**Name of journal:** World Journal of Hepatology  
**Manuscript NO:** 68616  
**Title:** Deep learning in hepatocellular carcinoma: Current status and future perspectives  
**Reviewer’s code:** 0050584  
**Position:** Editorial Board  
**Academic degree:** FACS, MD  
**Professional title:** Full Professor, Professor, Surgical Oncologist  
**Reviewer’s Country/Territory:** France  
**Author’s Country/Territory:** United States  
**Manuscript submission date:** 2021-05-28  
**Reviewer chosen by:** AI Technique  
**Reviewer accepted review:** 2021-05-29 08:59  
**Reviewer performed review:** 2021-05-29 18:50  
**Review time:** 9 Hours  

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<th>Scientific quality</th>
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<th>[ ] Grade B: Very good</th>
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<td>Conclusion</td>
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SPECIFIC COMMENTS TO AUTHORS
PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 68616

Title: Deep learning in hepatocellular carcinoma: Current status and future perspectives

Reviewer’s code: 05872335

Position: Editorial Board

Academic degree: MS

Professional title: Academic Fellow, Research Scientist

Reviewer’s Country/Territory: Pakistan

Author’s Country/Territory: United States

Manuscript submission date: 2021-05-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-05-29 02:32

Reviewer performed review: 2021-06-06 12:18

Review time: 8 Days and 9 Hours

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SPECIFIC COMMENTS TO AUTHORS
- Title is good and relevant. - Table 1 actually depicts all the previous study been done on the relevant problem of applying deep learning on hepatocellular carcinoma currently and in future. - Emphasis is seen in the paper but the paper discusses more on the disease and its diagnostic measures rather explaining the AI and deep learning expect of it. - I would recommend to incorporate some technical expertise related information and details related to the application of deep learning in past, present and future.
Name of journal: World Journal of Hepatology

Manuscript NO: 68616

Title: Deep learning in hepatocellular carcinoma: Current status and future perspectives

Reviewer’s code: 05872335

Position: Editorial Board

Academic degree: MS

Professional title: Academic Fellow, Research Scientist

Reviewer’s Country/Territory: Pakistan

Author’s Country/Territory: United States

Manuscript submission date: 2021-05-28

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2021-08-03 03:23

Reviewer performed review: 2021-08-03 10:26

Review time: 7 Hours

Scientific quality
[ ] Grade A: Excellent  [ ] Grade B: Very good  [ ] Grade C: Good
[ ] Grade D: Fair  [ ] Grade E: Do not publish

Language quality
[ ] Grade A: Priority publishing  [ ] Grade B: Minor language polishing
[ ] Grade C: A great deal of language polishing  [ ] Grade D: Rejection

Conclusion
[ ] Accept (High priority)  [ ] Accept (General priority)
[ ] Minor revision  [ ] Major revision  [ ] Rejection

Peer-reviewer statements
Peer-Review: [ ] Anonymous  [ ] Onymous
Conflicts-of-Interest: [ ] Yes  [ ] No

SPECIFIC COMMENTS TO AUTHORs
Paper is good as a mini-review paper of how deep learning would leverage the
diagnosis and prognosis of HCC in future. The paper holds significance for the field of recent advancements in SmartHealth. As a review paper is limited to identify the connection of deep learning to diagnose HCC in future but would require the intervention of technology experts to take it forward for implementation.