

Review Form 1.7

Journal Name:	Asian Journal of Dental Sciences
Manuscript Number:	Ms_AJDS_115708
Title of the Manuscript:	Long-term follow-up of endodontic microsurgical combined with orthograde retreatment of Oehler's Type III Dens Invaginatus: a case report
Type of the Article	Case report

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, the manuscript is important for the scientific community as it presents a detailed case report on the successful long-term management of an unusual case of dens invaginatus in a 48-year-old female patient. The report describes the challenges associated with Oehler's Type III dens invaginatus and the effective use of a combination of nonsurgical and microsurgical endodontic retreatment to achieve periapical healing and tissue regeneration over a 3-year period. The document also emphasizes the significance of cone beam computed tomography (CBCT) in accurately diagnosing and assessing the extent of periapical lesions and the intricate morphologic changes in dens invaginatus. Additionally, the manuscript discusses the therapeutic interventions, including orthograde retreatment and microsurgical procedures, and highlights the role of materials such as calcium hydroxide paste and Mineral Trioxide Aggregate (MTA) in promoting healing and tissue regeneration in the context of endodontic treatment for dens invaginatus. Overall, the manuscript provides valuable insights into the effective management of dens invaginatus and contributes to the existing knowledge on the successful treatment strategies for this challenging dental anomaly.</p> <p>2. The title of the article, "Long-term follow-up of endodontic microsurgical combined with orthograde retreatment of Oehler's Type III Dens Invaginatus: a case report," is suitable as it accurately reflects the content of the document. It effectively communicates the focus on the long-term management of a specific case of dens invaginatus using a combination of endodontic microsurgery and orthograde retreatment. The title provides a clear indication of the key elements of the case report, making it appropriate for the content presented.</p> <p>3. Yes, the abstract of the article is comprehensive. It provides a succinct overview of the case report, including the management of an unusual case of dens invaginatus in a 48-year-old female patient. The abstract outlines the use of a combination of endodontic microsurgery and orthograde retreatment for Oehler's Type III dens invaginatus, and it highlights the successful long-term follow-up and outcomes, such as the satisfactory healing of the periapical lesion. Additionally, the abstract references relevant literature, indicating the context and significance of the case report within the existing body of research on dens invaginatus. Overall, the abstract effectively summarizes the key aspects of the case report, making it comprehensive for readers seeking an overview of the study.</p> <p>4. The subsections and structure of the manuscript appear to be appropriate. The document includes sections such as "Introduction," "Case Description," "Therapeutic Interventions," "Follow-up and Outcomes," and "Discussion," which are commonly found in case reports and research articles. These sections provide a clear and logical organization of the content, allowing for a comprehensive presentation of the case study, the treatment approach, and the long-term outcomes. Additionally, the inclusion of figures and references further enhances the structure of the manuscript, providing visual aids and supporting evidence for the case report. Overall, the subsections and structure of the manuscript effectively convey the information related to the management of the unusual case of dens invaginatus, contributing to the clarity and coherence of the document.</p> <p>5. Based on the information provided, the manuscript appears to be scientifically correct. The case report describes the successful long-term management of an unusual case of dens invaginatus in a 48-year-old female patient using a combination of nonsurgical and microsurgical endodontic retreatment. The therapeutic interventions, including orthograde retreatment and microsurgery, are consistent with established endodontic practices for addressing complex cases such as Oehler's Type III dens invaginatus. Additionally, the use of materials such as calcium hydroxide paste and Mineral Trioxide Aggregate (MTA) aligns with existing literature on endodontic treatment for similar cases. The manuscript also</p>	

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	<p>references relevant studies and case reports, indicating a thorough review of the existing literature to support the findings. Therefore, based on the information available, the manuscript appears to be scientifically correct in its approach and conclusions.</p> <p>6. The references provided in the document appear to be relevant to the topic of endodontic treatment, dens invaginatus, and related materials and techniques. They include studies on sealing ability of dental materials, cone beam computed tomography (CBCT) in endodontics, and management of dens invaginatus. However, it is important to ensure that the references are recent and encompass the latest developments in the field. While the existing references provide valuable information, it may be beneficial to include more recent studies or reviews that specifically address the long-term outcomes of microsurgical retrograde with orthograde retreatment for dens invaginatus. This could further strengthen the evidence base and provide a comprehensive overview of the current state of knowledge in this area. Therefore, additional recent references focusing on long-term outcomes and advancements in endodontic treatment for dens invaginatus could enhance the comprehensiveness of the document.</p> <p>suggestions/comments:</p> <p>Based on the extracted parts of the document, it appears to be a case report detailing the successful long-term management of an unusual case of dens invaginatus in a 48-year-old female patient. The treatment involved a combination of orthograde retreatment and endodontic microsurgery, with the use of cone beam computed tomography (CBCT) for diagnosis and treatment planning. The therapeutic interventions included apicoectomy, retrograde cavity preparation, and retrograde filling with Mineral Trioxide Aggregate (MTA). The patient showed satisfactory healing of the periapical lesion during the follow-up period, indicating the success of the combined treatment approach. The references provided in the document include studies on cone beam computed tomography (CBCT) in endodontics, sealing ability of dental materials, and management of dens invaginatus. However, it may be beneficial to include more recent studies or reviews specifically addressing the long-term outcomes of microsurgical retrograde with orthograde retreatment for dens invaginatus to enhance the comprehensiveness of the document.</p> <p>Overall, the document provides valuable insights into the successful management of dens invaginatus and contributes to the existing knowledge on effective treatment strategies for this challenging dental anomaly.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Based on the extracted content, the language and English quality of the article appear to be suitable for scholarly communications. The document includes technical terminology related to endodontic procedures, radiographic imaging, and dental materials, which is appropriate for a scholarly context. Additionally, the references cited in the document are from reputable dental journals and publications, indicating a scholarly approach to the topic. The use of specific terminology and references to relevant literature suggests that the language and English quality of the article align with scholarly communication standards in the field of endodontics.</p>	
<p>Optional/General comments</p>		

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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