Correction/Revision as per comments and suggestions by reviewer(s).

|  |  |  |
| --- | --- | --- |
|  | **Comments/ Suggestions** | **Revision/ Feedback** |
| 1. | Clearly state the research objective and originality, as it's currently unclear | The objectives of the project were rephrased and described properly in the 1. Introduction.  Thank you for the comments. |
| 2. | Explain the analysis/evaluations used to determine pass or fail for Fig. 1. | The static finite element analysis was performed on the model to predict the product’s performance before 3D printing fabrication. Resulting of stress, displacement and safety factor were measured in the analysis. The explanation was described in the 2. Methods.  Thank you for the quiries. |
| 3. | Improve the quality of your sketches in Fig. 2. | The sketch and drawing of Figure 2 was updated, accordingly.  Thank you for the comments. |
| 4. | Ensure that the photos in Fig. 3 align with the caption. | The caption for Fig 3 was updated accordingly. We are very sorry for the mistake before. |
| 5. | Consider factors beyond cost and weight when selecting a 20% infill. Explore parameters like stress, displacement, etc | Additional factors were included in the explanation. Please see sec. 2.5. Fabrication of the Assistive Device |
| 6. | Provide a clearer explanation of simulation boundary conditions. | More explanation about the simulation/finite element analysis were included in 2.4. Finite Element Analysis and Figure 6.  Thank you for the comments. |
| 7. | While field or actual tests are valuable, focus on presenting quantitative results that demonstrate your prototype's quality | This project focuses on the development of the product. The limitations of this study include the comprehensive testing of the patient. At this stage, minimum testing was conducted in consultation with the patient. The limitation of the study was included in the manuscript.  Thank you for the suggestion, the findings will be included in the next manuscript. |
| 8. | Consider testing your prototype using industry standards. | Thank you for the suggestion. However, no such testing was conducted in this study/manuscript, thus becoming the limitation of this study.  Thank you for the suggestion. We will consider in our next publication. |
| 9. | Aim for a more concise and clear abstract by reducing its length. | Abstract was updated accordingly. |
| 10. | Include quantitative results in the abstract. | Abstract was updated accordingly. |
| 11. | The novelty and superiority of this investigation should be stated clearly at the end of the literature surveys. The authors should highlight the gap and significance of the study before you write the objective of the study. | The Introduction was updated as per suggestion. |
| 12. | Figure 1 and Figure 2 are unclear | Figures were updated accordingly. |
| 13. | Add the boundary condition and parameter setting of the FEA. | Details of the finite element anaysis were updated in 2.4. Finite Element Analysis. |
| 14. | Add the quantitative analysis of the functionality testing. | This project focuses on the development of the product. The limitations of this study include the comprehensive testing of the patient. At this stage, minimum testing was conducted in consultation with the patient. The limitation of the study was included in the manuscript.  Thank you for the suggestion, the findings will be included in the next manuscript. |