

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 65350

Title: Why is there no effective Hepatitis C Virus vaccine yet?

Reviewer's code: 04417620

Position: Editorial Board

Academic degree: PhD

Professional title: Postdoc

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: Uruguay

Manuscript submission date: 2021-03-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-05 05:24

Reviewer performed review: 2021-03-06 20:04

Review time: 1 Day and 14 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 Grade E: Do not publish |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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input 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 |

SPECIFIC COMMENTS TO AUTHORS

This review article entitled "In the era of rapid mRNA-based vaccines: Why is there no effective Hepatitis C Virus vaccine yet?" is very interesting, extensive effort and can be accepted for publication after incorporating one minor suggestion. Discussion on the role of computational vaccine design strategies to design a highly conserved and effective HCV vaccine candidate will improve the manuscript.

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 65350

Title: Why is there no effective Hepatitis C Virus vaccine yet?

Reviewer's code: 03475479

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Uruguay

Manuscript submission date: 2021-03-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-04 22:51

Reviewer performed review: 2021-03-07 13:28

Review time: 2 Days and 14 Hours

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|---------------------------------|---|
| Scientific quality | <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 |
| 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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" 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 |



**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

Authors reviewed challenges about anti-HCV vaccine and discussed future possibilities to apply the vaccine. This article was well-addressed and well-written. But, as authors mentioned, DAAs for HCV has been developed and widely used. Vaccines in less-endemic status has smaller values for effective protection. Authors should also discuss economic significance in HCV vaccine.