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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53599

Title: Utility of periportal thickening measured on liver MRI for the assessment of hepatic fibrosis in infants with cholestasis

Reviewer's code: 04351557
Position: Editorial Board
Academic degree: MD, PhD
Professional title: Instructor, Staff Physician
Reviewer's Country/Territory: Italy
Author's Country/Territory: South Korea

Manuscript submission date: 2019-12-26
Reviewer chosen by: AI Technique
Reviewer accepted review: 2019-12-28 08:53
Reviewer performed review: 2019-12-29 10:46
Review time: 1 Day and 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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
Re-review	[ ] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

Dr. Lee and colleagues conducted a retrospective study in order to investigate the usefulness of periportal thickening (measured on liver MRI) for the assessment of hepatic fibrosis in infants with cholestasis. The study is interesting and well conducted. I have some minor comments: - liver MRI is a precise and objective method compared to liver ultrasound; however, it requires anesthesia and is more expensive. It could be interesting if the authors could compare their own findings (if available) with regard to PT between US and MRI. Alternatively, they should better discuss this point. - the authors used PT cutoff values of 4.2 mm for clinically significant fibrosis and 5.3 mm for advanced fibrosis, and other cutoff values for SR and APRI: they should provide references for these, or explain why they choose them.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53599

Title: Utility of periportal thickening measured on liver MRI for the assessment of hepatic fibrosis in infants with cholestasis

Reviewer's code: 03647890
Position: Editorial Board
Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: South Korea

Manuscript submission date: 2019-12-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-27 02:37

Reviewer performed review: 2019-12-31 01:09

Review time: 3 Days and 22 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	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

This work is a very important to improve non-invasive methods for the diagnosis of significant fibrosis or cirrhosis in infants.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53599

Title: Utility of periportal thickening measured on liver MRI for the assessment of hepatic fibrosis in infants with cholestasis

Reviewer's code: 03260869
Position: Editorial Board
Academic degree: MD, MSc

Professional title: Doctor, Full Professor, Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: South Korea

Manuscript submission date: 2019-12-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-27 07:11

Reviewer performed review: 2020-01-08 17:06

Review time: 12 Days and 9 Hours

Scientific quality	[Y] Grade A: Excellent [ ] 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	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

The manuscript titled: "Utility of periportal thickening measured on liver MRI for the assessment of hepatic fibrosis in infants with cholestasis" analyzes the role of hepatic MRI in diagnosis and grading of fibrosis in cholestatic infants, mostly with biliary atresia. The manuscript is very elegantly written and statistics exhausted every tool to verify the results. One of the very well-written sections is the Study Limitations. However, they should have added the importance of liver biopsy in diagnosis of biliary atresia, being accurate in 93%-95% in most literature. There are a pair of language changes: 1- Ultrasound elastography is non-invasive, but has the disadvantage that the accuracy of the test may be impaired if the practitioner lacks experience or if ascites exist in the perihepatic space. Ultrasound elastography is non-invasive, but has the disadvantage that the accuracy of the test may be impaired if the practitioner lacks experience or if ascites exists in the perihepatic space. 2- Basically, ultrasonography-guided liver biopsy was performed using a 18-gauge core biopsy needle Basically, ultrasonography-guided liver biopsy was performed using an 18-gauge core biopsy needle I highly recommend this manuscript for publication as it covers an important literature gap using a relatively safe too, MRI, despite the need for anesthesia to perform the procedure. The figures are of very good quality.

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53599

Title: Utility of periportal thickening measured on liver MRI for the assessment of hepatic fibrosis in infants with cholestasis

Reviewer's code: 04351557
Position: Editorial Board
Academic degree: MD, PhD
Professional title: Instructor, Staff Physician
Reviewer's Country/Territory: Italy
Author's Country/Territory: South Korea

Manuscript submission date: 2019-12-26
Reviewer chosen by: Le Zhang
Reviewer accepted review: 2020-04-13 12:12
Reviewer performed review: 2020-04-13 12:23
Review time: 1 Hour

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

SPECIFIC COMMENTS TO AUTHORS

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The authors have addressed reviewers' comments.