

## Peer Review File

**Article information:** <http://dx.doi.org/10.21037/tp-20-281>.

### Reviewer Comments:

Comment 1: Avoid using words such as we, he, she, them, their, etc.

Reply 1: Thank you for your advice. We have modified our text as advised.

Comment 2: Language is good, but, proof reading by a native speak would avoid the minor errors.

Reply 2: Thank you for your advice. The BioMed Proofreading LLC edited this manuscript.

Comment 3: Please concrete the keywords and make it formally and academically.

Reply 3: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 4, line 55-56.

Comment 4: About the Introduction section to make the reading more clear and smooth it should be organized according to the following items: i) present state of the art; ii) literature review; iii) motivation and objective of the study proposed; iv) innovative contribution in terms of methodology developed.

Reply 4: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 5-6, line 58-87.

Comment 5: Authors are suggested to read the following articles and cite them in the appropriate places. Introduction must be revised to enhance readability i.e. I would also like to see following references in the revised version

<https://doi.org/10.1016/j.scitotenv.2020.140561>

<https://doi.org/10.1016/j.procbio.2020.08.016>

Reply 5: Thank you for your advice. We have modified our text as advised. The serial numbers of these two references are 1 and 4.

Change in the text: Page 5, line 59, 65.

Comment 6: Typographical errors are present throughout the manuscript. Authors are required to pay keen attention to this

Reply 6: Thank you for your advice. We have modified our text as advised. The BioMed Proofreading LLC edited this manuscript and we checked the manuscript again carefully and revised typos.

Comment 7: In the materials and methods, divide them into nice sub-sections. Provide the details of all the equipment's, instruments used, their model number, company of manufacture, country, etc.

Reply 7: Thank you for your advice. We have modified our text as advised (see Page 9, line 163).

Comment 8: In the introduction section, write the novelty of the work and the problem statement clearly.

Reply 8: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 6, line 82-87.

Comment 9: 70% of the references should be from 2017, 2018 and 2019. Kindly do a careful literature review.

Reply 9: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 22-27, line 428-542.

Comment 10: The results and discussion section is ONLY to write your results and facilitate scientific / technical discussions. Provide mechanism based reactions and refer to important/recent literatures in the results and discussions

Reply 10: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 15, line 290-291, 294-297; Page 16, line 299-305; Page 18, line 352-363).

Comment 11: Conclusions (<100 words) should be in line with the specific objectives of your work. Do not repeat the results and the methodology here

Reply 11: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 20, line 289-395.

Comment 12: Delete unwanted old references. Refer to references from the years 2017, 2018 and 2019.

Reply 12: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 22-27, line 428-542.

Comment 13: Figures number must rearrange in this manuscript.

Reply 13: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 12, line 213, 218, 221, 226; Page 13, line 241, 249; Page 14, line 257, 259; Page 15, line 275, 284.

Comment 14: Authors must compare more results with previous publications mainly in characterization parts (Results and discussion)

Reply 14: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 15, line 290-291, 294-297; Page 16, line 299-305; Page 18, line 352-363).

Comment 15: Only few previous publications in discussions. Why not authors compare the current results with previous publications.

Reply 15: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 15, line 290-291, 294-297; Page 16, line 299-305; Page 18, line 352-363).

Comment 16: Authors are required to re-write the conclusion.

Reply 16: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 20, line 289-395.

Comment 17: Authors must check the manuscript carefully before submit to journal. Because still manuscript having grammar mistake and some words joined with some other words.

Reply 17: Thank you for your advice. We have modified our text as advised. The BioMed Proofreading LLC edited this manuscript and we checked the manuscript again carefully and revised typos.

Comment 18: Authors must show good results in abstract section to enhance the readers.

Reply 18: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 3, line 44-48, Page 4, line 51-53.

Comment 19: Please avoid reference overkill/run-on - do not use more than 3 references per sentence. If you need to use more, make sure you state the key relevant idea of each reference.

Reply 19: Thank you for your advice. We have modified our text as advised.

Comment 20: Many sentences could be seen with our enough evidences or justifications - you appropriate references to justify your arguments.

Reply 20: Thank you for your advice. We have modified our text as advised.

Comment 21: English language throughout the manuscript. Please ensure to have a proof reading to your manuscript.

Reply 21: Thank you for your advice. We have modified our text as advised. The

BioMed Proofreading LLC edited this manuscript and we checked the manuscript again carefully and revised typos.

Comment 22: Similarity index shall not exceed 15% with no more than 1% from any source.

Reply 22: Thank you for your advice. According to the report provided by Shengjing Hospital Library, similarity index of this article is 14% with no more than 1% from any source.

Comment 23: Citation of references with latest publications on the topic. Please also cite some relevant papers from Good Journals

Reply 23: Thank you for your advice. We have modified our text as advised.

Change in the text: Page 22-27, line 428-542.

Comment 24: Manuscript shall have an adequate number of Figures and Tables.

Reply 24: Thank you for your advice. We have modified our text as advised. Manuscript have 6 Figures and 2 Tables. We added Table 2 to the manuscript.

Change in the text: Page 10, line 180, 183; Page 12, line 216, 217, 222, 225; Page 15, line 279.

Comment 25: Figures must be in high quality format. Please ensure also to submit a high quality Graphical Abstract representing a summary of your study.

Reply 25: Thank you for your advice. Figures in this manuscript are in high quality format, made according to the specification of Translational Pediatrics (image size: 1800 px minimum, resolution: 600 dpi, file types: TIFF, file size: less than 10 MB). We also submit a high quality Graphical Abstract representing a summary of our study.