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PEER-REVIEW REPORT

Name of journal: *World Journal of Radiology*

Manuscript NO: 79241

Title: Diagnostic performance of abbreviated gadoxetic acid-enhanced magnetic resonance protocols with contrast-enhanced computed tomography for detection of colorectal liver metastases

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03727494
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer's Country/Territory: China
Author's Country/Territory: Japan

Manuscript submission date: 2022-08-14
Reviewer chosen by: AI Technique
Reviewer accepted review: 2022-08-15 04:22
Reviewer performed review: 2022-08-17 16:53
Review time: 2 Days and 12 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection

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Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The author evaluated the diagnostic performance of two abbreviated MR protocols for the detection of colorectal liver metastases. The discription of this article is detailed and clear. I have a few comments: 1. I suggest to analyse the diagnostic performance of using CECT alone, and compare with other approaches; 2. Does this diagnostic method have the same performance for hepatic metastasis from different site?; 3. The analysis method of this article is relatively simple and the content is relatively not abundant. The practical value of the present conclusion is insufficient.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03739881
Position: Peer Reviewer
Academic degree: Doctor
Professional title: Chief Doctor
Reviewer's Country/Territory: China
Author's Country/Territory: Japan

Manuscript submission date: 2022-08-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-17 07:22

Reviewer performed review: 2022-08-25 12:38

Review time: 8 Days and 5 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection

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Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This study revealed that the overall diagnostic performance of both Ab-MRI protocols 1 and 2 was non-inferior to that of the standard MRI protocol, and that of the combination of Ab-MRI and CE-CT was higher than that of Ab-MRI alone and similar to that of the standard MRI protocol. These findings indicate that Ab-MRI protocols could be a viable alternative to conventional MRI protocols for the evaluation of colorectal liver metastases, and that the parallel assessment with CE-CT was more useful. My questions are as following: 1. The study identified all patients with pathologically-proven CRC by surgical resection who had undergone gadoxetic acid-enhanced MRI and CE-CT for cancer staging during the initial work-up between October 2010 and April 2021. The title shows: Diagnostic performance of two kinds of abbreviated gadoxetic acid-enhanced MR protocols with or without contrast-enhanced CT for the detection of colorectal liver metastases. “with or without contrast-enhanced CT” was not according with the fact. 2. In abstract method: All exams were independently reviewed by two readers in three reading sessions. In Table 3, and Table 4, It said Reader 1,2,3,4. It is confused by the expression.

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Radiology*

Manuscript NO: 79241

Title: Diagnostic performance of abbreviated gadoxetic acid-enhanced magnetic resonance protocols with contrast-enhanced computed tomography for detection of colorectal liver metastases

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03739881
Position: Peer Reviewer
Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

Manuscript submission date: 2022-08-14

Reviewer chosen by: Han Zhang

Reviewer accepted review: 2022-09-05 13:35

Reviewer performed review: 2022-09-07 03:11

Review time: 1 Day and 13 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

NO