

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 53848

Title: Identification of key genes and pathways in gastric signet ring cell carcinoma based on transcriptome analysis

Reviewer's code: 02542551

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Research Associate, Research Scientist

Reviewer's country: South Korea

Author's country: China

Manuscript submission date: 2020-01-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-06 03:38

Reviewer performed review: 2020-01-14 10:38

Review time: 8 Days and 7 Hours

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

SPECIFIC COMMENTS TO AUTHORS

In this study the authors identified the potential key genes and pathways of gastric signet ring cell carcinoma, and these hub genes and pathways could be diagnostic markers and therapeutic targets for gastric signet ring cell carcinoma. The prognosis of gastric signet ring cell carcinoma in advanced stages is rather poor, and most studies showed significantly worse 5-year survival rate among patients with gastric signet ring cell carcinoma than with non-gastric signet ring cell carcinoma. The effects of chemotherapy on gastric signet ring cell carcinoma are still in controversy. This study is very interesting, and provides new insights of treatment for gastric signet ring cell carcinoma. The manuscript is very well written. I suggest the authors to put the primers in to a table (RNA extraction, RT-PCR and quantitative real-time PCR). Figures are excellent, however, the authors should provide the primitive documents, some words in the figure are not clear.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism



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[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 53848

Title: Identification of key genes and pathways in gastric signet ring cell carcinoma based on transcriptome analysis

Reviewer's code: 03257208

Position: Peer Reviewer

Academic degree: MSc, PhD

Professional title: Professor

Reviewer's country: South Korea

Author's country: China

Manuscript submission date: 2020-01-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-06 03:41

Reviewer performed review: 2020-01-14 10:59

Review time: 8 Days and 7 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
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<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Very interesting study of key genes and pathways in gastric signet ring cell carcinoma. Zhao et al did extensive work on this analysis. Methods are described in detail, and the results are interesting. Overall, the manuscript is very well written. Only some minor language polishing should be corrected.

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- ☐ Plagiarism
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BPG Search:

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- ☐ Plagiarism
- ☒ No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 53848

Title: Identification of key genes and pathways in gastric signet ring cell carcinoma based on transcriptome analysis

Reviewer's code: 03317140

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's country: South Korea

Author's country: China

Manuscript submission date: 2020-01-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-07 23:15

Reviewer performed review: 2020-01-15 19:46

Review time: 7 Days and 20 Hours

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

SPECIFIC COMMENTS TO AUTHORS

The manuscript (53848) entitled " Identification of key genes and pathways in gastric signet ring cell carcinoma based on transcriptome analysis" provided the potential key genes and pathways of GSRCC, and these hub genes and pathways could be diagnostic markers and therapeutic targets for GSRCC. This study is potentially interesting, however there are several concerns about the methodology and interpretation of results.

Major

1) Baseline characteristics of patients: Authors selected that 4 of samples was sent to conduct transcriptome sequencing, and 56 of samples were taken for validation. We must to know their baseline characteristics. Then using that data, you can find a significant risk factors for GSRCC after multivariate analysis. After multivariate analysis, you could find another result.

2) Figure 4: You demonstrated that 408 gastric cancer tissues and 211 normal tissues. You did not describe that samples on the method. And Fig 4A will be better if you demonstrate GSRCC, non-GSRCC, and normal tissue with P-value. Fig 4B must provide confidence interval of HR. And zero point of vertical line in Fig 4B is needed to adjust with zero point of horizontal line.

3) Differential genes between GSRCC and non-GSRCC: You reported that the top 10 up-regulated genes and down-regulated genes among 1162 differential genes. I think that you must provide the scores and p-values of these genes as a table.

Minor

1) On page 4, last line, you should provide a reference.

2) On page 7, line 4, Differential should be changed as differential.

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☐ No

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