

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 63296

Title: Gastric cancer molecular classification based on immunohistochemistry and in situ hybridization: Analysis in western patients after curative-intent surgery

Reviewer's code: 05458765

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Research Fellow

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2021-01-27

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-03 03:07

Reviewer performed review: 2021-03-17 23:20

Review time: 14 Days and 20 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 Grade E: Do not publish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 type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" 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

Finding a cost-effective and easier way to identifying the molecular subtypes of GC is quite important in clinics. In this MS, the authors retrospectively evaluated tumor tissues from 287 patients with GC, and MSI status, E-cadherin and p53 expression were analyzed by IHC, and EBV by ISH. Following by evaluating the clinicopathological characteristics and long-term survival of GC based on the subgroups of molecular classification. There are some shortcomings need to be further noticed. 1. Introduction part, In the third paragraph, the author mentioned 2 common classification method for GC in molecular way. However, in the next paragraph, they said “both molecular classifications are based on 4 major signatures”. Here, from their description, the two classification methods do not share some common signatures, for example EBV? Please make it clear or revise it. 2. Give a brief introduction why you choose these 4 markers to make the classification, why not others? 3. Showing some clear and magnifying pictures of your staining, for example, showing the different distribution of E-cadherin in cells. 4.

The conclusion that “The IHC/ISH analysis was able to distinguish subtypes of GC with distinct clinicopathological characteristics and prognosis.” is not accurate enough. Prospective study is needed to come to this conclusion. You can only get a possibility from the retrospective study.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Title: Gastric cancer molecular classification based on immunohistochemistry and in situ hybridization: Analysis in western patients after curative-intent surgery

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Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Research Fellow

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

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Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-04-12 10:46

Reviewer performed review: 2021-04-12 16:27

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Scientific quality	[<input checked="" type="radio"/>] Grade A: Excellent [<input type="radio"/>] Grade B: Very good [<input type="radio"/>] Grade C: Good [<input type="radio"/>] Grade D: Fair [<input type="radio"/>] Grade E: Do not publish
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS



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All the requests I came up with before were revised by the authors.