

PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 67419

Title: Impact of Streptococcus pyogenes infection in susceptibility to psoriasis: A systematic review and meta-analysis

Reviewer's code: 05395420

Position: Peer Reviewer

Academic degree: MS, PhD

Professional title: Assistant Professor, Research Fellow

Reviewer's Country/Territory: India

Author's Country/Territory: Iran

Manuscript submission date: 2021-04-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-30 08:24

Reviewer performed review: 2021-05-01 05:06

Review time: 20 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

Dear Authors I commend ur efforts to analyse this angle of infection altering the microbiome to be a risk factor for psoriasis. Although various entities have been established as being a risk factor for psoriasis, considering the higher prevalence of Strep pyogenes infection to be a risk factor and the causality could not be established considering the quality of the studies and the heterogeneity involved in them. Moreover the authors have not probed in to the reason for the heterogeneity and did not tend to analyse the reason for the publication bias in the studies included. The methodology needs more tranparency in term of providing the complete search strategy for atleast one of the databases utilised for literature search and it is always better to involve a minimum of 4 databases when the number of search results out of all the included databases were minimal. The authors still have not given the reasons for the exclusion of the articles considered for full text screening. The risk of bias assessment table is not provided in the submitted manuscript. The authors failed to included certain key research articles on the domain of assessment in the discussion part of the manuscript such as <https://jmg.bmj.com/content/39/10/767> <https://www.longdom.org/open-access/psoriasis-a-sequela-of-streptococcal-infection-similar-to-acute-rheumaticfever-2327-5073-1000244.pdf> <https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1440-0960.1996.tb01087.x> A strong discussion to validate the hypotheisis with the results achieved out of the study is needed to give a reasonable weightage to the hypothesis being presented to be accepted and to prove its rationality behind.

PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 67419

Title: Impact of Streptococcus pyogenes infection in susceptibility to psoriasis: A systematic review and meta-analysis

Reviewer's code: 05527205

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Iran

Manuscript submission date: 2021-04-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-30 02:28

Reviewer performed review: 2021-05-08 08:50

Review time: 8 Days and 6 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" 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

This work aims to investigate the The impact of Streptococcus pyogenes infection in susceptibility to psoriasis. This topic is interesting and may provide a potential therapeutic target to psoriasis. However, there are some critical questions need to be improved as following: 1. The manuscript requires English revision, preferably by a native speaker. 2. In order to follow the PRISMA established protocols, the authors should include the PRISM checklist as well as part of Supplementary material, this in order to perform a detailed description for methods and results. E.g it is not clearly established what was the data collection process in order to extract information from each study (methods sections). 3. all the studies included are about 10 years before, recent studies should be included. 4. Authors should introduce this study briefly in the Introduction part instead of just presenting other people's research. 5. Authors should add the website of the four databases in the Method part.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 67419

Title: Impact of Streptococcus pyogenes infection in susceptibility to psoriasis: A systematic review and meta-analysis

Reviewer's code: 05527205

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Iran

Manuscript submission date: 2021-04-23

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2021-06-03 06:53

Reviewer performed review: 2021-06-04 10:39

Review time: 1 Day and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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
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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

SPECIFIC COMMENTS TO AUTHORS

The authors have addressed all problems.