OPEN PEER REVIEW

Open Peer Review (OPR)

As a new feature for progressing towards transparency, we decided to open a new window for all of our editors as well as authors titled "**Open Peer Review**". We hope by this new facility, our reviewers will be more motivated and authors will be more satisfied with the review process. We believe that publishing our peer review reports could make a transparent and clear environment for all our efforts within a journal, but not all reviewers tend to publish their comments.

What is "Open Peer Review" process?

An "Open Peer Review" process is making the details of all review process (including reviewers, associate editors, and EICs comments) as "Public" as it is agreed by EIC, Authors, and reviewers.

Advantages of "Open Peer Review" process

- More transparency, constructiveness and tactful comments of the peer review process: leads to an increase in the quality of reviews
- More motivations for all involved roles in the review process
- Authors' satisfactions from the review process: Increases honesty between authors and reviewers
- Education of both authors and new students
- Prevents reviewers from following their individual agendas and leading to the detection of reviewers' conflicts of interests

You can find out more at:
https://sites.kowsarpub.com/kowsar/knowledgebase/category/tree.html#opr.html

Gene, Cell and Tissue
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Peer Review Report for "Antioxidant Effect of High Intensity Interval Training on Cadmium-Induced Cardiotoxicity in Rats"

Author(s): Amin Azhdari, Seyed Ali Hosseini, Sirous Farsi

Review Timeline:

Submit Date: 29 May 2019
Revised Date: 27 Jun 2019
Accepted Date: 6 Jul 2019

Revision (0)

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

REFEREE: Reviewer | Revision (0)

23 Jun 2019

Dear AE,
This paper describes antioxidant effect on cadmium induced cardiotoxicity in Rats by using real time PCR method. This work is well-organized and written , and suitable for publishing in Gene, Cell and Tissue journal after considering the following comments:
1- In the Background section: the years of references must be added: Kai-lo et al(?)/Marcel Pimenentaet al(?)./ Cuba et al. (?).
The name of genes must be corrected with italic format in all sections.
2- In the Methods section: this section needs more information and exact details to clarify the method especially real time PCR method.
a- Table.1 should be complemented with the following data:
- size of PCR products and direction of primer must be added.
-the name of genes must be corrected in italic format .
b- Real time PCR method
Realtime program, the reaction mixtures, name of kit were used for cDNA synthesis,realtime data analysis method, Name of equipment and Manufacturing Country of equipment and materials has been added.
c- Are primers used for the first time in this research?(if this please describe how to designed and selected this primers, insert the software and databases were used for

designing this primers) or this primer sequences were used from previous studies(if this please insert the main references).
3- In the references section:
- please correct the references style according to journal format.insert the doi and PubMed numbers for all references.
- please also used some new references (especially from 2018 or 2019 years).
Thanks.

REFEREE: Reviewer | **Revision** (0) 24 Jun 2019

Dear AE,
There are some comments which should be addressed by the author:
1. Briefly describe the role of these two genes in the abstract.
2. Abstract Conclusion is not correct. By examining the expression of two genes, one can not conclude a mechanism.
3. Mention the cadmium-enzyme suppression mechanism in the introduction.
4. You do not need to compare how to work with others in the method.
5. In the introduction, mention the references to where is the accumulation of cadmium and what is the role of these two genes in the heart?
6. the legends of figures need to correct. What is the star outside of the charts?
7. Conclude the final conclusion based solely on the results of your work.
8. How to select the reference gene?
Thanks.

REFEREE: Associate Editor | **Revision** (0) 24 Jun 2019

Dear EIC,
Congratulation to the authors for this worthy work which would be published after minor revision.
Please the authors see the weighty views of reviewers and please correct point to point and answer questions.
I as AE suggest the authors pay more attention to the discussion and English writing method.
Thanks.

REFEREE: EIC | **Revision** (0) 24 Jun 2019

Dear Author,
Based on the reviewers' and AE comments and as I read, this manuscript is well written.
Thus it can be accepted after minor revision.
Thanks.

OPEN PEER REVIEW

Revision (1)

Reply to Reviewers

Ideally, the reviewing process can significantly improve the submitted manuscripts by allowing the authors to take into account the advice of reviewers. Author(s) must reply to all reviewers' comments in a separate Word file, point by point. A "**Reply to Reviewers**" document is submitted along with revised manuscript during submission of revised files, summarizing the changes that the authors made in response to the reviewers' comments. The responses to reviewers' comments specifies how the authors addressed each comment the reviewers made.

You can read the authors' responses to the reviewers' comments in the next page.

Dear Editor-in-Chief

Thank you for your kind attention to my article in title "**”Antioxidant Effect of High Intensity Interval Training on Cadmium-induced Cardiotoxicity in Rats”** first, reforms of reviewers were respected in the article by red color and they listed below.

Reviewer 1

1. *In background section the years of references added.*
2. *The name of genes corrected with italic format in all sections of article.*
3. *In methods section all information about real time PCR added as reviewer noted (size of PCR products, direction of primer, name of genes corrected in italic format, Realtime program, name of equipment, manufacturing country of equipment and primers reference).*
4. *All references corrected according to journal format (DOI and PubMed numbers for references noted).*
5. *Some new references (2018- 2019 years) used.*

Reviewer 2

1. *The role of GPX and CAT briefly described in the abstract.*
2. *Conclusion of abstract corrected as reviewer noted.*
3. *Cadmium-enzyme suppression mechanism mentioned in background section.*
4. *References of role of GPX and CAT in the heart noted in background section.*
5. *In figures 1 and 2 legends (star) corrected.*
6. *Final conclusion of article corrected as reviewer noted.*

Best regards,

OPEN PEER REVIEW

Revision (1)

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

REFEREE: Reviewer | **Revision** (1) 3 Jul 2019

Dear AE,
The article has been well modified.
Thanks.

REFEREE: Reviewer | **Revision** (1) 3 Jul 2019

Dear AE,
The current manuscript is about the Antioxidant Effect of High-Intensity Interval Training on Cadmiuminduced Cardiotoxicity in Rats. The English language of the manuscript is sufficient. It was also well written and discussed. In addition, the authors have carried out reforms.
Best regards.

REFEREE: Associate Editor | **Revision** (1) 6 Jul 2019

Dear EIC,
Revisions were done well. Thus it can be accepted for publication in GCT.
Thanks.

REFEREE: EIC | **Revision** (1) 6 Jul 2019

Dear Author,
Based on the reviewers and AE comments and as i read revisions were done well. Thus it can be accepted for publication in GCT.
Thanks.