

## PEER-REVIEW REPORT

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

**Manuscript NO:** 83337

**Title:** Implications of obesity and adiposopathy on respiratory infections; focus on emerging challenges

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

**Peer-review model:** Single blind

**Reviewer's code:** 05459871

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Adjunct Associate Professor

**Reviewer's Country/Territory:** Saudi Arabia

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

**Manuscript submission date:** 2023-01-17

**Reviewer chosen by:** Geng-Long Liu

**Reviewer accepted review:** 2023-01-26 10:04

**Reviewer performed review:** 2023-02-07 20:54

**Review time:** 12 Days and 10 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<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
<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

We thank the authors for this interesting study. In this article, the authors present the many pathophysiological implications of obesity and adipose tissue dysfunction on lung function, the immune system, and lung infections. This article is well-written and richly researched. I think it is acceptable in its current form and only needs minor changes. 1- The last paragraph of the Introduction section: The manuscript is already finished, so please use the past tense to report what you have done. 2- The abbreviations are numerous and cause misunderstandings among readers. Please keep them to a minimum.

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**Title:** Implications of obesity and adiposopathy on respiratory infections; focus on emerging challenges

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

**Peer-review model:** Single blind

**Reviewer's code:** 05227830

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2023-01-17

**Reviewer chosen by:** Geng-Long Liu

**Reviewer accepted review:** 2023-02-08 10:58

**Reviewer performed review:** 2023-02-08 11:25

**Review time:** 1 Hour

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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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<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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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

Dear Author(s), thank you for your manuscript. This is a highly important topic, especially now due to ongoing COVID-19 pandemic. However, to the best of my knowledge your article has several omissions. It is lacking in data especially regarding all potential pathophysiological mechanisms linking obesity and increased COVID-19 severity, e.g. more data regarding obesity-related low-grade chronic inflammation, higher expression of angiotensin converting enzyme-2 and pathway-associated components, as well as decreased vitamin D bioavailability, and gut microbiome dysbiosis. Thus, for instance you may refer to E.g. 10.1016/j.obmed.2020.100259. ; 10.1016/j.obmed.2020.100302. At the present time major revision is needed. Best regards, Rewiever.