OPEN PEER REVIEW

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What is "Open Peer Review" process?

An "Open Peer Review" process is making the details of all review process (including reviewers, associate editors, and EICs comments) as "Public" as it is agreed by EIC, Authors, and reviewers.

Advantages of "Open Peer Review" process

- More transparency, constructiveness and tactful comments of the peer review process: leads to an increase in the quality of reviews
- More motivations for all involved roles in the review process
- Authors' satisfactions from the review process: Increases honesty between authors and reviewers
- Education of both authors and new students
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You can find out more at:
https://brieflands.com/briefland/knowledgebase/category/tree.html#opr.html

Iranian Journal of Pediatrics
Article DOI: 10.5812/ijp.106935
Published in: Iranian Journal of Pediatrics: 30(5); e106935

Peer Review Report for "Gastrointestinal Manifestations and Dynamics of Liver Enzymes in Children and Adolescents with COVID-19 Infection: A Systematic Review and Meta-Analysis"

Author(s): Naghi Dara, Amirhossein Hosseini, Ali Akbar Sayyari, Mihnea-Alexandru Gaman, Somaye Fatahi

Review Timeline:

Submit Date:	28 Jun 2020
Revised Date:	1 Aug 2020
Accepted Date:	8 Aug 2020

Revision (0)

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

REFEREE: Reviewer | **Revision** (0) — 15 Jul 2020

Dear AE,
This is valuable study on COVID - 19 organ involvements,
1. Please correct the keywords segment according to MESH
2. slightly compact the title, if possible
3. how many patients had had both GI and liver manifestations simultaneously?
Thanks

REFEREE: Reviewer | **Revision** (0) — 20 Jul 2020

Dear AE,
The article was interesting. There are the following problems
1. At what stage of the disease (viral stage, pulmonary stage, and hyperinflammatory stage), an increase in liver enzymes has occurred?
2. Were there any medications in these patients? No mention.

Thanks

REFEREE: Reviewer | **Revision** (0) 21 Jul 2020

Dear AE,
I really Thank you for inviting me to review this manuscript.
This article needs additional information:
1-Just one keyword was written,
2- Some things is important for noting in result (how many percents of patients with GI presentation have respiratory symptoms, what was the mortality percentage in patient with GI presentation and what was the duration of admission time)
Thanks

Mandana Rafeey: Associate Editor | **Revision** (0) 21 Jul 2020

Dear EIC,
1- keyword was written according to MESH.,
2- Please the authors mention in result :
how many percents of patients with GI presentation have respiratory symptoms, what was the mortality percentage inpatient with GI presentation and what was the duration of admission time?
Please described treatment schedule.
Thanks

REFEREE: EIC | **Revision** (0) 21 Jul 2020

Dear Authors,
Thank you for submitting your manuscript to Iran J Pediatr. Your manuscript has now been reviewed by three reviewers and an Associate Editor. I now have the reports of the Referees, which suggest that your manuscript might be suitable for publication following a number of revisions. I attach some reviewer comments and invite you to submit a revised version of your manuscript addressing the points made.
Thanks

OPEN PEER REVIEW

Revision (1)

Reply to Reviewers

Ideally, the reviewing process can significantly improve the submitted manuscripts by allowing the authors to take into account the advice of reviewers. Author(s) must reply to all reviewers' comments in a separate Word file, point by point. A "**Reply to Reviewers**" document is submitted along with revised manuscript during submission of revised files, summarizing the changes that the authors made in response to the reviewers' comments. The responses to reviewers' comments specifies how the authors addressed each comment the reviewers made.

You can read the authors' responses to the reviewers' comments in the next page.

June 22, 2022

Prof. Vahid Ziaee

Editor-in-Chief | Iranian Journal of Pediatrics

Thank you for the invaluable comments by the reviewer (s) that have enabled us to improve this manuscript. The manuscript has been revised according to the reviewer's comments and journal style. Below is a detailed response to the reviewers; the reviewers comments are in bold and our responses follow. In addition, we highlighted all changes in the text of the manuscript in red.

Yours Sincerely

Dr.Somaye fatahi, Pediatric Gastroentrology, Hepatology and Nutrition Research Center, Research Institute for Children's Health, Shahid Beheshti University of Medical sciences, Tehran, Iran, E-mail: fatahis70@gmail.com

Reviewers' Comments to Author:

Reviewer #1

Dear author
Thank you For submitting your article in the Iranian Journal of Pediatrics
The article was interesting. There are the following problems
1. At what stage of the disease (viral stage, pulmonary stage and hyperinflammatory stage), increase in liver enzymes has occurred?

