



## PEER-REVIEW REPORT

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

**Manuscript NO:** 79914

**Title:** Machine learning insights concerning inflammatory and liver-related risk comorbidities in non-communicable and viral diseases

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

**Peer-review model:** Single blind

**Reviewer's code:** 06090125

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Lecturer, Technical Editor

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

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

**Manuscript submission date:** 2022-09-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-12 16:41

**Reviewer performed review:** 2022-09-13 06:02

**Review time:** 13 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 Grade E: Do not publish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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<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 manuscript is well and good at innovation and clears the clarity of the reader. It is well structured and well written. The author does a good job of presenting a highly technical and complicated process in an easy-to-understand manner. Authors need to cross check the reference section by addressing the cited contents in the introduction and related work part. The introduction must be an extended version of the abstract. The authors must elaborate on the points highlighted on the abstract and give supportive ideas and references. The conclusions in this manuscript are primitive. Rewrite your conclusions. References aren't formatted according to rules. Additional References: The following articles could be useful: • Has the Future Started? The Current Growth of Artificial Intelligence, Machine Learning, and Deep Learning. <https://doi.org/10.52866/ijcsm.2022.01.01.013> • A diagnostic testing for people with appendicitis using machine learning techniques. <https://doi.org/10.1007/s11042-022-11939-8> • A Scoping Review of Machine Learning Techniques and Their Utilisation in Predicting Heart Diseases. <https://doi.org/10.30526/35.3.2813>



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**Reviewer's code:** 05789838

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2022-09-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-12 02:56

**Reviewer performed review:** 2022-09-20 15:59

**Review time:** 8 Days and 13 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



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### **SPECIFIC COMMENTS TO AUTHORS**

This is an interesting paper but there are some issues that must be addressed before it can be published: 1. The paper' contribution needs to be stated clearly. 2. It may be helpful to identify the target audience for the paper, given the rather technical nature of research topic. 3. Specify what makes this article different from the rest of studies that are available in the literature. 4. Please summarize the influencing factors of hepatitis and these can be used as a summary of the AI input variables. 5. The contribution of your study needs to be clearly articulated in this section. The contribution is not clear and need to be stated. 6. The section needs to include some recommendations for practitioners based on the findings, if appropriate.



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**Peer-review model:** Single blind

**Reviewer's code:** 06311365

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-09-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-14 15:52

**Reviewer performed review:** 2022-09-22 19:43

**Review time:** 8 Days and 3 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
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### **SPECIFIC COMMENTS TO AUTHORS**

1. Authors could mention papers using image segmentation in Chronic Liver Disease.
2. In conclusion, you should summarize interpret the most significant factors outlined for this disease after analyzing so many papers.
3. You should briefly explain the machine learning performance measures and what they refer to.