



COVID-19 and the act of making science

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In the last year, we have been embraced by the emergence of a new disease that has generated profound impacts on societies globally. Coronavirus Disease 2019 or COVID-19 presents itself as a pathology supported by the triggering of an inflammatory cascade with release of cytokines and inflammatory substances in plasma [1]. Therefore, several attempts to circumvent the emergence of these changes have been appearing in the scientific environment.

The exploration of drugs that would be potentially effective in combating COVID-19 was a strategy actively implemented by scientists. However, no antiviral has, in fact, been proven to be specific in the control of changes caused by COVID-19 so far [2]. Some researchers believe that, as the Acute Respiratory Distress Syndrome caused by coronavirus related to Severe Acute Respiratory Syndrome 2 (SARS-CoV-2) is the result of the inflammatory response, the release of inflammatory mediators could be modulated by some nutritional substrates or immunonutrition [3,4].

The greatest hope currently lies in vaccines. The global effort to create immunizers against COVID-19 is unprecedented in terms of scale and speed. This represented an important change about the traditional path of vaccine development [5].

The pandemic of SARS-CoV-2 infection has made more evident how dynamic science is and how it is constantly challenged to respond to the needs of modern society. In addition, it was also able to reveal how much the production of scientific knowledge still lacks structure, financing, partnerships, and skilled labor around the world.

It is to foster science and support researchers that the Journal of Multiprofessional Health Research begins its second year of activities, after a brief but interesting beginning in 2020. We believe that the construction of knowledge comes from capable and innovative human minds, who dare to think beyond, create hypotheses and test their ideas. We invite you all to follow with us on this journey.

Welcome to the new year and may we make the new happen!

REFERENCES

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1. Rothan HA, Byraredddy SN. The epidemiology and pathogenesis of coronavirus disease (COVID-19) outbreak. *Journal of Autoimmunity*. 2020 May 1;109:102433.
2. Dong L, Hu S, Gao J. Discovering drugs to treat coronavirus disease 2019 (COVID-19). *Drug Discov Ther* [Internet]. 2020 Feb 29 [cited 2021 Jan 12];14(1):58–60. Available from: <https://pubmed.ncbi.nlm.nih.gov/32147628/>
3. Grau-Carmona T, Morán-García V, García-de-Lorenzo A, Heras-de-la-Calle G, Quesada-Bellver B, López-Martínez J, et al. Effect of an enteral diet enriched with eicosapentaenoic acid, gamma-linolenic acid and anti-oxidants on the outcome of mechanically ventilated, critically ill, septic patients. *Clinical Nutrition*. 2011 Oct;30(5):578–84.
4. Pimentel RFW, Mercês MC das, Silva DAR da, Souza MC de, Cerqueira MMB da F, Figueiredo PCM de, et al. The role of oral supplementation with immunonutrients in the inflammatory response in patients with COVID-19. *Res Soc Dev* [Internet]. 2020 Aug 14 [cited 2021 Jan 12];9(9):e126997115. Available from: <http://dx.doi.org/10.33448/rsd-v9i9.7115>
5. Thanh Le T, Andreadakis Z, Kumar A, Gómez Román R, Tollefsen S, Saville M, et al. The COVID-19 vaccine development landscape. *Nat Rev Drug Discov*. 2020 May 1;19(5):305.