



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 40874

Title: Differential expression of mucin 1 and mucin 2 in colorectal cancer

Reviewer's code: 00070509

Reviewer's country: South Korea

Science editor: Ze-Mao Gong

Date sent for review: 2018-07-17

Date reviewed: 2018-07-19

Review time: 1 Day

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

This study determined tissue expression (mRNA, protein) of membrane-bound mucin (MUC1) and secretory mucin (MUC2) in colorectal cancer (CRC) and evaluated the relationship between tissue expression of mucins and selected clinicopathological data. I think this is well written manuscript. However, something should be clarified as



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follows: The examined CRC group included 34 patients (27 men, 7 women) from Greater Poland Region, 32 to 89 years of age from the Department of General Surgery, Endocrinological and Gastroenterological Oncology, Poznan University of Medical Sciences, who were diagnosed and subjected to surgery between 2010-2015. How did you selected the CRC group? All the 34 patients were selected consecutively according to the inclusion criteria? Because of the small patient group who were diagnosed and subjected to surgery between 2010-2015. If you selected the patients randomly (arbitrarily), you should have mentioned it in the text.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 40874

Title: Differential expression of mucin 1 and mucin 2 in colorectal cancer

Reviewer’s code: 00225294

Reviewer’s country: Spain

Science editor: Ze-Mao Gong

Date sent for review: 2018-07-17

Date reviewed: 2018-07-22

Review time: 5 Days

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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" 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 work presented by Kasprzak is devoted to analyze the presence of mucin 1 and mucin 2 in CRC and to determine whether there is a correlation between these proteins (and mRNAs) and the CRC prognosis. This work continues previous reports by Imai (WGJ 19:3957) and several publications from the group of Grizzle WE. Here they



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conclude, with a reduced number of CRC patients, that a high MUC1/MUC2 is associated to poor prognosis. In addition to this, MUC2 inversely correlates with proliferation markers. Although the work is essentially corroborative of previous descriptions, some points need to be considered. 1. The images corresponding to the MUC1, MUC2, Ki67 and p53 IHC should be prepared on consecutive sections. The impression is that they have been chosen to support their claims. 2. In Fig. 3, showing the immunoexpression of MUC1 and MUC2, and in view of the large SD value for MUC2, the distribution of the individual values should be presented, rather than the column and SD. This may help readers to have a more accurate idea on the distribution of the values. 3. Regarding the mRNA levels presented in tables 3 to 6, authors should consider a more visual and friendly presentation. This is important to establish the multicorrelations between the different parameters assayed. 4. Although this is a work based on human patients, a parallel support based on CRC cell lines may provide more info on the molecular mechanisms associated to MUC2, proliferation and p53 levels.

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[Y] No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 40874

Title: Differential expression of mucin 1 and mucin 2 in colorectal cancer

Reviewer's code: 03656600

Reviewer's country: China

Science editor: Ze-Mao Gong

Date sent for review: 2018-07-17

Date reviewed: 2018-07-23

Review time: 6 Days

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	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study concerning the differential expression of MUC1 and MUC2 in CRC. The design of study was good, and the statistics was reasonable. Whereas several concerns should be addressed as following: First of all, the limitations should be added to the section of discussion. Second, the English writing should be revised



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completely. Some obvious wrong using of tense, singular/plural, precise, simple and scientific words.

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