



### PEER-REVIEW REPORT

**Name of journal:** Artificial Intelligence in Gastroenterology

**Manuscript NO:** 60114

**Title:** Artificial intelligence and machine learning could support drug development for hepatitis A virus internal ribosomal entry sites

**Reviewer's code:** 05387238

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Associate Research Scientist

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

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

**Manuscript submission date:** 2020-10-15

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-10-18 05:57

**Reviewer performed review:** 2020-10-21 12:24

**Review time:** 3 Days and 6 Hours

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish            |
| <b>Language quality</b>         | <input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing<br><input checked="" 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)<br><input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" 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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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

The authors in this manuscript pretend to write a mini review focusing on AI and machine learning in the area of drug development for hepatitis A virus internal ribosomal entry-site. However, a very short paragraph dedicates to the AI and only to disclose that it be will very useful in this matter. The mini review has no examples or citations from others using AI, no explanation and examples of which are the tools and the sources of information and no details for the development of AI in this area. Additionally, there are spelling errors and the paper needs English editing. The keywords are not reflecting the focus of the manuscript. For example: GRP78 is not related to the manuscript at all. The manuscript need to be rewrote.



## PEER-REVIEW REPORT

**Name of journal:** Artificial Intelligence in Gastroenterology

**Manuscript NO:** 60114

**Title:** Artificial intelligence and machine learning could support drug development for hepatitis A virus internal ribosomal entry sites

**Reviewer's code:** 04737008

**Position:** Editorial Board

**Academic degree:** MD, PhD

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

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

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

**Manuscript submission date:** 2020-10-15

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2020-11-07 16:13

**Reviewer performed review:** 2020-11-18 12:05

**Review time:** 10 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<br><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<br><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)<br><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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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

This is an interesting review about the artificial intelligence and machine learning for anti-HAV drug development. I am very grateful for been chosen as a reviewer for this article. I have learned a lot. This review from Kanda T et al seems to be well summarized and be nicely written for the current topic AI for supporting drug development for anti-HAV internal ribosomal entry site.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** Artificial Intelligence in Gastroenterology

**Manuscript NO:** 60114

**Title:** Artificial intelligence and machine learning could support drug development for hepatitis A virus internal ribosomal entry sites

**Reviewer's code:** 05387238

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Associate Research Scientist

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

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

**Manuscript submission date:** 2020-10-15

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2020-12-30 13:13

**Reviewer performed review:** 2020-12-30 13:33

**Review time:** 1 Hour

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><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<br><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)<br><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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |

### SPECIFIC COMMENTS TO AUTHORS



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The authors answered to the requirements. The added figures increased the level of the mini-review as well as the additional references I recommend to publish the article in the current form.