



## 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

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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<b>Peer-reviewer statements</b>	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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**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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
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### **SPECIFIC COMMENTS TO AUTHORS**

Details comments shared with editor.



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**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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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### **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 we 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 he 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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
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### **SPECIFIC COMMENTS TO AUTHORS**

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