

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 71717

Title: Sex-based differences in histology, staging, and prognosis among 2983 gastric cancer surgery patients

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03455028

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: South Korea

Manuscript submission date: 2021-09-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-19 13:12

Reviewer performed review: 2021-09-26 01:43

Review time: 6 Days and 12 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 Grade E: Do not publish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



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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
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SPECIFIC COMMENTS TO AUTHORS

In this manuscript, the authors revealed the clinicopathological features and prognosis of GC were related to the gender, which is significant for the treatment of GC. And in the discussion section, the authors compared their results and previous study in details, which fully clarified the higher proportion of diffuse-type histology, mortality, and comorbidities may originate from hormonal factors. However, none figure was found in the manuscript.

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Title: Sex-based differences in histology, staging, and prognosis among 2983 gastric cancer surgery patients

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03713970

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: South Korea

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-22 07:15

Reviewer performed review: 2021-10-03 09:11

Review time: 11 Days and 1 Hour

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 type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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SPECIFIC COMMENTS TO AUTHORS

This study aimed to analyze the differences in GC characteristics according to sex in patients who underwent surgical treatment for GC. It concluded that the overall survival rate of females was significantly higher ($P < 0.001$). It is great that a large number of samples (2983) was involved in this study to make this study more convincing. And the authors also presented well discussion about the study. However, the work are not enough to be published and there are still some questions about this study: 1. The "Conclusions" part in Abstract should be more detailed. And "These differences may originate from hormonal factors." is not really proper in this study because hormonal factors were not mentioned. 2. Results: "Overall survival rate was significantly higher in females ($P < 0.001$), but this difference disappeared for GC-specific survival ($P = 0.168$)."

Core tip: "There was a significant predominance in the GC-specific survival rate in advanced-stage cancer in males". It is better to show both significant result in "Results" section of Abstract. 3. In the first paragraph of "Discussion" section, is it proper to conclude that tumor location and differences in histology could result in significant predominance in the GC-specific survival rate in advanced-stage cancer in males? 4. The figure should be better.