

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Pediatrics*

Manuscript NO: 70295

Title: Impact of sports participation on cardiovascular health markers of children and adolescents: systematic review and meta-analysis

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05212440

Position: Peer Reviewer

Academic degree: PhD

Professional title: Academic Research, Associate Professor

Reviewer's Country/Territory: Saudi Arabia

Author's Country/Territory: Brazil

Manuscript submission date: 2021-07-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-19 02:00

Reviewer performed review: 2021-08-25 17:54

Review time: 6 Days and 15 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 Grade E: Do not publish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="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

This study aims to synthesize the available literature on the impact of sports participation on cardiovascular outcomes in children and adolescents. The topic is very important and relevant to the field. However, some issues should be addressed.

Abstract - Results section is poorly framed. It has to be re-written. -

Recommendations should be included in the conclusion section. Introduction -

Introduction is very short. Introduction does not cover all the elements of the manuscript. - Explain the rationale of the study. Please delete information unrelated to objective so that the section will be more detailed and clarified. - Kindly focus on three elements of introduction. a. What is known about the topic? (Background) b. What is not known? (The research problem) c. Why the study was done? (Justification) -

Hypothesis of the study and its significance are not clear. Methods - Methods need to be organized. Ethics and endpoint of the study are not clarified. -According to PRISMA checklist, some information are missed. Please, review. Discussion - The discussion section needs to be described scientifically. Kindly frame it along the following lines: 1. Main findings of the present study 2. Comparison with other studies 3. Implication and explanation of findings 4. Conclusion, recommendation and future direction.