

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 75721

Title: Orthodontic treatment combined with 3D printing guide plate implant restoration for the treatment of edentulism and its impact on mastication and phonic function

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06143780

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: China

Manuscript submission date: 2022-02-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-28 00:00

Reviewer performed review: 2022-03-11 08:35

Review time: 11 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
-------------------------------------	---

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.

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 75721

Title: Orthodontic treatment combined with 3D printing guide plate implant restoration for the treatment of edentulism and its impact on mastication and phonic function

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06143754

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2022-02-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-28 00:00

Reviewer performed review: 2022-03-11 08:38

Review time: 11 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
-------------------------------------	---

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.