

We would like to thank the reviewer for his constructive comments and for helping us improve the manuscript. We have modified all the indicated points to fulfill the reviewer's suggestions.

**Reviewer Name: Anonymous**

**Review Date: 2021-03-17 11:42**

**Specific Comments To Authors:** The review paper entitled "Neuropilin-1: a feasible link between liver pathologies and COVID-19" by Benedicto et al. summarized the liver-related physiological and pathological function of NRP-1, discussed the involvement of liver NRP-1 in the SARS-CoV-2 infection, and how touched on the possible roles of NRP-1 in the SARS-CoV-2 induced liver damage. The manuscript cited a broad range of recent evidence and linked them with the known function of NRP-1. It provides interesting mechanistic insights on the link between liver pathologies with SARS-COV-2 infection. This manuscript would benefit from addressing these concerns and comments detailed below. Major comments 1) This review seemed to focus on a) NRP-1 expression is induced by pre-existing liver diseases, which promotes liver SARS-CoV-2 infection and injury; b) NRP-1 expression is induced by the cytokine storm after SAR-CoV-2 infection. NRP-1 itself is a key signaling molecule involved in the liver damage.

**It would be better to re-structure the abstract/introduction or the paragraphs to make the major points of the manuscript clearer and more cohesive.**

We have improved the abstract in order to make it more fluid emphasizing the major points of the manuscript.

**2) It would be better to expand the discussion on the upregulation of NRP-1 expression by different liver diseases.**

We have included some information to expand this section, taking into account the limited literature regarding some pathologies. If the reviewer want us to further expand the conclusion, we will do it.

**3) In the first section, the authors spent large efforts on discussing the general physiological functions of NRP-1 in the liver, which somehow diluted the focus of this manuscript on its role in COVID-19.**

We have eliminated a big part of this section to avoid the reader losing in additional information and literature.

**4) In many cases, COVID-19, the disease with SARS-CoV-2 infection, is miss-used. For example, "COVID-19 infection" should be "SARS-CoV-2 infection". It should be checked and corrected throughout the manuscript.**

We have changed the terms according to their proper use in each situation.

**Minor comments 1) Page 7, HIF-1alpha or HIR-2alpha? 2) These sentences should be re-written**  
• Page 5, "Although in the latter NRP-1..." • Page 14, "However, they suggested that this increase..." • Page 16, "Regarding NRP-1 expression, VEGF..." • Page 17, "The recently linked with..."

We have corrected all the proposed sentences.

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision