

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 63349

Title: The combination of NGAL and MMP9 are promising biomarkers for the early detection of tubular adenocarcinoma of the colon

Reviewer's code: 02953994

Position: Peer Reviewer

Academic degree: FACP, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-03-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-12 10:00

Reviewer performed review: 2021-04-08 00:22

Review time: 26 Days and 14 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 Grade E: Do not publish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 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
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
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

SPECIFIC COMMENTS TO AUTHORS

Colorectal cancers are caused by numerous factors, which are associated with heritability, lifestyle, chronic inflammation, etc. The early diagnosis of colorectal adenocarcinoma is obviously important in the treatment of primary or recurrent colorectal adenocarcinoma. Neutrophil gelatinase-associated lipocalin and MMP-9 could be used as diagnostic and prognostic biomarkers in various cancers. The increased expression of neutrophil gelatinase-associated lipocalin contributed to the progression of cancers, and in a lot of malignancies, neutrophil gelatinase-associated lipocalin was over-expressed. MMP-9 can degrade the extracellular matrix. The utilities in tubular adenocarcinoma of the colon remain unknown. In this study, the authors evaluated the potential of neutrophil gelatinase-associated lipocalin and MMP-9 as biomarkers for the early detection of tubular adenocarcinoma of the colon. And also, the authors explored the possible application of combining these two biomarkers. This study is overall well designed, and the results are very interesting. The manuscript is well written, and it's acceptable after a minor editing. Comments: 1. Some minor language polishing should be corrected. Such as, the "Colorectal cancer" is repeated at beginning of the introduction. 2. Please describe the P value standard of significant difference at the statistical analysis section. 3 The references should be edited.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 63349

Title: The combination of NGAL and MMP9 are promising biomarkers for the early detection of tubular adenocarcinoma of the colon

Reviewer's code: 02953109

Position: Peer Reviewer

Academic degree: FCAHS, FRCS (Gen Surg), PhD

Professional title: Associate Professor, Research Scientist, Senior Lecturer

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-03-11

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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
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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

This is a very interesting study about the NGAL and MMP9 in the detection of tubular adenocarcinoma of the colon. The manuscript requires a minor editing before acceptance.