

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 42419

**Title:** Effects of Alkaline-Electrolyzed and Hydrogen-Rich Water, in a high-fat-diet NAFLD mouse model

**Reviewer's code:** 01436308

**Reviewer's country:** China

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-10-10

**Date reviewed:** 2018-10-10

**Review time:** 0 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 checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" type="checkbox"/> Grade D: Fair	<input 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 checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The study by Jackson et al. investigated the effects of alkaline-electrolyzed and hydrogen-rich water in a high-fat-diet induced mouse model of NAFLD. The study is interesting and the manuscript is well-written. Several weaknesses are acknowledged.



**Baishideng  
Publishing  
Group**

7901 Stoneridge Drive, Suite 501,  
Pleasanton, CA 94588, USA  
**Telephone:** +1-925-223-8242  
**Fax:** +1-925-223-8243  
**E-mail:** bpgoffice@wjgnet.com  
**https://** www.wjgnet.com

1. The study is observational in nature.
2. The authors only measured the modified gene expression by PCR. The alterations of protein expression should be analyzed.
3. Besides preventive effect of H-HRW on NAFLD, is there any therapeutic effect of H-HRW on NAFLD?
4. The author should explain in more detail why average water consumption was significantly higher in H-HRW group than that in L-HRW group and control group.
5. Typo error, NALFD should be NAFLD.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

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

##### ***BPG Search:***

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

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**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 42419

**Title:** Effects of Alkaline-Electrolyzed and Hydrogen-Rich Water, in a high-fat-diet NAFLD mouse model

**Reviewer's code:** 02631746

**Reviewer's country:** United States

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-10-10

**Date reviewed:** 2018-10-10

**Review time:** 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
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<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
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
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		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

nil

### INITIAL REVIEW OF THE MANUSCRIPT



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**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 42419

**Title:** Effects of Alkaline-Electrolyzed and Hydrogen-Rich Water, in a high-fat-diet NAFLD mouse model

**Reviewer's code:** 01805500

**Reviewer's country:** Italy

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-10-10

**Date reviewed:** 2018-10-11

**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:
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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

Authors are kindly requested to express their data as mean plus/minus SD and not SEM, because readers are interested in knowing the dispersion of values and not the precision of the mean due to the paucity of observations for each group. Some words are lacking,



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i.e.,.....ACOX is one of the first in the metabolism of and is a rate-etc... The correct reference for the main role of metabolic syndrome determining HCC via NAFLD is the following....Could metabolic syndrome lead to hepatocarcinoma via non-alcoholic fatty liver disease? World J Gastroenterol. 2014 Jul 28;20(28):9217-28.

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