Zahedan Journal of Research in Medical Sciences
Volume 26 · Issue 2 · e138439

OPEN PEER REVIEW

Comparing the Efficacy of Inhaled Corticosteroid (ICS) Treatment in COPD Patients Based on Blood Eosinophilia: A Clinical Trial Study

Mohammad Kazem Momeni, Omolbanin Afroshte, Mohammad Ali Mashhadi, Abolfazl Payandeh, Mahmoud Amirian, Mohadeseh Chahkandi

SUBMITTED	REVISED	ACCEPTED	DOI
3 Jul 2023	3 Apr 2024	7 Apr 2024	10.5812/zjrms-138439

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.

More about open peer review: brieflands.com/knowledgebase/opr

Contents

1 **Original submission** Ali Mehrabi Tavana, Associate Editor, Editor-in-Chief 2
2 **Revision 1** Editor-in-Chief 3
Authors' reply to reviewers 4
Reviewer and editor comments 6

1 Original submission

3 comments · 15 Jul 2023 – 18 Jul 2023

Ali Mehrabi Tavana Reviewer

MAJOR REVISION 15 Jul 2023

Dear Authors, Your article must be updated in both the Introduction and discussion sections by using very recent references (like ref No.4). In addition, the formula for calculating the sample size is not necessary in papers and must be deleted.

Associate Editor

MINOR REVISION 18 Jul 2023

Dear EIC,
The manuscript has been reviewed, and there are some comments that should be addressed by the author. Based on these comments, the document needs major revision.
Kind Regards

Editor-in-Chief

MINOR REVISION 18 Jul 2023

Dear Author,
Your article has been carefully reviewed by the reviewer. According to their comments, this document needs minor revision. Please follow their comments as requested.
Thanks

2

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

Thank you very much for providing us the reviewer's useful and thoughtful comments and we are grateful for having the opportunity to respond to your comments. Almost all of the comments were considered in the revised manuscript and hope the reviewer finds our responses acceptable. Detailed responses are given below and any changes to the manuscript are in blue.

Thank you for dedicating your time and reading our manuscript

Reviewer 1:

Please see "CONSORT 2010 checklist of information to include when reporting a randomised trial*"
How did you calculate sample size? what are these parameters in formula? with which reference

Thank you for this suggestion. We have attention to *the CONSORT 2010 checklist, and* now have described sample size in more detail and shown it with a blue color in the method section (page 4/line16-21).

Reference used for calculate sample size is: Chow SC, Shao J, Wang H, Lokhnygina Y. Sample size calculations in clinical research. chapman and hall/CRC; 2017 Aug 15.

Please display diagram consort flowchart

We now upload diagram consort flowchart.

Please add about randomization and blinding explain more and exact

Why did you use pair t-test or Wilcoxon for before and after? and please add p-values to table 3

We need to draw your attention to the fact that, our study doesn't have randomization, this study was before and after, we selected 58 patients and divided two groups. About blinding, our investigation was single blind and operator didn't have information of studies groups. We now insert p-values and it has be marked with a blue color.

Please use t-test or Mann- Whitney for change score
Did you use chi-square for categorical data?

We need to draw your attention to the fact that independent t-test was used for comparison the means of two groups (Eosinophilia positive and negative) at baseline. This test also was employed for means comparisons of the two groups after intervention stage.

Paired t test was used for before and after phase in each group separately.

By the way, Shapiro-Wilk, Q-Q plots, skewness, and kurtosis were used for normality checking of the outcome of interest.

Please add p-value to table 2

Thank you for this suggestion. The p-value merged into table.

Reviewer 2:

Dear Authors, Your article must be up-dated in both sections of Introduction and discussion by using very new references (like ref No.4). In addition the formula for calculation of size of sample is not necessary in papers and it must be deleted.

Thank you for your attention, according to this comment, we now up-dated references, and according suggestion of one of reviewers, we inserted the formula for calculation of size of sample in this paper.

2 Revision 1

1 comment · 7 Apr 2024

Editor-in-Chief

ACCEPT 7 Apr 2024

Dear Author,
Your article has been reviewed carefully by the reviewer. The manuscript is accepted.
Regards