importance of this paper in the scientific community.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 67908

**Title:** Effectiveness of drug interventions in nonalcoholic fatty liver disease: A network meta-analysis

**Reviewer's code:** 05275052

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor, Director

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

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

**Manuscript submission date:** 2021-05-06

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-06-15 08:08

**Reviewer performed review:** 2021-06-26 13:12

**Review time:** 11 Days and 5 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input 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 checked="" type="checkbox"/> Accept (General priority) <input 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
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

Dear Authors, thank you for such in-depth analysis of cutting-edge problem "The treatment of nonalcoholic fatty liver disease". The manuscript describes the effectiveness of different treatment strategies for NAFLD, including the possible value of such drugs as GLP-1RAs, metformin, thiazolidinediones or SGLT2 in decreasing the biochemical parameters as HFC, alanine aminotransferase, aspartate aminotransferase, serum  $\gamma$ -glutamyl transferase and body weight. As the result of meta analysis based on twenty-two eligible RCTs including 1377 participants, there is the conclusion that GLP-1RAs may be the optimum choice for most patients with NAFLD and thiazolidinediones are considered the most effective therapies in NAFLD patients with histological disease activity. The manuscript is recommended by me for the publication in World Journal of Diabetes. Simultaneously, there is a lack of research data when the improving of liver parameters was supported by the liver biopsy after the treatment.