Review of: "SARS-CoV-2 Virion: A Humane Debacle - An Analytical Approach"

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Potential competing interests: No potential competing interests to declare.

The manuscript aims to develop a predictive model of mortality risk for COVID-19 based on machine learning (ML) algorithms. It is important to note that the author carried out all the work of elaboration, management, and analysis of data and writing of the manuscript. The manuscript is very relevant. It presents important data for multidisciplinary areas. However, some points must be observed:

- The text needs fluidity, as some important topics are lost within the general context. For example, the author briefly discusses viral structure (one paragraph: *Viruses are nucleoproteins and non-cellular structures with infectious genetic material. Virions are capsid-encapsulated viruses with DNA or RNA molecules. The coronavirus is a cluster of related RNA (RiboNucleic Acid) viruses commonly found in birds and mammals [3]. It has both nucleic acid and protein layers.)* placing a schematic figure that does not help the lay reader, as it does not identify the structures of the virus, such as Spike proteins, for example. Then he writes briefly about machine learning (a single paragraph: *Machine Learning (ML) algorithms are commonly used as alternative methods for classification and prediction and could be utilized as a potential solution for predicting mortality during the COVID-19 pandemic globally [4].*) and then continues talking about the pandemic scenario, not bringing linearity to the text.
- Some figures are not cited in the text, confusing the connection of these figures with the text (e.g., Figure 2 and Figure 3).
- Figure 6 is completely illegible.