PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53430

Title: Development and validation of a prediction model for microvascular invasion in hepatocellular carcinoma

Reviewer's code: 00069423

Position: Editorial Board

Academic degree: MD

Professional title: Professor

Reviewer's country: United States

Author's country: China

Manuscript submission date: 2019-12-19

Reviewer chosen by: Jie Wang

Reviewer accepted review: 2020-01-10 11:07

Reviewer performed review: 2020-01-12 19:27

Review time: 2 Days and 8 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[Y] Grade A: Excellent	[Y] Grade A: Priority publishing	[Y] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] Accept (General priority)	[Y] Anonymous
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[Y] Advanced
			[ ] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

January 12, 2020 Review for World J Gastroenterology "Development and validation of a prediction model for microvascular invasion in hepatocellular carcinoma"　This is an excellent retrospective study that searched for a prediction model for microvascular invasion (MVI) in HCC.　Since MIV is usually found after the surgical resection and the presence of MIV is associated with recurrence and metastasis, their approach to find the risk factors presurgery is of significant value for the treating physicians/surgeons. In their retrospective analysis, the authors identified 4 risk factors independently associated with MVI pre-surgery. Fortunately the factors are all easily available items, tumor size, tumor number, neutrophil count and AFP.　Authors admitted that the results are derived from one institution. However, the numbers of patients they analyzed is a fairly large number of cases.　Thus, their findings may have application for the time being while further studies may confirm their findings.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[　] The same title

[　] Duplicate publication

[　] Plagiarism

[Y] No

BPG Search:

[　] The same title

[　] Duplicate publication

[　] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53430

Title: Development and validation of a prediction model for microvascular invasion in hepatocellular carcinoma

Reviewer's code: 00054255

Position: Editor-in-Chief

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: South Korea

Author's country: China

Manuscript submission date: 2019-12-19

Reviewer chosen by: Jie Wang

Reviewer accepted review: 2020-01-10 21:23

Reviewer performed review: 2020-01-14 08:51

Review time: 3 Days and 11 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[Y] Grade B: Very good	[Y] Grade B: Minor language polishing	[Y] Accept (General priority)	[Y] Anonymous
[ ] Grade C: Good			[ ] Onymous
[ ] Grade D: Fair	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish	[ ] Grade D: Rejection	[ ] Major revision	[ ] Advanced
		[ ] Rejection	[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

This paper is prediction of microvascular invasion that is one of the most important prognostic factor after hepatic resection for the hepatocellular carcinoma, using preoperative clinical and imaging studies with laboratory markers. Predictive value was established based on the results of logistic regression analysis. This data can be used for hepatic resection and transplantation. This is good trial to predict aggressiveness of tumor to decide treatment modality. Discrepancy of samples between test set and validation test in the sample size and chronological difference make attenuate the impact of the data result. More sample size and the similar time set will be required for later validation. In the table 4, the interpretation of significance regarding the result, predicted probability in particular, will be helpful for readers. As authors mentioned that the neutrophil is significant factor unexpectedly, reviewer also have question about this. Elevation of neutrophil is acute inflammatory marker, this is fluctuating. Interpretation regarding this is required.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[ ] The same title

[ ] Duplicate publication

[ ] Plagiarism

[Y] No

BPG Search:

[ ] The same title

[ ] Duplicate publication

[   ] Plagiarism

[Y] No

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53430

Title: Development and validation of a prediction model for microvascular invasion in hepatocellular carcinoma

Reviewer's code: 00054255

Position: Editor-in-Chief

Academic degree: MD, PhD

Professional title: Professor

Reviewer's country: South Korea

Author's country: China

Manuscript submission date: 2019-12-19

Reviewer chosen by: Yu-Qiao Wang

Reviewer accepted review: 2020-03-14 23:43

Reviewer performed review: 2020-03-14 23:59

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[Y] Accept (General priority)	[Y] Anonymous [ ] Onymous
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	[ ] Advanced
[ ] Grade E: Do not publish		[ ] Rejection	[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

Now it is acceptable for publication

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No

BPG Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No