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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 109361

Title: Quantitative evaluation for preoperative clinical stage of colorectal cancer using dynamic contrast-enhanced magnetic resonance imaging

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 08396845

Position: Peer Reviewer

Academic degree and professional title: PhD

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2025-07-01

Reviewer chosen by: AI Editor

Reviewer accepted review: 2025-07-02 09:35

Reviewer performed review: 2025-07-22 10:15

Review time: 20 Days

Content to be reviewed	Does the manuscript's content fall within the scope of the journal? Yes Is there any Key Word that is not included in the manuscript title? Yes Do authors' affiliations correspond to the content of the manuscript? Yes Does the Abstract contain the contents of each part of the manuscript (IMRaD)? Yes Are the Key Words complete? Yes
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Is the content of the Introduction adequate? **Yes**

Is the content of the Materials and Methods complete?
Yes

Is the description of the experiments clear and complete? **Yes**

Are the experimental data presented in the manuscript's biostatistics content reliable? **Yes**

Are the experimental data of the Results true and reliable? **Yes**

Are the quality and resolution of the images up to standard? **Yes**

Do the selection and design of the figures and tables follow the principles of necessity and clarity? **Yes**

Is there any duplication between various parts of the manuscript and between the main text and the content presented in the figures and tables? **No**

Are the figures and tables numbered consecutively in the order in which they appear in the manuscript? **Yes**

Is the content of the Discussion reasonable? **Yes**

Is the Conclusion reasonable? **Yes**

Are all references necessary and reasonable? **Yes**

Do authors omit important references? **No**

Are all references related to the topic of the manuscript? **Yes**

Do authors only cite their own earlier publications? **No**

Is the manuscript's text correct, concise, and clear? **Yes**

Will the manuscript's content be of interest to readers?
Yes

Are additional experiments needed for the study? **No**

Does the research scope comply with ethics? **Yes**



Scientific quality	Grade B (Very good)
Novelty of this manuscript	Grade C (Good)
Creativity or innovation of this manuscript	Grade B (Very Good)
Scientific significance of the conclusion in this manuscript	Grade C (Good)
Language quality	Grade C (Good)
Does this manuscript describe a study of the existing knowledge system?	Yes
Does this manuscript report a revolutionary innovation?	No
Does this manuscript report an unconventional innovation?	No
Conclusion	Minor revision
Re-review	No
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No
Are your review comments generated by AI tools?	No

SPECIFIC COMMENTS TO AUTHORS

The manuscript requires the author to make improvements in accordance with the suggestions. In this way, their manuscripts can be published. Therefore, I suggest that authors do some necessary things to achieve their publishing goals. For the abstract section, the objective, method and main findings are clearly stated, emphasizing that the comprehensive diagnosis of DCE-MRI parameters is superior to individual indicators (AUC = 0.863, sensitivity = 82.6%). The introduction part comprehensively expounds the background of the epidemiology, risk factors and the importance of staging of colorectal



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cancer. Further, through relevant citations, it proves the role of DCE-MRI in oncology and clarifies the novelty of this study in the preoperative staging assessment of colorectal cancer. The author selected 86 patients and elaborated in detail on the inclusion/exclusion criteria, further reducing selection bias. Meanwhile, the author provided detailed figures and tables to show the differences between the colorectal cancer group and the benign tumor group. 1 The abstract lacks demographic details of the patients (such as tumor location and histological subtype), and does not mention the limitations of the study (for example, small sample size and potential bias) 。 2 The introduction content can better distinguish this study from previous CRC DCE-MRI studies. 3 The authors did not discuss the limitations of this study and did not provide any subsequent related suggestions. Please clearly point out the limitations of this study in the discussion. Larger cohort studies need to be proposed in the future. 4 The language of the article is relatively weak and the writing needs to be enhanced, such as modifying "The study aims to explore" to "This study aimed to evaluate", "significantly elevated" is more accurate than "notably higher". 5 Table 4 states "Spearman correlation analysis", but the main text states "Correlation between". Please have the authors verify the uniformity. The manuscript is acceptable after minor revisions.



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Reviewer's code: 08480058

Position: Peer Reviewer

Academic degree and professional title: MD

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2025-07-01

Reviewer chosen by: Hong-Xin Jiang

Reviewer accepted review: 2025-07-28 07:42

Reviewer performed review: 2025-08-01 07:40

Review time: 3 Days and 23 Hours

Content to be reviewed	Does the manuscript's content fall within the scope of the journal? Yes Is there any Key Word that is not included in the manuscript title? No Do authors' affiliations correspond to the content of the manuscript? Yes Does the Abstract contain the contents of each part of the manuscript (IMRaD)? Yes Are the Key Words complete? Yes
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Are additional experiments needed for the study? **No**

Does the research scope comply with ethics? **Yes**



Scientific quality	Grade C (Good)
Novelty of this manuscript	Grade C (Good)
Creativity or innovation of this manuscript	Grade C (Good)
Scientific significance of the conclusion in this manuscript	Grade C (Good)
Language quality	Grade B (Very good)
Does this manuscript describe a study of the existing knowledge system?	Yes
Does this manuscript report a revolutionary innovation?	No
Does this manuscript report an unconventional innovation?	Yes
Conclusion	Minor revision
Re-review	No
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No
Are your review comments generated by AI tools?	No

SPECIFIC COMMENTS TO AUTHORS

An interesting topic. The patient was fully informed that the author had provided the informed consent form and had obtained ethical approval. This manuscript is smooth, well-structured and easy to read. The selection of variables for comparison is acceptable. The quality of these numbers and tables is all very good. Most references have dates, but some are recent. I think this manuscript can be published. However, the present study was retrospective and single institutional study. Major comments: 1 According to the requirements of the journal, please further include the background to supplement the



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abstract, not just "Purpose, Method, result, conclusion". 2 The introduction section logically describes the relevant background of this study by citing sufficient references. It expresses the purpose of this study through the background description of the incidence of colorectal cancer and magnetic resonance imaging, providing clinical significance for the treatment of colorectal cancer patients. However, there is a lack of the relationship between Dynamic contrast-enhanced magnetic resonance imaging and colorectal cancer. 3 The method description is clear and repeatable. But the author wrote, "A total of 86 CRC patients who were admitted into our hospital from January 2022 to January 2024 were recruited." But "our hospital" was not explicitly stated. 4 Table 1 states " $P < 0.001$ ", but the author describes it as " $P < 0.05$ ". It is suggested that the author make a unified modification. 5 Abbreviations in the table need to provide their full names in the table notes, such as CRC, colorectal cancer. 6 A total of 29 references were cited in this study. However, after verification, the current format does not meet the requirements of the journal. Please modify them according to the style of the journal. Overall, before colorectal cancer surgery, preoperative assessment can be conducted through Dynamic contrast-enhanced magnetic resonance imaging, providing direction for the treatment plan of colorectal cancer.