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PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 84904

Title: Hepatic MR imaging using IDEAL-IQ sequence: Will Gd-EOB-DTPA interfere with reproductivity of fat fraction quantification?

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06081511
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Assistant Professor, Research Assistant
Reviewer's Country/Territory: United States
Author's Country/Territory: China

Manuscript submission date: 2023-04-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-04-14 10:22

Reviewer performed review: 2023-04-24 07:23

Review time: 9 Days and 21 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
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
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Fat fraction is a key parameter for the diagnosis and monitoring of non-alcoholic fatty liver disease. Ultrasound detection is economical and convenient but is highly dependent on procedure, and lacks quantitative and objective criteria. Magnetic resonance spectroscopy is commonly used as a standard method in fat quantification. The aim of this study is to evaluate whether the Gd-EOB-DTPA would interfere with the measurement of hepatic fat content that was quantified with IDEAL IQ sequence. The study is well performed and the results are very interesting. Comments: 1. The manuscript requires a minor editing. 2. The quality of the figures should be improved. 3. References list should be updated.

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Reviewer's code: 06140220
Position: Peer Reviewer
Academic degree: FICS, MD
Professional title: Associate Professor, Research Scientist
Reviewer's Country/Territory: Canada
Author's Country/Territory: China

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-04-14 10:42

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Review time: 10 Days and 13 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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

SPECIFIC COMMENTS TO AUTHORS

This study is designed to explore whether the Gd-EOB-DTPA would interfere with the measurement of hepatic fat content that was quantified with IDEAL IQ sequence. The robustness of this technique was also evaluated by the authors. Overall, this study is very interesting, and the manuscript well written. Suggest to accept this study after a minor editing.