



PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 54693

Title: Anti-inflammatory and anti-oxidant effects of Aloe vera in rats with non-alcoholic steatohepatitis

Reviewer's code: 02861303

Position: Peer Reviewer

Academic degree: MD

Professional title: Full Professor

Reviewer's Country/Territory: Russia

Author's Country/Territory: Thailand

Manuscript submission date: 2020-02-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-02-17 04:00

Reviewer performed review: 2020-02-17 07:27

Review time: 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

The article makes a good impression. First of all, the high methodological level, which allows to obtain modern and original results, draws attention. There is a small comment on the discussion section. The article, in its essence, is an original study. In this regard, in the "discussion" section it is advisable to justify the novelty of the study. The lecture character of the discussion is acceptable for reviews, but not for original articles. In the list of references, it is desirable to increase the share of works published over the past 5 years. In general, after a small adjustment, the article deserves publication in the World Journal of Hepatology.



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Name of journal: World Journal of Hepatology

Manuscript NO: 54693

Title: Anti-inflammatory and anti-oxidant effects of Aloe vera in rats with non-alcoholic steatohepatitis

Reviewer's code: 03475479

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Lecturer

Reviewer's Country/Territory: Japan

Author's Country/Territory: Thailand

Manuscript submission date: 2020-02-13

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-02-18 06:33

Reviewer performed review: 2020-02-19 14:04

Review time: 1 Day and 7 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Authors evaluated the therapeutic effect of aloe vera using NASH rat model. This report was interesting, but several issues should be addressed. 1. In present model, liver fibrosis was not found. Furthermore body weight decrease was found, inconsistent with human NASH. Thus present model was quite different from that of human. Authors should be aware of these situations and discuss about it. 2. In aloe vera treatment group, fat deposition was not found. Authors should consider the amount of food intake. 3. In present experiment, authors administered aloe vera along with HFHFD. Authors should evaluate the therapeutic effect of aloe vera after NASH development. 4. The target or action of aloe vera was unclear. Authors should evaluate the effect of aloe vera also in vitro models using hepatocytes or macrophages cell lines.



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Name of journal: World Journal of Hepatology

Manuscript NO: 54693

Title: Anti-inflammatory and anti-oxidant effects of Aloe vera in rats with non-alcoholic steatohepatitis

Reviewer's code: 02860897

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Thailand

Manuscript submission date: 2020-02-13

Reviewer chosen by: Ruo-Yu Ma

Reviewer accepted review: 2020-04-16 00:13

Reviewer performed review: 2020-04-24 09:46

Review time: 8 Days and 9 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Aloe vera is a food ingredient that has been used all over the world for a long time. Aloe vera is an attractive substance and many researchers have already paid attention to the action of Aloe vera. Result of your study is interesting, however, further study is needed. 1. Aloe vera contains many ingredients. First, it is necessary to clarify which ingredient is effective. In previous report, Japanese group reported that aloe derived phytosterols could reduce visceral fat accumulation and would be useful for the improvement of hyperlipidemia and hyperglycemia. 2. It is necessary to clarify the cause of weight loss. Did the rats in the weight loss group have sufficient food intake? Also, it is necessary to compare blood lipoproteins in each group.