

ANSWERING REVIEWERS

Name of journal: *World Journal of Critical Care Medicine*

Manuscript NO: 75268

Title: Effects of nutrients on immunomodulation for patients with severe COVID-19: current knowledge

Reviewer's name: Edward A. Bittner

Reviewer's code: 03110530

Dear reviewer,

We are glad for the great evaluation and for your comments about our manuscript. Our group included the suggestions along with the manuscript:

- 1- We changed the title from "Patients with severe COVID-19: what is the role of nutritional profile on immunomodulation?" to "Effects of nutrients on immunomodulation for patients with severe COVID-19: current knowledge", as suggested.
- 2- The abstract was restructured, describing the background, methods, results and conclusions. We've also shortened it and stripped it of excess information.
- 3- The article was reviewed by a native speaker.
- 4- We thought it best to remove Figure 1, which provided a summary of the methodology. The methodological process was better detailed.
- 5- A column was added with the clinical outcomes of each nutrient in the table.
- 6- General information about each micro/macro nutrients was placed at the beginning of the subtopic and information about COVID-19 was placed at the end of each subtopic.

- 7- Some information considered irrelevant was removed from the subtopics and the excess description of the ESPEN guidelines on IV lipid emulsion administration
- 8- The information provided by the ESPEN guideline was used and added to the findings and conclusions of the text.

Best regards,

Fabício Freire de Melo

Professor, PhD

Reviewer's name: Yin Ping Wong

Reviewer's code: 05483101

Dear reviewer,

We greatly appreciate your comments. All suggestions were followed and are listed below.

- 1- The suggested keywords "coronavirus, immunomodulation "were added to the text. In addition, other keywords that had been used and not included were added to improve the methodological understanding.
- 2- The previous Figure 1 was excluded from the manuscript and the referring text to the methodology was complemented. PRISMA guidelines was incorporated as much as possible for a minireview, describing the inclusion and exclusion criteria.
- 3- The diagram summarizing the nutrients supplementation mechanisms of action in targeting COVID-19 has been included.
- 4- The description of the nutrients mechanisms was increased up to cellular level
- 5- The dosages of the use of each supplement by different age groups were included in each micro/macro nutrient mentioned.

- 6- The clinical trials for supplement usage in severe COVID-19 were included.
- 7- The text was analyzed by a native speaker, trying to eliminate the grammatical errors that appeared. The terminologies “COVID-19” and “SARS-CoV-2” were homogenized.

Best regards,

Fabrício Freire de Melo

Professor, PhD