PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 77278

Title: Real-World Retrospective Nationwide Cohort Study of Hepatitis B Virological Response and Improvement in Liver Stiffness Measurement in 465 Chronic Hepatitis B (CHB) Patients on Nucleos(t)ide Analogue (NA)Therapy

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02445854

Position: Editorial Board

Academic degree: MD

Professional title: Doctor, Research Assistant Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Canada

Manuscript submission date: 2022-04-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-23 09:56

Reviewer performed review: 2022-04-23 10:16

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection

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

SPECIFIC COMMENTS TO AUTHORS

In November 2021 I reviewed this manuscript that had a different number at that time (manuscript number 73367). The Authors have satisfactorily addressed the reviewer's concern. I don't have any additional comment.

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 77278

Title: Real-World Retrospective Nationwide Cohort Study of Hepatitis B Virological Response and Improvement in Liver Stiffness Measurement in 465 Chronic Hepatitis B (CHB) Patients on Nucleos(t)ide Analogue (NA)Therapy

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05645050

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Canada

Manuscript submission date: 2022-04-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-23 08:41

Reviewer performed review: 2022-05-01 08:21

Review time: 7 Days and 23 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] 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) [Y] Minor revision [ ] Major revision [ ] Rejection

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

SPECIFIC COMMENTS TO AUTHORS

In this retrospective, multi-centre cohort study of 465 CHB patients utilizing the Canadian Hepatitis B Network cohort data, the results highlighted the effectiveness of both antiviral drugs in inducing fibrosis regression in a diverse HBV patient cohort. Although, there was some limitation in this real-world study, it really represented the large North American study conducted to date on long-term follow-up with NA therapy utilizing non-invasive fibrosis assessment method. Several points need to be revised. 1. In the part 1 of results, serum HBVDNA level and ALT levels were similar in both group showed in table 1, these parameters were very important in assessing the therapeutic effect, therefore these findings should be emphasized in words. 2. A greater proportion of persons in the TDF group had advanced fibrosis (>stage F3/4) at baseline compared to LAM due to the local standard clinical practice. These patients were more likely to be HBeAg positive. What's the relationship between advanced fibrosis and HBeAg positive ? 3. In the part 2 of the results, follow-up evaluation and outcomes need to be separated according to different parameters.