

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 79341

Title: Endodontic microscope-aided root canal treatment of the maxillary first molar with palatal canal variations: A case report and review of literature

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03604107

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Albania

Author's Country/Territory: China

Manuscript submission date: 2022-08-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-16 12:48

Reviewer performed review: 2022-08-19 14:53

Review time: 3 Days and 2 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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

It is a very good paper and the language is fine, I have nevertheless some formal suggestions: --- top long for a case report; too many references. In that case, please add to the actual title "....and a review of literature". This will increase the value of the paper
--- too many sections / subheadings, that are not conform with general norms for writing a case report. Please regroup as : "Introduction - Case description - Discussion - Conclusion"

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05755592

Position: Editorial Board

Academic degree: FCPS, MBBS

Professional title: Assistant Professor

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: China

Manuscript submission date: 2022-08-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-20 18:30

Reviewer performed review: 2022-08-23 09:40

Review time: 2 Days and 15 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" 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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SPECIFIC COMMENTS TO AUTHORS

Details comments shared with editor.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05234412

Position: Peer Reviewer

Academic degree: MDS

Professional title: Assistant Professor, Senior Lecturer

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2022-08-16

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-08-24 04:54

Reviewer performed review: 2022-08-24 04:58

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 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: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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SPECIFIC COMMENTS TO AUTHORS

Language could be better

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Peer-review model: Single blind

Reviewer's code: 05989344

Position: Peer Reviewer

Academic degree: DDS, MD, MSc, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Armenia

Author's Country/Territory: China

Manuscript submission date: 2022-08-16

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-08-24 03:14

Reviewer performed review: 2022-08-24 10:41

Review time: 7 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
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

SPECIFIC COMMENTS TO AUTHORS

A review report of the manuscript titled “Endodontic microscope-aided root canal treatment of the maxillary first molar with palatal canal variations: a case report”. In this case report authors aimed to demonstrate the presence of two separate root canals in a palatal root of the maxillary first molar. They concluded that root canal variations can be effectively identified and treated with endodontic microscope and CBCT assistance. Here are my concerns, questions and recommendations: 1. From the images (Figure 1F, Figure 2A etc) I identified the existence of MB2, however authors mentioned that it was not exist. 2. Which kind of filling materials (siller) was used with the gutta-percha for obturation of root canals? 3. Please mention the magnification mode of the microscope which was used to detect and treat the canals. 4. Line 191-191: Two separate root canals were detected in a single palatal root, which indicated a type IV morphology. Is it Vertucci classification? 5. Authors should discuss which is the most common root canal system observe for maxillary molars. 6. I recommend the following article for Discussion: Shetty, H., Shetty, S., Kakade, A. et al. Three-dimensional semi-automated volumetric assessment of the pulp space of teeth following regenerative dental procedures. Sci Rep 11, 21914 (2021). <https://doi.org/10.1038/s41598-021-01489-8>

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Peer-review model: Single blind

Reviewer's code: 05234011

Position: Editorial Board

Academic degree: MDS

Professional title: Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2022-08-16

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-08-25 05:18

Reviewer performed review: 2022-08-27 05:21

Review time: 2 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

The manuscript can be accepted in the current format with minor language polishing