

Editor's Comment:

The article is of great interest in the area of public health and I find relevant this type of publication. However, I have some reservations about the article to be published.

Initially, English should be reviewed.

As for the text itself, I think the authors should describe it in more depth the association of micronutrients and their action on the immune system and how this action could favor or not SARS-Cov-2 infection (COVID-19), once that the title itself suggests such a text (Role and Effects of Micronutrients Supplementation in the Immune System and SARS-Cov-2 (COVID-19)). When reading the text there was a lack of association between micronutrients x immune system x SARS-Cov-2 (COVID - 19).

So, I thought the text was written with a lot of superficiality. It was mentioned where these micronutrients act in the immune system:

Cell-mediated immunity impairment, phagocyte function, complement system, cytokine production, among others.

It is known that the Deficiency of single nutrients could result in altered immune responses such as zinc, selenium, iron, copper, magnesium, manganese, vitamins A, C, E, and B-6; and folic acid influencing immune responses.

Nutrition constitutes a fundamental element in the development and the decline of immune status by maintaining immune homeostasis throughout life and reinforce immunity mechanisms especially among vulnerable individuals (elderly, pregnant, and infant groups, malnutrition).

It was not discussed how these immune components would act on the entry of the virus into the cell, for example. Or at other stages of the infection.

The authors mention that there is little literature on the subject, but as this is a review, they could have included citations of other viral infections and the effects of micronutrients and the immune system in this situation and discussed possibilities with SARS-Cov-2 (COVID-19).

Therefore, I believe that a complex review is necessary before it is published. This would lead to a better quality of the review and consequently would value the magazine as it would allow many accesses.

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