

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 61784

Title: Polycystic ovary syndrome: pathways and mechanisms for possible increased susceptibility to COVID-19

Reviewer's code: 02894577

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Physician, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Greece

Manuscript submission date: 2020-12-19

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2020-12-21 08:59

Reviewer performed review: 2020-12-22 09:31

Review time: 1 Day

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" 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 Grade E: Do not publish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 type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" 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

The article entitled "Polycystic ovary syndrome: nonalcoholic fatty liver disease, gut microbiome, metabolic consequences and susceptibility to COVID-19" was read with interest. The present review surely contributes to understanding the relationship between metabolic diseases and COVID-19 infection. However, this is a paper that still needs a lot of work in order to be publishable. Specific Comments: 1. The abstract should be more clarified with current status, purpose and what are the main advanced knowledge or information. 2. The title is confusing and should be revised. 3. Part "PCOS AND THE GUT MICROBIOME": More attention should be paid to the relationship between host immunity and the gut microbiota. 4. Part "PCOS VS SARS-COV-2 INFECTION": This section needs to have more appropriate references. In fact, as the core content of the whole article, this part needs to add some more information. 5. Part "NAFLD AND THE GUT MICROBIOME": This part seems redundant for this review, which does not elaborate the authors' view very well. 6. Most of the review focus on the relationship between Polycystic ovary syndrome, NAFLD or gut microbiome, which has been well known in published article, However, few elucidated the relationship between PCOS and COVID-19, and also the possible mechanism involved.

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 61784

Title: Polycystic ovary syndrome: pathways and mechanisms for possible increased susceptibility to COVID-19

Reviewer's code: 05385069

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoctoral Fellow, Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Greece

Manuscript submission date: 2020-12-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-12-22 16:36

Reviewer performed review: 2020-12-22 16:39

Review time: 1 Hour

Scientific quality	[<input checked="" type="radio"/>] Grade A: Excellent [<input type="radio"/>] Grade B: Very good [<input type="radio"/>] Grade C: Good [<input type="radio"/>] Grade D: Fair [<input type="radio"/>] Grade E: Do not publish
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Re-review	[<input type="radio"/>] Yes [<input checked="" type="radio"/>] 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 topic is very interesting and need to publish it.