



PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 65898

Title: Orosomucoid-like protein 3, rhinovirus and asthma

Reviewer's code: 05432496

Position: Peer Reviewer

Academic degree: PhD

Professional title: Research Fellow

Reviewer's Country/Territory: Brazil

Author's Country/Territory: United Kingdom

Manuscript submission date: 2021-03-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-17 14:59

Reviewer performed review: 2021-03-20 19:14

Review time: 3 Days and 4 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent [] Grade B: Very good [] Grade C: Good [] Grade D: Fair [] Grade E: Do not publish
Language quality	[] Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing [] Grade C: A great deal of language polishing [] Grade D: Rejection
Conclusion	<input checked="" type="checkbox"/> Accept (High priority) [] Accept (General priority) [] Minor revision [] Major revision [] Rejection
Re-review	[] Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous [] Onymous Conflicts-of-Interest: [] Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

This review manuscript summarizes the current knowledge on the orosomuroid-like protein 3 (ORMDL3) gene, Rhinovirus infection, and Asthma. The title, abstract, and keywords are appropriated. Nevertheless, the manuscript is more HRV centered, I would suggest changing the title to remove the "asthma". The text is concise and cites the mains investigations (references) on the subject. The manuscript lacks a graphical abstract, but has 2 tables "ORMDL3 Roles in Regulating Human Rhinovirus Infection" and "The Models for Studying Interaction of Host and Environmental Factors". Please cite table 1 on the text. Importantly, the author highlights the potential investigation methods and applications. The quality of the manuscript is very good, with few typos.



PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 65898

Title: Orosomucoid-like protein 3, rhinovirus and asthma

Reviewer's code: 00005290

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: United Kingdom

Manuscript submission date: 2021-03-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-19 11:07

Reviewer performed review: 2021-03-23 11:13

Review time: 4 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input 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
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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

Dr Youming Zhang presents an interesting review, focusing on the recent research on the relationship between ORMDL3 gene, childhood asthma and HRV infection. ORMDL3 has been shown to mediate HRV infection through regulating expression of HRV receptor ICAM1, metabolisms of ceramide and sphingosine-1-phosphate (S1P), endoplasmic reticulum (ER) stress, ER-Golgi interface and glycolysis. In the conclusion the Author suggests the use of genetic modified epithelial cells provides a powerful platform to identify novel therapeutic targets related to HRV infection, which is a well-known trigger of asthma, not only in children. Minor points 1-Any data concerning the phenotype (allergic, eosinophilic, non eosinophilic etc) of asthma related to ORMDL gene polymorphism? 2- ORMDL3 is expressed in eosinophils and some data showed that, In adult subjects, the number of T alleles at SNP rs7216389 is related to significantly greater FeNO levels and peripheral eosinophil counts (Schwantes EA et al J Asthma Allergy 2017).



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 65898

Title: Orosomucoid-like protein 3, rhinovirus and asthma

Reviewer's code: 00005290

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: United Kingdom

Manuscript submission date: 2021-03-17

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2021-04-19 06:38

Reviewer performed review: 2021-04-19 06:49

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
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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

In the revised manuscript addressed all the raised points.