

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 76443

Title: Endodontic Management of a Fused Left Maxillary Second Molar and Two Paramolars Using Cone Beam Computed Tomography: A Case Report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06098154

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2022-03-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-21 08:29

Reviewer performed review: 2022-03-21 09:03

Review time: 1 Hour

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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input 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
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SPECIFIC COMMENTS TO AUTHORS

In the present case report, the authors describe the diagnostic and treatment of a fused second maxillary molar and two paramolars using the CBCT technology. The accurate 3D imaging of the teeth and surrounding bone allow for a precise diagnosis and treatment planning, thus providing a minimally invasive approach for adequate endodontic treatment. Endodontic treatment was performed only in the isthmus (infected region) formed at the fusion joint. Preservation of the pulp vitality of the molar and paramolars was maintained. Well done.

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Peer-review model: Single blind

Reviewer's code: 02921008

Position: Editorial Board

Academic degree: DDS

Professional title: Academic Research, Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2022-03-17

Reviewer chosen by: Jia-Qi Zhu

Reviewer accepted review: 2022-04-12 16:51

Reviewer performed review: 2022-04-14 12:46

Review time: 1 Day and 19 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
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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**Peer-reviewer
statements**

Peer-Review: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

the paper is good.

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Peer-review model: Single blind

Reviewer's code: 05428346

Position: Peer Reviewer

Academic degree: MSc

Professional title: Academic Research

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2022-03-17

Reviewer chosen by: Jia-Qi Zhu

Reviewer accepted review: 2022-04-15 10:25

Reviewer performed review: 2022-04-24 04:52

Review time: 8 Days and 18 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
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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
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SPECIFIC COMMENTS TO AUTHORS

Comments to the manuscript nu76443 General comments This case report represents an interesting clinical case of supernumerary teeth and giving good diagnostic tool for such cases. Although the case is rare, it is missing the final and appropriate solution for such problem in my opinion. As the contentious presence of the paramolars will lead eventually to endodontic treatment for the first molar and may be to the second molar due to contentious food impaction in the narrow space between Paramolars crown and first and second molar. In my opinion authors could have followed their endodontic treatment by complete resection of paramolars from the second molar especially with the confirmation of complete canals separation by The 3D digital model created.

Abstract The abstract state clearly the objectives, methodology and results of the case report. Despite that, there is one contradiction between the throbbing pain (sever strong pain)mentioned in the abstract section and pain description in the methodology section. (Pain upon biting and cold sensitivity for one month) .please use the more reliable expression throughout the whole manuscript.

Introduction Enough and sufficient as for a case report.

Methodology The case description part missing the complete and sufficient clinical examination for the case and measurement the oral hygiene level (OHIS) of the patient as well as the (DMF) of the patient representation on dental chart. Also, it missing measuring the level of pain on any pain measuring tool as Visual Analog Scale which in my opinion is very important to confirm the success of the treatment.

authors has to provide readings for the pulp viability test for the affected tooth and the control teeth comparable to it .

Results The results missed serial follow up radiographs and the measurement of the decrease the periapical lesion across time to confirm



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successful treatment. Additionally, it missing the qualitative measuring of pain reduction across time using VAS. Discussion The discussion is well written although the first section could be summarized and be more concise. The authors should mention any study limitations. References If possible, authors should replace the old references as ref. Nu 15,2,3,13 with other new and recent ones. Figures Authors need to replace all the cone cut periapical radiograph with a better one. Authors need to provide a postoperative cone beam at the day of obturation and at least another one at 18 month follow up period to detect the periapical lesion condition and confirm the excellent 3D root canal restoration