



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Meta-Analysis*

**Manuscript NO:** 73483

**Title:** Leptin Levels in Women with Unexplained Infertility: A Systematic Review and Meta-Analysis

**Provenance and peer review:** Unsolicited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02914013

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2021-11-22

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-12-01 09:03

**Reviewer performed review:** 2021-12-02 05:13

**Review time:** 20 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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<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**

The objective of the present manuscript, a systematic review and meta-analysis was aimed to find serum leptin levels in women with unexplained infertility and arrived at a conclusion, that the elevated leptin levels were detected in women with UI compared with fertile women, hence, leptin could be a potential biomarker for UI in women, and may be useful for identifying women with a high risk of infertility. It is a well conducted review with a proper use of qualitative assessment and regression analysis; however the authors advised to give more focus in explaining the link between adipose tissue and reproductive system and concern regarding serum leptin levels in infertile and fertile women before addressing UI.



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

**Peer-review model:** Single blind

**Reviewer’s code:** 05774529

**Position:** Editorial Board

**Academic degree:** FASCRS, MD, PhD

**Professional title:** Deputy Director

**Reviewer’s Country/Territory:** China

**Author’s Country/Territory:** Nigeria

**Manuscript submission date:** 2021-11-22

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-11-29 12:30

**Reviewer performed review:** 2021-12-08 15:26

**Review time:** 9 Days and 2 Hours

<b>Scientific quality</b>	<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
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### **SPECIFIC COMMENTS TO AUTHORS**

In this article, the authors included 6 studies that fulfilled the eligibility criteria and conducted a META-analysis, which found that women with unexplained infertility had significantly higher leptin levels than fertile women. This result suggested that leptin might be a potential biomarker for women UI that could help identify women with a high risk of infertility. This article has certain clinical value. To be honest, they did a good job.