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OPEN PEER REVIEW

How Combined and Separate Aerobic Training and Turmeric Supplementation Alter Lipid Profile and Glycemic Status? A Clinical Trial in Middle-Aged Females with Type 2 Diabetes and Hyperlipidemia

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SUBMITTED	REVISED	ACCEPTED
16 Aug 2021	27 Sep 2021	6 Oct 2021

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 · 5 Sep 2021 – 12 Sep 2021

Referee 1 Reviewer

MAJOR REVISION 5 Sep 2021

Comments to editor:
• Exercise training and turmeric: how are these two related? Why were these two selected? Do they have synergistic effects? These points must be fully addressed in the introduction.
• The introduction needs to be revised to improve the connections between its different parts.
• The study type is stated incorrectly.
• Nothing is mentioned about the determination of the sample size.
• The random allocation method is not mentioned.
• Many undefined abbreviations are used. Reduce them to the necessary ones.
• At the beginning of the discussion, a summary of important results must be provided.
• The strengths and limitations of the study are not provided.
• Suggestions for future research are not mentioned.
• This conclusion is part of the discussion. A suitable conclusion is needed here to be informative and complete on its own.
• A flow diagram of the study is not provided.

Decision: major revision
The manuscript describes a good trial, but several points must be considered.

Associate Editor

MAJOR REVISION 12 Sep 2021

Needs major revision.

Editor-in-Chief

MAJOR REVISION 12 Sep 2021

Please do the revisions.

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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.

Razi University

CHAIRMAN & EDITOR-IN-CHIEF

Dear Mohammad Javad Zibaeenezhad

International Cardiovascular Research Journal

Thanks for your valuable comments.

Due to the recommendations and advice of the referees and the respected editor, the manuscript was edited. All recommended points and revisions were fully implemented.

Finally, we look forward to hearing about the acceptance of this manuscript in your valuable journal.

Answers to the Respected Reviewers' Comments:

Reviewer 1

- Exercise training in diabetic patients might alleviate an inflammatory response that might cause dyslipidemia and oxidative stress-induced glycemic alterations which are the causes of fatigue and low adherence to exercise training in these individuals. Turmeric supplementation has been shown to improve the glycemic status and lipid profile in obese individuals with metabolic disease. these are why we decided to selected them, and we compared the interactional and separate effects of each to investigate if there is a synergistic effect.
- The introduction is edited accordingly.
- Study type is edited.
- The determination of sample size is mentioned in the methods section.
- Random allocation method is mentioned in the method section.
- Abbreviations are defined in the first place mentioned in the text. the necessary items are replaced.
- A summary of important results is mentioned in the discussion.
- •The strengths and limitations of the study are provided.
- A recommendation for future research is suggested.
- The conclusion is edited.
- A flow diagram of the study is provided.

Reviewer 2

- Abstract:
- The sampling method and random allocation are added in the methods.
- The sample size is fully explained
- To control the effect of pre-intervention values the ANCOVA test is used thanks to the respected reviewer.

Main body:

- The type of study is identified in the abstract and main body.
- The sampling method is explained completely
- The inclusion and exclusion criteria are added.
- The random allocation method is explained in the methods.
- The statistical test used, changed to ANCOVA.

2 Revision 1

2 comments · 26 Sep 2021 – 26 Sep 2021

Associate Editor

MINOR REVISION 26 Sep 2021

Please make the revisions as soon as possible.

Editor-in-Chief

MINOR REVISION 26 Sep 2021

minor revision

3

Revision 2

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

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Razi University

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Answers to the Respected Reviewers' Comments:

Reviewer 1

- Alternative analyzes (dif-in-dif) is used after consulting with an experienced biostatistics and considring the advice of the respected reviewer.

- Thanks to the reviewer for his/her great comments on the table section, the format of Tables 3 and 4 is now similirized to Table 2.

3 Revision 2

2 comments · 29 Sep 2021 – 29 Sep 2021

Associate Editor

ACCEPT 29 Sep 2021

accept

Editor-in-Chief

ACCEPT 29 Sep 2021

accept