PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 45054

Title: Accuracy of multi-echo Dixon sequence in the quantification of hepatic steatosis in Chinese children and adolescents

Reviewer's code: 00503561

Reviewer's country: Japan

Science editor: Jia-Ping Yan

Date sent for review: 2018-12-21

Date reviewed: 2019-01-05

Review time: 21 Hours, 14 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[Y] Grade A: Excellent	[Y] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[ ] Grade B: Minor language polishing	[Y] Accept (General priority)	[Y] Anonymous
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced
			[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

I checked 1-14, and these are fulfilled in the manuscript. This is an important, basic information for liver image information for young people. This information will minimize injurious examination such as liver biopsy. As they are aware, the metabolic

markers were not connected in this study and they state "prospective", but actually one-point study of the cohort. Just address: 1. Define "healthy children". 2. Address whether the cohort can be followed up. 3. Any particular background of obese children; such as lack of exercise, over eating, and some unknown genetic predisposition. 4. Just confirm any viral hepatitis, metabolic disease, and family history may interfere the data.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No

BPG Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 45054

Title: Accuracy of multi-echo Dixon sequence in the quantification of hepatic steatosis in Chinese children and adolescents

Reviewer's code: 00069814

Reviewer's country: Egypt

Science editor: Jia-Ping Yan

Date sent for review: 2019-01-04

Date reviewed: 2019-01-10

Review time: 21 Hours, 5 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[ ] Grade B: Minor language polishing	[Y] Accept (General priority)	[Y] Anonymous
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced
			[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

Interesting study well done

INITIAL REVIEW OF THE MANUSCRIPT

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[   ] Duplicate publication

[   ] Plagiarism

[Y] No

BPG Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 45054

Title: Accuracy of multi-echo Dixon sequence in the quantification of hepatic steatosis in Chinese children and adolescents

Reviewer's code: 03622349

Reviewer's country: Brazil

Science editor: Jia-Ping Yan

Date sent for review: 2019-01-04

Date reviewed: 2019-01-12

Review time: 5 Hours, 8 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] Accept (General priority)	[Y] Anonymous
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[Y] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced
			[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

Zhao et al evaluated the paper entitled "ACCURACY OF MULTI-ECHO DIXON SEQUENCE IN THE QUANTIFICATION OF HEPATIC STEATOSIS IN CHINESE CHILDREN AND ADOLESCENTS". The topic is quite interesting and the paper is

very well written, with clear language. However, some questions have arisen and need to be better clarified. In view of the fact I will give the authors the opportunity to revise some points before resubmitting to the journal.   Comments: - As for the abbreviations, I suggest to reduce them in the abstract. Moreover, many of them were described in the text but were not detailed previously. Check all the text; - It might be interesting to correlate the food intake of children and adolescents to the degree of hepatic steatosis, since biochemical markers were not determined in the study; - Have the authors considered sedentarism as an inclusion factor? I consider physical activity and the control of food intake fundamental to development of hepatic steatosis, since they are determinants for the establishment of insulin resistance; - Do the imaging tests require some preparation of patients, such as fasting? Were they performed at what time of the study? - The authors did not discuss the feasibility of the method concerning the cost and the radiation exposure. Imaging tests are usually expensive and leave individuals exposed to radiation. This method would not harmless to children and adolescents? Since other methods sedimented in the literature are cheaper and do not require exposure to radiation.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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[   ] Plagiarism

[Y] No

BPG Search:

[   ] The same title

[   ] Duplicate publication

[   ] Plagiarism

[Y] No