

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 73471

Title: Effect of obesity on post-operative outcomes following colorectal cancer surgery

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04966996

Position: Peer Reviewer

Academic degree: PhD

Professional title: Surgeon

Reviewer's Country/Territory: Spain

Author's Country/Territory: Australia

Manuscript submission date: 2021-11-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-23 16:57

Reviewer performed review: 2021-11-23 17:36

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

It would be useful a more detailed presentation of postoperative complications pulling apart right colon, left colon and rectum; and doing the same by type of surgical procedure.

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Manuscript NO: 73471

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05625004

Position: Peer Reviewer

Academic degree: PhD

Professional title: Chief Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Australia

Manuscript submission date: 2021-11-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-26 11:38

Reviewer performed review: 2021-12-05 14:20

Review time: 9 Days and 2 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
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

SPECIFIC COMMENTS TO AUTHORS

1. This retrospective study that mainly evaluated the effect of obesity on postoperative colorectal cancer patients. The incidence of postoperative complications such as anastomotic fistula wound infection and reoperation rate in more than 600 patients with different body mass indexes during the ten years was retrospectively analyzed with large sample size. The results suggest that surgical treatment is safe for obese colorectal cancer patients, and there is no significant difference in surgical complications between obese ($BMI \geq 30$) and non-obese ($BMI < 30$) patients. Subgroup analysis showed that the high incidence of postoperative complications in obese patients seemed to occur only in the laparoscopic surgery group ($P=0.05$).

2. The results of this study seem to break our conventional understanding and have specific clinical guiding significance. It is generally assumed that obese patients may have more extended surgery, higher intraoperative risk, higher postoperative complications, and slower recovery than non-obese patients, but this is not the case.

3. The study design was relatively simple and is a single-center retrospective study, single with BMI as obesity division to analyze its influence on patients with postoperative, between different countries. Different RACES may not represent the postoperative complications of colorectal cancer patients, suggesting that future design prospective controlled multicenter research has more guidance value. In addition, body mass index (BMI) is based on an individual's height and weight, which cannot reflect particular body mass contents such as muscle mass. More and more studies have confirmed that lean body weight, body fat percentage, and some nutritional indicators strongly correlated with tumors' occurrence, development, and prognosis. It is suggested to include body composition analysis, NRS-2002, PG-SGA, and nutritional prognostic indicators.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Manuscript NO: 73471

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04966996

Position: Peer Reviewer

Academic degree: PhD

Professional title: Surgeon

Reviewer's Country/Territory: Spain

Author's Country/Territory: Australia

Manuscript submission date: 2021-11-22

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2022-02-03 16:46

Reviewer performed review: 2022-02-03 16:59

Review time: 1 Hour

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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

The points raised have been responded to, with appropriate changes included in the resubmitted revision