



PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 49368

Title: Identification of candidate biomarkers correlated with the pathogenesis of postoperative peritoneal adhesion using microarray analysis

Reviewer’s code: 03475590

Reviewer’s country: China

Science editor: Ya-Juan Ma

Reviewer accepted review: 2019-07-18 13:52

Reviewer performed review: 2019-07-25 13:20

Review time: 6 Days and 23 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer’s expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Minor revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

First, this study used microarray analysis to identify several candidate biomarkers involved in the development of postoperative peritoneal adhesion and explored the role of TLR4 / MyD88 / NF-κB. Second, through GEO and PPI, the author found that TNF,



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IL1 β , IL6, CXCL1, CXCL2 and other inflammatory factors were correlated with peritoneal adhesion. At the same time, the authors also explored the role of TLR4 / MyD88 / NF- κ B in peritoneal adhesion. Third, the data for this study is based primarily on microarray data distribution, and it would be better if the authors could delve deeper into the specific mechanisms of peritoneal adhesion and how to avoid peritoneal adhesion.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
- Duplicate publication
- Plagiarism
- No