

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Pediatrics*

**Manuscript NO:** 66602

**Title:** Adipocytokine profile in children with Kawasaki disease at a mean follow-up period of 5.5 years – a study from North India

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 01943305

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** India

**Manuscript submission date:** 2021-03-31

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-31 14:35

**Reviewer performed review:** 2021-04-07 07:12

**Review time:** 6 Days and 16 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 Grade E: Do not publish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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	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

Manuscript n° 66602 Adipocytokine profile in children with Kawasaki disease at a mean follow-up period of 5.5 years – a study from North India by Praheraj et al. Dear Editor, The topic of the work is interesting even if there are some points to review. First of all, English should be revised, there are various grammatical errors and typos. The abstract is clearly written and the purpose of the work is well reported. Among the keywords, I suggest to insert also “lipid metabolism”. In the table 1, why is the lipid profile of the controls not reported? Authors may enter this information? It should also be seen whether adipocytokines correlate with the lipid profile of patients. Anthropometric characteristics of patients and controls should also be reported, as it is well reported in the literature that adipocytokines levels are also influenced by anthropometric parameters such as BMI or this topic should be mentioned. In addition, in the discussion section, the authors should better clarify the role that adipocytokines, and in particular adiponectin, have in the immune response and inflammation, also related to the lipid profile. In this regard, the authors can consult these works “Adiponectin Expression Is Modulated by Long-Term Physical Activity in Adult Patients Affected by Cystic Fibrosis” by Polito et al., and “Supervised physical exercise improves clinical, anthropometric and biochemical parameters in adult cystic fibrosis patients: A 2-year evaluation” by Elce et al, which could be useful for this purpose. The work is interesting and with the suggested modifications can be considered for publication.

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**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05844632

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Sweden

**Author's Country/Territory:** India

**Manuscript submission date:** 2021-03-31

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-31 08:36

**Reviewer performed review:** 2021-04-09 12:57

**Review time:** 9 Days and 4 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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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

<b>Peer-reviewer statements</b>	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 study by Praharaj et al aims to determine if children in the convalescent phase of Kawasaki disease (KD) have alterations in adipokine levels compared to healthy controls. The study is easy to follow and well written, and the research question is interesting. Due to the rarity of the disease, the studies done on the topic enrich the current literature. The main limitation of the study is that the population cohort is small, which can be expected because KD is a rare disease. However, I think that the manuscript could be highly improved by adding a larger control group, maybe matched 1:2 or 1:3. Another suggestion is to adjust the main analyses (i.e. adipokines levels across the two groups) for current age as adipokine levels may vary with age. Minor comment: - Discussion: "adiponectin has 2 isoforms - low molecular weight (LMW)-adiponectin and high molecular weight (HMW)-adiponectin. The former has anti-inflammatory effects, while the latter has pro-inflammatory effects". It is still unclear if adiponectin isoforms exert different effect, and I suggest to tone down this sentence