PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 84790

Title: Dysregulated microRNAs as a biomarker for diagnosis and prognosis of hepatitis B virus-associated hepatocellular carcinoma

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05387164

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-03-28

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-05-30 02:02

Reviewer performed review: 2023-06-01 02:48

Review time: 2 Days

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] 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 [Y] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Dear author Thank you for the submission of your article to our journal. I respect you for writing your paper with a huge number of reference papers on miRNAs. However, from the reader's point of view, it is very difficult for many readers to read a paper that consists of such a huge amount of sentences and references. Scientific papers should aim to efficiently impart knowledge to researchers by reading papers of appropriate length. You should shorten the text length, limit the references as representative ones, and make your paper as the excellent time performance one before discussing the content of your paper.

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Title: Dysregulated microRNAs as a biomarker for diagnosis and prognosis of hepatitis B virus-associated hepatocellular carcinoma

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04761904

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2023-03-28

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-06-06 09:23

Reviewer performed review: 2023-06-13 08:43

Review time: 6 Days and 23 Hours

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[Y] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[Y] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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SPECIFIC COMMENTS TO AUTHORS

no specific comment

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SPECIFIC COMMENTS TO AUTHORS

The review by Zhang M-H et al. provides an overview of the latest advancements in the utilization of miRNAs for the diagnosis and therapy of HBV-HCC. It elucidates the molecular mechanisms through which HBV regulates miRNAs and examines the precise role of miRNAs in HCC development. The significance of miRNA-based applications in diagnosis, prognosis, and therapy is discussed, considering their potential future integration into the clinical standard of care. Suggestions: It is suggested to include a brief section discussing the main techniques employed for miRNA detection. Although the authors mention the limitations of these techniques, it is important to present their opinions in order to provide a balanced perspective regarding the associations cited throughout the text. Reference 7, which is a review on this topic, should be included to incorporate the authors' viewpoint. Could the description of a long list of markers be avoided by integrating a panel with a specific purpose, which could also be detailed in a table? This would enhance readability and shorten the text. There are numerous specific terms that are abbreviated and need clarification when they are initially mentioned. This includes HBV-related terms such as "HBp" (referring to HBV-associated

serologic markers) and specific markers or stages such as BCLC, AFP, among others.
Please review the English grammar and spelling throughout the text.