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OPEN PEER REVIEW

Anti-inflammatory Effect of *Aloe vera* Extract on Inflammatory Cytokines of Rats Fed with a High-Fat Diet (HFD)

Nooshin Yazdani, Seyed Ebrahim Hosseini, Mohammad Amin Edalatmanesh

SUBMITTED	REVISED	ACCEPTED	DOI
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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

3 comments · 16 Apr 2021 – 22 Apr 2021

Leila Zeidooni Reviewer

MAJOR REVISION 16 Apr 2021

1. The manuscript needs English language editing.
2. In the "Abstract section": "Conclusion: In general, the results of the present study show that aloe vera hydroalcoholic extract reduced inflammatory factors in mice fed a high-fat diet".
In this sentence, "mice" is used, but your study is on rats. Correct this.
3. In the "Abstract section": "After blood sampling, serum concentrations of TNF-α, TGF-β, IL-6, INF –γ". This sentence has no verb.
4. In the "Introduction section": Interferon, interleukin (INF). Correct this sentence.
5. In the "Introduction section": "TGF-β is a cytokine/growth factor". Correct this sentence to Transforming growth factor beta (TGF-β).
6. Line 100: "The high-fat emulsion protocol for rats gavage was selected based (12, 13)".
The incomplete sentence must be completed.
7. In the "Results section": Figures should be replaced with clearer and more orderly figures.
8. In the "Discussion section": The ingredients of the Aloe vera gel extracts should be further explained and further studies should be provided for comparison.

Seyed Mohammad Zarei Reviewer

REJECT 16 Apr 2021

Dr Z. Ramazani 16th April, 2020
Editor in Chief
Jundishapur Journal of Natural Pharmaceutical Products
Dear Dr Ramazani
Many thanks for sending the manuscript entitled “Anti-inflamtory effect of aloe vera extracts on inflamatory cytokines of rats fed a high-fat diet” for peer review. I have gone through the manuscript, and in my view, the authors have carried out scientific work. However, the manuscript has several major problems of different types. Although I usually mention problems with some examples when peer-reviewing manuscripts to guide authors in correcting their manuscripts, this manuscript has too many problems to be listed as usual. So, briefly, I should tell you that this manuscript has major problems with the English language, the description of materials and methods, the function of the manuscript and the issues that should be mentioned in each part of the manuscript, the reporting of results, the discussion and conclusion, references and citations, and, finally, the design and explanation of graphs.
In conclusion, in spite of the scientific value of the research idea and experiments carried out by the authors, the manuscript has several ambiguities and mistakes that need correction. In my view, this manuscript is not acceptable without major revision and resubmission.
Best regards.

Editor-in-Chief

MAJOR REVISION 22 Apr 2021

Dear Authors,
We have received the reviewers' comments on your manuscript. They suggest major changes. We will

reconsider your revised manuscript for possible publication as soon as we receive it. Please provide point-by-point answers to the reviewers' comments and highlight them in the revised manuscript.

We are looking forward to receiving your revised manuscript.

Kind regards

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Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Dear Editor-in-Chief of the "*Jundishapur Journal of Natural Pharmaceutical Products* (JJNPP)",

Thank you so much for letting us know about the review result of our manuscript. We would also like to express our thanks to the respected reviewers for the insightful comments as well as the opportunity offered to revise and resubmit the manuscript. Upon the comments given by the respected reviewers, the required revisions were done to the manuscript which have been highlighted in red colour. We hope that the current revised draft of the manuscript is appropriate enough for getting published in the following issue(s) of the journal. Thank you again for your continued assistance in handling our manuscript.

Best regards,

Responses to #Reviewer 1:

1. English language editing was done by an expert editor in the field.

2. In the concluding part of the abstract, the word "mice" was replaced with "rats".

3. In the abstract, the sentence "After blood sampling, serum concentrations of TNF-α, TGF-β, IL-6, INF-γ" was revised and grammatically corrected.

4. In the introduction, "These molecules have several subfamilies, including interferons, growth factor transformers (TGFs), tumor necrosis agents (TNFs), interleukins (INFs), colony stimulants, and chemokines" was modified and corrected.

5. In the introduction, the phrase "TGF-β is a cytokine/growth factor" was replaced with "transforming growth factor beta (TGF-β" .

6. In line 100: "The high-fat emulsion protocol for rats gavage was selected based (12, 13)" was revised and completed.

7. Based on the respected reviewer's comment, major editing was carried out in the results.

8. In the discussion, the ingredients of aloe vera extract were further explained. In addition, further studies were presented for more comparison.

Responses to #Reviewer 2:

1. The conversational language of the article was revised and grammatical errors were corrected.

2. In the materials and methods section, reference 11 was deleted and replaced with a new reference.

3. In the discussion, some fundamental revisions and amendments took place.

Responses to #Reviewer 3:

1. Fundamental revisions and modification regarding English language problems were conducted.

2. A good number of new references were added to enhance to the scientific richness of the manuscript.

3. Fundamental editing and correction was done to the writing and in favor of the expressiveness of the overall manuscript.

2 Revision 1

2 comments · 31 May 2021 – 1 Jun 2021

Referee 1 Reviewer

ACCEPT 31 May 2021

The desired changes have been made, and the manuscript can be accepted at the discretion of the respected editor.

Editor-in-Chief

MAJOR REVISION 1 Jun 2021

Dear Authors,

Reviewers have scrutinized your revised manuscript; it seems major revision is required. We would consider it for publication if you submit the revised version, including a point-by-point response to the comments.

We are looking forward to receiving your revised manuscript.

JJNPP EIC

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Revision 2

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

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Thank you so much for letting us know about the review result of our manuscript. We would also like to express our thanks to the respected reviewers for the insightful comments as well as the opportunity offered to revise and resubmit the manuscript. Upon the comments given by the respected reviewers, the required revisions were done to the manuscript which have been highlighted in red colour. We hope that the current revised draft of the manuscript is appropriate enough for getting published in the following issue(s) of the journal. Thank you again for your continued assistance in handling our manuscript.

Best regards,

Responses to #Reviewer 2

1. English language editing was done by an expert editor in the field

2. Based on the respected reviewer's comment, major editing was carried out in the results

3. In order to document the Figure 6 .Figure 5 was added to the article .

3 Revision 2

1 comment · 28 Jun 2021

Editor-in-Chief

MINOR REVISION 28 Jun 2021

Dear Authors,

Reviewers have scrutinized your revised manuscript; it seems a minor revision is required. We would consider it for publication if you submit the revised version, including a point-by-point response to the comments.

We are looking forward to receiving your revised manuscript.

Kind regards,
JJNPP EIC

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Revision 3

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

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Best regards,

Responses to #Reviewer 1

1.The Criticism is true . The declared reference was modified.

2. The Criticism is true . The sentence was modified.

3. The Criticism is correct, based on the opinion of the esteemed judge, the sentences were corrected. Since the purpose of this study is the anti-inflammatory effect of aloe vera, oxidative stress has not been studied.

4 Revision 3

1 comment · 6 Jul 2021

Editor-in-Chief

ACCEPT 6 Jul 2021

Dear Authors,

I am pleased to inform you that your manuscript has been accepted for publication in JJNPP in the present form. We will forward it to the publisher for further processing.
Thank you for submitting your article, and we hope you will consider our journal for publication of your future research results.

Regards,

JJNPP EIC