



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 62446

Title: Dynamics of Host Immune Responses to SARS-CoV-2

Reviewer's code: 00039368

Position: Editorial Board

Academic degree: DA, PhD

Professional title: Academic Research

Reviewer's Country/Territory: Estonia

Author's Country/Territory: Iran

Manuscript submission date: 2021-01-08

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-03-01 10:06

Reviewer performed review: 2021-03-09 12:45

Review time: 8 Days and 2 Hours

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 Grade E: Do not publish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 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input 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



**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 is a very well written review paper which analyze the dynamics of host immune responses to COVID-19, the role of effector mechanisms of the immune systems as a possible contributing factor to developing severe forms of COVID-19. The authors pay special attention to discuss the possible role of immunologic phenomena including antibody-dependent enhancement, cytokine storm and original antigenic sin in severity of COVID-19. The authors give the extensive overview about the antibody-mediated immune responses to SARS-CoV-2, have analyzed very well the possible mechanisms of antibody-dependent enhancement of SARS-CoV-2 infection and its role in the severity and mortality of COVID-19. Very useful and precise is the list of abbreviations in the beginning of the manuscript and the Figure with schematic representation of antibody-dependent enhancement of viral infections. The authors have reviewed and analyzed a sufficient amount of literature (70 references). This paper makes a contribution to studies concerning the better understanding of the mechanisms of host immune response to COVID-19.