

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 80325

Title: Development and validation of a nomogram for predicting metachronous peritoneal metastasis in colorectal cancer: a retrospective study

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05562744

Position: Editorial Board

Academic degree: FACS, MD, PhD

Professional title: Professor, Senior Scientist

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2022-09-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-17 08:14

Reviewer performed review: 2022-10-18 19:06

Review time: 1 Day and 10 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 Grade E: Do not publish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 type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The authors have the clinical datum of 965 patients were enrolled in this study from Second Hospital of Jilin University, between January 1, 2014 and January 31, 2019. The patients were randomly divided into training and validation cohorts at a ratio of 2:1. Multivariate logistic regression was used to verify the selected variables and to develop the predictive nomogram model. The nomogram included 7 predictors: emergency operation, tumor site, histological type, pathological T stage, CA125, BRAF mutation and MSI status. The model achieved a good prediction accuracy on both the training and validation datasets. Minor issues: The emergency cases (obstructed or perforated) should be excluded from the analysis for especially perforation is considered as a distant metastasis because the peritoneal spread risk increases which is known fact. Otherwise the manuscript is well written and professionally presented

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03028174

Position: Editor-in-Chief

Academic degree: MD

Professional title: Associate Professor, Staff Physician

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2022-09-23

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-11-09 14:30

Reviewer performed review: 2022-11-13 09:18

Review time: 3 Days and 18 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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Peer-reviewer statements	Peer-Review: [<input type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The article is aimed to establish and validate a nomogram model for predicting the occurrence of metachronous peritoneal metastasis in colorectal cancer within 3 years after surgery. The title is “Development and validation of a nomogram for predicting metachronous peritoneal metastasis in colorectal cancer: a retrospective study”. 1. This is a retrospective study. 2. Several factors influence the outcome of the study. Please discuss these. 3. Please review the literature and add more details in the discussion section. 4. Please also add more details of this nomogram model. 5. What is the new knowledge of the study? 6. Please recommend to the readers “How to apply this knowledge?”.