

Reviewer #1:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: Long-term dentition defects also lead to compensatory ptosis of the mouth, deepening of the depth of wrinkles, and other marked changes in appearance. Currently, orthodontic treatment is the mainstay treatment used for dental defects. Through such treatment, the oral function and aesthetics of patients can be effectively improved. However, there is a gap between the conventional prosthesis and the body, resulting in a decrease in the stability of the prosthesis and consequently impacting the recovery of the occlusal relationship of the body. This study analyzed the efficacy of orthodontic treatment combined with 3D-printed implant restoration in the treatment of invalids with dentition defects and the effect on masticatory and language functions to provide scientific evidence for clinical application. The results of the study are very interesting and well discussed. After a minor editing, the reviewer recommends to accept the manuscript.

Response: The article has been edited.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: In this interesting study, the authors investigated the influence of orthodontic treatment combined with 3D printed implant restoration on masticatory and language functions in patients with dentition defects. The study designed is good, and well display. Minor comments: 1. The manuscript requires a minor editing. 2. A short background should be added to the abstract. 3. Tables should be moved to the end of the manuscript. 4. References should be edited.

Response:

1. The manuscript has been re-edited.
2. A short background has been added to the abstract.
3. The table has been moved to the end of the manuscript.
4. The references have been edited to conform to journal requirements.

Authors are requested to send their revised manuscript to a professional English language editing company or a native English-speaking expert to polish the manuscript further. When the authors submit the subsequent polished manuscript to us, they must provide a new language certificate along with the manuscript.

Response: The manuscript has been sent to professional company for English touch-ups

Science editor:

This manuscript investigated the influence of orthodontic treatment combined with 3D printed implant restoration on masticatory and language functions in patients with dentition defects. The article is well organized and could provide scientific evidence for clinical application. However, some revise is needed. Please add background information in abstract part. Add more reference if possible and try to discuss them in the discussion part. Try to point out which is the new information this article may provide.

Language Quality: Grade B (Minor language polishing)

Scientific Quality: Grade C (Good)

Response: We have added background information in the abstract section. Also, references have been added in the Discussion section, and the cited references are discussed in the Discussion section. Added a discussion of the application of this study.

(2) Company editor-in-chief:

I have reviewed the Peer-Review Report, the full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Clinical Cases, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. The title of the manuscript is too long and must be shortened to meet the requirement of the journal (Title: The title should be no more than 18 words). Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor. In order to respect and protect the author's intellectual property rights and prevent others from misappropriating figures without the author's authorization or abusing figures without indicating the source, we will indicate the author's copyright for figures originally generated by the author, and if the author has used a figure published elsewhere or that is copyrighted, the author needs to be authorized by the previous publisher or the copyright holder and/or indicate the reference source and copyrights. Please check and confirm whether the figures are original (i.e. generated de novo by the author(s) for this paper). If the picture is 'original', the author needs to add the following copyright information to the bottom right-hand side of the picture in PowerPoint (PPT): Copyright ©The Author(s) 2022. Authors are required to provide standard three-line tables, that is, only the top line, bottom line, and column line are displayed, while other table lines are hidden. The contents of each cell in the table should conform to the editing specifications, and the lines of each row or column of

the table should be aligned. Do not use carriage returns or spaces to replace lines or vertical lines and do not segment cell content.

Response:

1. We have shortened the title .
2. The figures and tables in the manuscript have been reorganized into a PowerPoint file.
3. The tables in the manuscript are all conforming three-line tables.