



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47301

Title: Multiplex gene expression profile in inflamed mucosa of patients with Crohn’s disease ileal localization, a pilot study

Reviewer’s code: 03254999

Reviewer’s country: United States

Science editor: Ying Dou

Reviewer accepted review: 2019-04-22 13:32

Reviewer performed review: 2019-04-22 20:05

Review time: 6 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 type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 checked="" 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 type="checkbox"/> Advanced
		<input checked="" 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 article language needs some polishing, especially the grammar. This is an interesting topic but perhaps too much at the basic science level for this journal. I think this would be potentially a good article for another journal.



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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47301

Title: Multiplex gene expression profile in inflamed mucosa of patients with Crohn’s disease ileal localization, a pilot study

Reviewer’s code: 00503587

Reviewer’s country: New Zealand

Science editor: Ying Dou

Reviewer accepted review: 2019-04-23 01:43

Reviewer performed review: 2019-04-28 00:32

Review time: 4 Days and 22 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 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 checked="" 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 type="checkbox"/> Minor revision	<input checked="" type="checkbox"/> Advanced
		<input checked="" 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

This MS focuses on the expression of key genes in patients with CD who had undergone a resectional surgery SPECIFIC COMMENTS 1. The term "surgical patients" in the title would be better replaced 2. The methods section of the ABSTRACT and the main



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METHODS section of the MS both contain patient numbers and details that are results - these should be moved accordingly. The abstract also includes unexplained abbreviations 3. The conclusion of the ABSTRACT is very awkward and unclear - this should be revised and rewritten 4. The patterns of disease location mentioned in the INTRO are reasonable and appropriate. Age-related differences are relevant as are genetic differences (and related ethnic differences). 5. This study relates just to the setting of ileal disease location. It transpires however, that some patients did not have active (inflamed) ileal disease when resected, and so these samples were used to compare to inflamed areas. It was not clear why a patient would've had a resection of non-inflamed ileal tissue? Also, the authors argue that the ileal location is a master controller of responses there and more distally - this argument would've been much stronger to defend if the current work had included additional aspects such as colonic tissue responses. 6. the METHODS section mentions control subjects in passing but does not mention the methods of recruitment of these patients 7. In terms of reporting the NOD2/CARD 15 genetic data do the authors mean that only 4 of the 12 patients had one polymorphism? A lower rate than expected. The use of the 1/3 in this section is confusing 8. It was not clear what the morphological analyses added to the study, as this did not focus on specific gene outputs or other direct connections to the genetic analyses? 9. Does tonaca propria mean lamina propria? 10. The title for table 1 should be:patients with ileal CD... 11. K+ and prK+ are not explained in Table 1 12. The title for Table 2 could be improved 13. There are a number of English language errors (grammar, word use, word structure)

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47301

Title: Multiplex gene expression profile in inflamed mucosa of patients with Crohn’s disease ileal localization, a pilot study

Reviewer’s code: 03478442

Reviewer’s country: Greece

Science editor: Ying Dou

Reviewer accepted review: 2019-04-22 09:45

Reviewer performed review: 2019-04-30 08:50

Review time: 7 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:
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<input type="checkbox"/> Grade C: Good	polishing	<input checked="" 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

This is an interesting original article, investigating certain genes expression in ileal CD with the help of an innovative approach. Despite the small number of patients and minor grammatical errors, this is a well-prepared manuscript adding valuable



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information on our understanding of the complex pathogenetic mechanisms of IBD.

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47301

Title: Multiplex gene expression profile in inflamed mucosa of patients with Crohn’s disease ileal localization, a pilot study

Reviewer’s code: 02978709

Reviewer’s country: Denmark

Science editor: Ying Dou

Reviewer accepted review: 2019-04-28 02:03

Reviewer performed review: 2019-05-05 08:48

Review time: 7 Days and 6 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 type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 checked="" type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
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			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The article provides an analysis of mRNA levels for selected genes for identification of colonic and/or ileal Crohn’s disease. The idea is good. The sample is very small therefore the study must be regarded as a pilot study. This must be stated in the title. Some major



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changes are needed: Abstract: The conclusion cannot start with “thus remaining..etc”. Indicate in a short sentence what was the conclusion of the study. Introduction: The readers of this journal are aware of IBD therefore no need to state this. I suggest to delete the first sentence in the introduction “inflammatory bowel disease includes two major....pathogenesis of the disease”. Paragraph 2: what do you mean by ileal inflammation are not superimposable? Please reformulate the sentence. Paragraph 4 “In this study, we developed...etc” this belongs to the method and not introduction. Method: Some language and typos minor changes are needed. Please, read it through again with a help of a native speaker. Results: Discussion: First paragraph “CD issuch dysregulation” belongs to the introduction if it is necessary. I think it is a repetition that can be deleted. The authors need to discuss their results in the light of existing literature. The phrase “did not reach statistical significance” must be avoided see please Altman et al recommendations. There is a need for a paragraph on study limitations and perspectives. Conclusion 26 lines of words! Conclusion must be a short statement (2-3 lines only) of what the authors found in their study. There is so much repetition to what the authors already mentioned in the introduction.

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