PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 43491

Title: Diffusion-weighted magnetic resonance imaging and micro-RNA in the diagnosis of hepatic fibrosis in chronic hepatitis C virus

Reviewer's code: 03253495

Reviewer's country: Italy

Science editor: Jia-Ping Yan

Date sent for review: 2018-11-21

Date reviewed: 2018-12-04

Review time: 13 Hours, 13 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] Accept (General priority)	[Y] Anonymous
[ ] Grade C: Good	[Y] 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[ ] Grade E: Do not publish		[ ] Rejection	[Y] Advanced
			[ ] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript is interesting and novel. I just suggest to authors to have their manuscript revised by a native speaker.

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: 43491

Title: Diffusion-weighted magnetic resonance imaging and micro-RNA in the diagnosis of hepatic fibrosis in chronic hepatitis C virus

Reviewer's code: 03537970

Reviewer's country: China

Science editor: Jia-Ping Yan

Date sent for review: 2018-11-27

Date reviewed: 2018-12-13

Review time: 1 Hour, 16 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	[ ] Grade B: Minor language polishing	[ ] Accept (General priority)	[Y] Anonymous
[Y] Grade C: Good			[ ] Onymous
[ ] Grade D: Fair	[Y] Grade C: A great deal of language polishing	[Y] Minor revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish	[ ] Grade D: Rejection	[ ] Major revision	[ ] Advanced
		[ ] Rejection	[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

In current study,Tarek Besheer et al. try to established an new methods via assess diffusion-weighted MR imaging (DWI) and micro-RNAs (miR) in diagnosis and staging of hepatic fibrosis in patients with chronic hepatitis C, that's a new idea for diagnosis of

cirrhosis and the study have good design and also well construction .But ,some issues need consideration: 1) accessibility, only few medical institute could test micro-RNA in routine practice and both micro-RNA and MR are not the criteria of clinical judgement for diagnosis of cirrhosis according general guideline 2) necessity, there are numbers of new Non-invasive diagnosis index for estimate cirrhosis in recently, so, I don't think this study have potential useful for future. 3)for a research work,it's have value for published

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[   ] 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: 43491

Title: Diffusion-weighted magnetic resonance imaging and micro-RNA in the diagnosis of hepatic fibrosis in chronic hepatitis C virus

Reviewer's code: 03567380

Reviewer's country: United States

Science editor: Jia-Ping Yan

Date sent for review: 2018-12-12

Date reviewed: 2018-12-18

Review time: 10 Hours, 6 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	[ ] Grade B: Minor language polishing	[ ] Accept (General priority)	[Y] Anonymous
[Y] Grade C: Good	[Y] Grade C: A great deal of language polishing	[ ] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[Y] 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

The study by Besheer et al. describes the use of a combinatorial approach of using DWI and miRNA analyses to improve the diagnosis and staging of hepatitis C to reduce the reliance on biopsy. The strengths of this study are the appropriate age and sex

matching of controls and providing sensitivity, specificity and accuracy analyses for each metric.   Overall, this study is relevant and important to those in the field.   That being said, there are aspects the authors should address to improve the quality of their submission: 1) Why are the authors reporting values as medians versus mean values? It would be more appropriate to report mean values with standard error of the mean. 2) In table 1 are the authors certain about the p values reported?   It would appear that albumin should not be significant just quickly looking at the values and error reported. Also, in the results text the authors state that age was not significantly different but the p value reported is 0.001.   I believe the P value on this chart was for differences in early and late fibrosis using a T test rather than using ANOVA for all groups.   The authors need to specify but should include p values for the variable itself with all groups and for differences between groups.   Also there was no title for Table 1 provided. 3) Figure 2 and 3 are not referenced in the results section or text of the study.   This should be corrected.   4) When was the blood collected for the serum miR assay?   Was this prior or after biopsy as this could influence results. 5) There are wording and grammatical errors with some impacting the readability of the manuscript.   For example, in the introduction, "…with variable but imperfect in dependent diagnostic accuracy in staging" and "Ultrasound elastography used for grading of hepatic fibrosis but it is operator dependent."   The authors need to correct these throughout. 6) The abbreviation use is not consistent.   For example, ADC is used prior to being defined in the text. Micro-RNAs are sometimes listed as miR and at other times miRNA.   The authors should correct throughout.

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[Y] No

BPG Search:

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[   ] Plagiarism

[Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 43491

Title: Diffusion-weighted magnetic resonance imaging and micro-RNA in the diagnosis of hepatic fibrosis in chronic hepatitis C virus

Reviewer's code: 02441021

Reviewer's country: Egypt

Science editor: Jia-Ping Yan

Date sent for review: 2018-12-12

Date reviewed: 2018-12-21

Review time: 9 Hours, 9 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[Y] Grade A: Excellent	[ ] Grade A: Priority publishing	[Y] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] Accept (General priority)	[ ] Anonymous
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	[Y] 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

• Title: Diffusion-weighted Magnetic Resonance Imaging(MRI) and micro-RNA in diagnosis and staging of hepatic Fibrosis in chronic Hepatitis C…….must add…….. Diffusion-weighted Magnetic Resonance Imaging(MRI) and micro-RNA in diagnosis

and staging of hepatic fibrosis in chronic hepatitis C virus infection •
INTRODUCTION = Early detection of hepatic fibrosis has important for HCV……….???
=, with variable but imperfect in dependent diagnostic accuracy in staging……...??? •
RESULTS =Table (5) shows the cut-off values of ADC, miR used to differentiate early
from late fibrosis with area under the, specificity, sensitivity and accuracy……??? •
DISCUSSION =These changes associated with restricted diffusion and lower ADC
value….??? = However multicenter studies are recommended upon a large number of
patients to increased validity of this study….??? • Table (5):   The cut-off values of ADC,
miR used to differentiate early from late fibrosis with area under the curve, sensitivity,
specificity & accuracy……???

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BPG Search:

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[Y] No