

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Transplantation

**Manuscript NO:** 64338

**Title:** Medical Nutritional Therapy for Renal Transplantation in the COVID-19 Pandemic

**Reviewer's code:** 04467591

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Academic Research, Doctor, Postdoctoral Fellow, Statistician

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

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

**Manuscript submission date:** 2021-02-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-08 10:01

**Reviewer performed review:** 2021-04-08 10:44

**Review time:** 1 Hour

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 Grade E: Do not publish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



**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**

Overall, this is an interesting and relevant brief review, which is well written and instructive. I have several comments on additional information and citations I deem worth including. Supplements are briefly mentioned. Could the author elaborate a little bit more on that topic? What is known about their role in boosting the immune response against COVID-19? Are there any data available specifically in patients after renal transplantation? The following article could be interesting for that matter. [https://www.frontiersin.org/articles/10.3389/fimmu.2020.01548/full?fbclid=IwAR33z\\_j5ndzismgWBK5Po\\_egVkecQGZWZhxBg-u7go35ytchTUE8JWFUC64](https://www.frontiersin.org/articles/10.3389/fimmu.2020.01548/full?fbclid=IwAR33z_j5ndzismgWBK5Po_egVkecQGZWZhxBg-u7go35ytchTUE8JWFUC64) The importance of vitamin D is stressed in the article for a good reason. Can the author elaborate a little more on the biological mechanisms of its beneficial effects in kidney transplantation and protection against viral infection? As vitamin C is a subject of a long-standing discussion in the treatment of viral infections in general and recently COVID-19 in particular, can the author include a paragraph on its role in combating the SARS-CoV-2 virus? Is there any empirical data available for patients with renal disease in particular? (See also [https://www.jrnjournal.org/article/S1051-2276\(20\)30083-2/fulltext](https://www.jrnjournal.org/article/S1051-2276(20)30083-2/fulltext) and [https://helda.helsinki.fi/bitstream/handle/10138/317374/ic\\_52\\_222.pdf?sequence=1](https://helda.helsinki.fi/bitstream/handle/10138/317374/ic_52_222.pdf?sequence=1)) Another thematic complex touched upon in the manuscript is minerals. Can the author elaborate in greater detail on the specific roles of particular micronutrients? As iron deficiency is a notorious problem in patients after kidney transplantation (<https://pubmed.ncbi.nlm.nih.gov/19076330/>) I'd be particularly interested in the part of iron deficiency and supplementation strategies in the context of kidney transplantation and viral infection. Another interesting aspect is melatonin's potential roles, which have been attributed to kidney-protective effects in sepsis and probiotic supplements. E.g., mentioned in this review: <https://www.sciencedirect.com/science/article/pii/S2405844021001134#bib152> Can

the author discuss these topics briefly and cite available evidence in transplanted patients (or otherwise point out that evidence is lacking).

## PEER-REVIEW REPORT

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**Title:** Medical Nutritional Therapy for Renal Transplantation in the COVID-19 Pandemic

**Reviewer's code:** 04025443

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Doctor, Senior Researcher

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

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

**Manuscript submission date:** 2021-02-19

**Reviewer chosen by:** AI Technique

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**Reviewer performed review:** 2021-04-13 03:10

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<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 checked="" type="checkbox"/> Yes <input 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



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## **SPECIFIC COMMENTS TO AUTHORS**

The reviewed manuscript is supposed to be a mini-review on nutrition in patients with kidney transplantation in COVID-19 pandemic. This information is on high-demand and would attract attention of the readers. Although the main aspects of nutrition for patients in the waiting list and after kidney transplantation are given, there are some concerns that require author's attention. Although it is clear that the authors faced the problem of lacking evidence-based information on the association of nutrition and kidney disease flow and outcomes in SARS-CoV2 infected persons, in the current state the paper seems too general. I would suggest that general trends in change of nutrition in the era of COVID-19 outbreak would be added, in view of their influence on chronic kidney disease (CKD) and kidney transplantation (factors that currently supposed to be associated with higher chances to acquire infection, those associated with the severity of COVID manifestations, and recovery). The title of the paper contains "medical nutritional therapy". Could you please explain the term in the text? Are there any concerns related to provision of medical nutrition to patients before and after kidney transplantation in COVID era? What about the use of the specialized products (availability? products for nutritional support of patients with CKD and respiratory insufficiency? the influence of products enriched with PUFAs on kidney function?)? What is the role of enteral and parenteral nutrition in the management of patients with CKD or after kidney transplantation in case they are infected with SARS-CoV-2? Whether it is possible to assess the efficacy of the published guidelines for nutritional management of individuals with SARS-CoV-2 infection (for example, <https://doi.org/10.1016/j.clnu.2020.03.022>) on CKD and peri-transplantation period?

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

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

**Manuscript submission date:** 2021-02-19

**Reviewer chosen by:** Han Zhang (Online Science Editor)

**Reviewer accepted review:** 2021-05-18 10:54

**Reviewer performed review:** 2021-05-18 10:59

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<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>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

The authors have included significant additions into the revised manuscript. In my

opinion, the article's quality is excellent in the present state. I recommend it for publication in the current form.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

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

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**Reviewer chosen by:** Han Zhang (Online Science Editor)

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**Review time:** 14 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
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<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 colleagues! I read with pleasure and interest the revised version of your



manuscript "Medical Nutritional Therapy for Renal Transplantation in the COVID-19 Pandemic" and your comments in the "Answering reviewers -revision 1". You've made a great work, and now the article became better organized and clear. I think no further improvements are necessary.