Many thanks for your point. We reviewed all the pooled articles, with the exception of Chen et al. (1)and Han et al.(2) study, which stated that gastrointestinal symptoms had occurred in the early stages of the disease, other studies did not mention the issue.

2- *Were there any medications in these patients? No mention.* Many thanks for your point.

Added in Table 1.

Reviewer #2

This is valuable study on COVID - 19 organ involvements,
1.please correct keywords segment according to MESH.

Authors: Many thanks to the reviewer for the valuable comments. Added.

Coronavirus, SARS-CoV-2, COVID-19, gastrointestinal symptoms, children, adolescence, Meta -analysis

2.slightly compact the title, if possible

Thank you. Agreed.

Gastrointestinal Manifestations and Dynamics of Liver Enzymes in Children and Adolescents with COVID-19 Infection: A Systematic Review and Meta-analysis

3- *how many patients had had both GI and liver manifestations simultanoeusly?*

Authors: Thank you for your point.

Unfortunately, we are unable to calculate the percentage of total gastrointestinal symptoms and elevated liver enzymes. The reason for our work was that most studies provided a separate percentage for gastrointestinal symptoms as well as a separate percentage for elevated liver enzymes, so there was a concern that if we add up these numbers we would get false results. because it is possible some people have both symptoms and the overlap of symptoms does not allow us to reach accurate results.

Reviewer #3

1-Just one key word was written,

Authors: Thank you.

Coronavirus, SARS-CoV-2, COVID-19, gastrointestinal symptoms, children, adolescence, Meta -analysis

2-Some things is important for noting in result (how many percents of patients with GI presentation have respiratory symptoms, what was the mortality percentage in patient with GI presentation and what was the duration of admission time)

We extracted the "duration of admission time "from the articles and entered it in Table 1. However, *the* percent of patients with GI presentation have respiratory symptoms or the mortality percentage in patient with GI *were not specifically and accurately included in any of the studies. Therefore, we have added your suggestion to the suggestions section of our article to consider future studies on these two issues as well.*

Associate Editor's Comments:

Associate Editor 1:
1- keyword was written according to MESH.,

Coronavirus, SARS-CoV-2, COVID-19, gastrointestinal symptoms, children, adolescence, Meta -analysis

2- Please mention in result :
how many percents of patients with GI presentation have respiratory symptoms, what was the mortality percentage inpatient with GI presentation and what was the duration of admission time?

We extracted the "duration of admission time "from the articles and entered it in Table 1. However, *the* percent of patients with GI presentation who have respiratory symptoms or the mortality percentage in patient with GI *were not specifically and accurately included in any of the studies. Therefore, we have added your suggestion to the suggestions section of our article to consider future studies on these two issues as well.*

Limitation section: "As well as, we have not been able to accurately extract information such as percent of patients with GI presentation who have respiratory symptoms or the mortality percentage in patient with GI from the articles, so it seems that these issues will be considered in future studies."

Please described treatment schedule

The treatment schedule section added to Table 1.

1. Chen J, Zhang Z-Z, Chen Y-K, Long Q-X, Tian W-G, Deng H-J, et al. The clinical and immunological features of pediatric COVID-19 patients in China. Genes & Diseases. 2020.

2. Han Yn, Feng Zw, Sun Ln, Ren Xx, Wang H, Xue Ym, et al. A comparative-descriptive analysis of clinical characteristics in 2019-coronavirus-infected children and adults. Journal of Medical Virology. 2020.

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Revision (1)

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

REFEREE: Reviewer | **Revision** (1) — 3 Aug 2020

Dear AE,
This manuscript is acceptable for publishing in your journal.
Thanks

REFEREE: Reviewer | **Revision** (1) — 7 Aug 2020

Dear AE,
Is the keyword on the base of MESH?
This is a useful and valuable study.
Thanks

Mandana Rafeey: Associate Editor | **Revision** (1) — 8 Aug 2020

Dear EIC
Based on the authors' answers to the reviewers' comments, the reviewer(s) have recommended publication.
Kind regards.

REFEREE: EIC | **Revision** (1) — 8 Aug 2020

Dear Authors,
The second round of peer review of your manuscript has been completed, and I am pleased to inform you that your manuscript has now been accepted for publication in our journal.
Thanks