

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 62483

**Title:** Non-Alcoholic Fatty Liver and Chronic Kidney Disease: Retrospect, Introspect, and Prospect

**Reviewer's code:** 03656613

**Position:** Editorial Board

**Academic degree:** BSc, MD

**Professional title:** Chief Doctor, Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-01-10

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2021-01-12 08:12

**Reviewer performed review:** 2021-01-15 08:14

**Review time:** 3 Days

<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 Grade E: Do not publish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 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 type="checkbox"/> Minor revision <input checked="" 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**

A number of papers on the association of non-alcoholic fatty liver disease (NAFLD) with chronic kidney disease (CKD) have been published. In manuscript, the authors review the comprehensive relations of them including epidemiology, risk factors, genetics, implications of gut dysbiosis, and specific pathogenic mechanisms. The data are interesting. There are problems in the manuscript with need revision. 1 The manuscript should focus on the association of NAFLD with CKD and refine the uncorrelated contents. 2 It is suggested to update references and provide current information such as liver-kidney axis.

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**Name of journal:** World Journal of Gastroenterology

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**Title:** Non-Alcoholic Fatty Liver and Chronic Kidney Disease: Retrospect, Introspect, and Prospect

**Reviewer's code:** 00006518

**Position:** Editorial Board

**Academic degree:** MD, MHSc, PhD

**Professional title:** Associate Professor, Chief Doctor, Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-01-10

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2021-01-13 14:13

**Reviewer performed review:** 2021-01-29 09:55

**Review time:** 15 Days and 19 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 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

## **SPECIFIC COMMENTS TO AUTHORS**

The authors reviewed the epidemiology, risk factors, genetics, implications of gut dysbiosis, and specific pathogenic mechanisms linking non-alcoholic fatty liver disease (NAFLD) to chronic kidney disease (CKD). They addressed the pathogenic mechanism such as ectopic lipid accumulation, cellular signaling abnormalities, insulin resistance. They explored the interplay between fructose consumption, uric acid accumulation, and the development of NAFLD and CKD. They pointed out the implications of CKD in patients with non-alcoholic steatohepatitis (NASH) undergoing liver transplant evaluation and discussing the potential strategies for surveillance and prevention of CKD in NAFLD patients. This manuscript was well-structured with concise summaries of currently available studies and provided a practical reference for healthcare providers who are taking care of NAFLD patients. However, several questions need further clarification by the authors in their current version. 1. The authors stated that ICD-9 is one of the 'diagnostic modalities' for NAFLD (reference 14); however, liver ultrasound, liver chemistry, and liver biopsy are always behind a physician's decision to obtain the diagnosis of NAFLD, please clarify this issue. 2. The study population in reference 79 is Chinese instead of Taiwanese. 3. Please revise the titles for table 2 and table 3 since they address different issues. 4. Give necessary full name to each abbreviation for table 3. 5. Modify figure 3 to a formal style for the journal because it looks like a lecture slide. Delete 'Take-Home Messages' and provide the recommended surveillance intervals if available. 6. Can 'hypothyroid' put in 'risk' list in figure 3?

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 62483

**Title:** Non-Alcoholic Fatty Liver and Chronic Kidney Disease: Retrospect, Introspect, and Prospect

**Reviewer's code:** 00006518

**Position:** Editorial Board

**Academic degree:** MD, MHSc, PhD

**Professional title:** Associate Professor, Chief Doctor, Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-01-10

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-03-08 11:07

**Reviewer performed review:** 2021-03-13 04:17

**Review time:** 4 Days and 17 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>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

## SPECIFIC COMMENTS TO AUTHORS



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I have no further comment.