

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 48648

Title: Exhaled breath analysis in hepatology: state-of-the-art and perspectives.

Reviewer's code: 03475636

Reviewer's country: United States

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-04-29 09:40

Reviewer performed review: 2019-04-29 09:53

Review time: 1 Hour

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

SPECIFIC COMMENTS TO AUTHORS

Some revision of the English language is needed. There are some parts of the paper where it is quite difficult to make sense of some sentences English edit will help to improve the quality of the manuscript. To mention as several as below: "bed side" should be "bedside" "gut microbioma" should be "gut microbiome" It is not



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professional to use "It's" in academic writing. "it deserve to be further explored" is not correct in grammar. "evidences" is not correct. It is uncountable noun. "allow determine the exact concentration" is not correct in grammar. "susceptible of poor accuracy" "of" should be "to" "A related issues concerns" is not correct. "many other metabolic pathway" is not correct. "Main responsible of fetor hepaticus" is not correct.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

AUTHORS' REPLY

English has been revised throughout the text. We thank the Reviewer for the specific language corrections.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 48648

Title: Exhaled breath analysis in hepatology: state-of-the-art and perspectives.

Reviewer's code: 02446627

Reviewer's country: United States

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-04-28 17:39

Reviewer performed review: 2019-04-29 18:08

Review time: 1 Day

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

SPECIFIC COMMENTS TO AUTHORS

Nicely done article. Addressing an important technology in LC will suggest language polishing

INITIAL REVIEW OF THE MANUSCRIPT



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AUTHORS' REPLY

English has been revised throughout the text.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 48648

Title: Exhaled breath analysis in hepatology: state-of-the-art and perspectives.

Reviewer's code: 02936520

Reviewer's country: Egypt

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-04-28 09:23

Reviewer performed review: 2019-04-29 19:22

Review time: 1 Day and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
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publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This manuscript addresses the use of VOCs in diagnosis of liver diseases. The title is suitable and does reflect the substance of the work. The abstract is informative and does reflect the salient features of the work. The key words are appropriate. The introduction is suitable and lays the appropriate background for the subject. The

methods are unclear specifically relating to the methods of selection of the papers to be reviewed. Were there any selection criteria or is this just a review of all the available papers. The discussion falls short of clarifying the subject. It needs to be more in depth highlighting the specific findings. The conclusion is actually very good. The authors did a good job at clarifying the importance and the reliability of the different studies.

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BPG Search:

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AUTHORS' REPLY

We appreciate the Reviewer's comments.

Concerning the search methodology, the pertinent studies were retrieved from MEDLINE using the following search terms: [(exhaled breath analysis OR electronic nose) AND (liver disease OR liver cirrhosis)]. Only English-language studies were considered. To identify additional studies, manual searching of bibliographies from



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gathered articles and reviews was also performed. Case reports, letters to editor and commentaries, when adding relevant information, were also considered. This information has been added at the begin of “Study Analysis and Discussion”.

With respect to the discussion, we understand that the paragraph presenting and discussing the different studies (Study Analysis) could appear shorter than expected, but it should be considered that most of the findings have been presented and synthesized in the Tables 1 and 2). However, we agree with the Reviewer that this paragraph deserved some integration, and we have now changed its title to “Study analysis and discussion” and discussed more comprehensively some of the main studies which had been only cited in the previous version of the text.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 48648

Title: Exhaled breath analysis in hepatology: state-of-the-art and perspectives.

Reviewer's code: 02445708

Reviewer's country: Poland

Science editor: Jia-Ping Yan

Reviewer accepted review: 2019-04-29 10:28

Reviewer performed review: 2019-04-30 08:34

Review time: 22 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
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publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In this Editorial, Authors critically review the importance of exhaled breath analysis, using new technologies, in pathology and diagnosis of liver diseases. The manuscript is easy to read, provides useful information for medical doctors and other readers. Specific comments It seem to me that Tables 1 and 2 need slight modification. 1. Table 1.

I do not see the differences between Compound and Molecules. Thus Columns 1 (Compound) and 2 (Molecules) should be combined. Moreover, the name of column 3 (Explanation) should be changed. For instance: Metabolic disturbances. 2. Table 2; Column 2 (Breath analysis) please change on Methods of breath analysis. Moreover: a) some abbreviation are missing (for instance AUC), b) CPC is repeat twice.

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BPG Search:

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AUTHORS' REPLY

Thanks for the suggestions. Table 1 and 2 have been revised accordingly.