

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Surgery*

**Manuscript NO:** 87351

**Title:** MDT Nutritional Support Intervention for GI Tumor Radiotherapy: Impact on Nutrition and Quality of Life

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06520366

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Switzerland

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-08-23

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-08-29 09:52

**Reviewer performed review:** 2023-09-10 14:30

**Review time:** 12 Days and 4 Hours

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|---|--|
| Scientific quality                          | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good<br><input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Novelty of this manuscript                  | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No novelty   |
| Creativity or innovation of this manuscript | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No creativity or innovation                                |

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| <b>Scientific significance of the conclusion in this manuscript</b> | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No scientific significance   |
| <b>Language quality</b>   | <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 |
| <b>Conclusion</b>   | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority)<br><input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection          |
| <b>Re-review</b>  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |
| <b>Peer-reviewer statements</b>                                     | 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

Multidisciplinary diagnosis and treatment are of remarkable significance for the clinical diagnosis and prognosis of malignant tumors. MDT has the most significant clinical therapeutic effect on patients with low-stage tumors. However, studies investigating the effect of MDT on patients with GI tumors who are receiving radiotherapy are rare. Most of these studies have only focused on the effect of treatment in the perioperative period of patients with GI tumors, whereas those focusing on the radiotherapy period are fewer. In this study, the authors provided a scientific basis for improving the clinical treatment effect, quality of life, and prognosis of patients with GI tumors. This study explored the clinical effect of the MDT nutrition intervention model on patients with GI tumors. Overall, this study is well designed and well performed. The results are interesting and well discussed. Minor comments: 1. The authors should make clear this study is a case control study. However, the authors submitted is as Retrospective Study, please update it. And also, in the last paragraph, the authors said "In this randomized controlled study, ...", this should be revised. 2. A short background should be added to the abstract. 3. The manuscript requires a minor editing. Some minor language polishing should be

revised. 4. The references should be revised and updated with PMID numbers.

**Reviewer #1:**

Q1: The authors should make clear this study is a case control study. However, the authors submitted is as Retrospective Study, please update it. And also, in the last paragraph, the authors said “In this randomized controlled study, ...”, this should be revised.

Response: Thank you very much for your reminder, we have revised the abstract section, the last paragraph introduction of the paper. The specific revisions are as follows:

**Methods:**

This study is a case-control study. Our study participants were patients with GI tumors who received radiotherapy at the Department of Oncology from January 2021 to January 2023. Using a random number table, 120 patients were randomly divided into MDT and control groups (each group: 60 patients). To analyze the effect of MDT on the nutritional status and quality of life of the patients, the nutritional status and quality of life scores of the patients were measured before and after the treatment.

Based on previous studies, the present study adopted the MDT nutritional intervention model as a nutritional adjuvant therapy for patients with GI tumors undergoing radiotherapy. In this case-control study, 120 patients receiving radiotherapy were included as study participants to explore the clinical effects of the MDT nutritional support intervention model on the nutritional status and quality of life of the patients. This study thus provides a scientific basis for improving the clinical treatment effect, quality of life, and prognosis of patients with GI tumors.

Q2: A short background should be added to the abstract.

Response: Thank you very much for your advice on our paper, and we apologise for the fact that the research background section of the abstract was missing from the last submission of the manuscript. We have added the background section of the abstract, as revised below:

**Background:**

Gastrointestinal (GI) tumours are an important cause of cancer deaths and have become a major public health problem at this stage.

Q3: The manuscript requires a minor editing. Some minor language polishing should be revised.

Response: Thank you very much for the suggestions you have made regarding our thesis, we have made language changes to the overall thesis through a professional language company.

Q4: The references should be revised and updated with PMID numbers.

Response: Thank you very much for your suggestions, we have revised all the references and updated the PMID numbers according to your suggestions.

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Surgery*

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**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06520261

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Researcher

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-08-23

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-08-28 07:25

**Reviewer performed review:** 2023-09-10 14:37

**Review time:** 13 Days and 7 Hours

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|---|--|
| Scientific quality                          | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good<br><input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Novelty of this manuscript                  | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No novelty   |
| Creativity or innovation of this manuscript | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No creativity or innovation                                |

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|---|--|
| <b>Scientific significance of the conclusion in this manuscript</b> | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair<br><input type="checkbox"/> Grade D: No scientific significance   |
| <b>Language quality</b>   | <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 |
| <b>Conclusion</b>   | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority)<br><input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection          |
| <b>Re-review</b>  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |
| <b>Peer-reviewer statements</b>                                     | 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

This is an interesting case control study of MDT nutritional support intervention for GI tumor radiotherapy. This study is very interesting and the results are well discussed. The reviewer recommends to accept it after a minor editing. Some minor language polishing should be corrected, and references numbers in the main text should be edited.

**Response:** Thank you very much for the suggestions you have made regarding our thesis, we have made language changes to the overall thesis through a professional language company.