



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

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 Grade A: Excellent [] Grade B: Very good [] Grade C: Good [] Grade D: Fair [] Grade E: Do not publish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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

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

Scientific quality	<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
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	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

Scientific quality	<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
Language quality	<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
Conclusion	<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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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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Group**

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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 γ -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.