

Answers to reviewers comment:

Thanks to reviewer for the comments.

1. The data of Figure 6 is now statistically validated and represented as p-value in the graph, added in material and methods section and also in the legends of Figure 6. *(Highlighted in yellow in the revised manuscript)*

2. The references in the manuscript are till 2018. There are references in 2019 related to HDACs and their toxicity studies but these are not relevant in the context of the manuscript. Therefore, they have not been cited in the present manuscript. We have included the relevant study carried out by **Mutze et al.** We would like to make a note that we have discovered recent work on HDAC inhibitors in context to our study and the same have been referred in the references. *(Highlighted in yellow in the revised manuscript)*

We are thankful to the editors for their suggestions to improve our manuscript. We have now incorporated the following changes in the uploaded files.

1. The title of the paper has been changed to meet the 12 word limit criteria.
2. A suitable running title has been added.
3. The author names and affiliations have been edited.
4. The required documents viz, fulfilled ARRIVE guideline documents and grant application forms have been uploaded.
5. The Institute Ethics Committee granted the waiver of consent for human samples as the study was retrospective (Documents are provided).
6. Power-point presentations containing all the figures in decomposable form have been provided under 'image file'. They can be ungrouped, if required. All editable figures and tables have been shifted from main manuscript file to a new power-point presentation labeled as Manuscript 52041 power point figures WJG. The individual power-point figures have figure legends as well as abbreviations. The main manuscript only contains legends for figures, supplementary figures and tables.
7. The manuscript has been submitted as a basic study (clinical and translational research). Thus, the Prisma checklist is not applicable to our study.