

## REVIEWER'S REPORT

Manuscript No.: IJAR-53449

Date: 21-08-2025

**Title:** Esthetic zone at risk: Successful endodontic management of internal root resorption in central incisor - A challenging endodontic case report

### Recommendation:

**Accept as it is .....YES.....**

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity			✓	
Significance		✓		

Reviewer Name: Dr Aamina

### Reviewer's Comment for Publication.

### General Assessment:

The manuscript presents a clinically significant and well-documented case report on internal root resorption (IRR) in the esthetic zone. The focus on a maxillary central incisor highlights both the functional and esthetic challenges inherent in such cases. By emphasizing early diagnosis and management strategies, the report underlines the importance of timely intervention in preserving natural dentition.

### Abstract:

The abstract concisely defines IRR as a rare, progressive condition linked to clastic cell activity and outlines the clinical case involving the maxillary right central incisor. It specifies diagnostic reliance on radiographic imaging and highlights the nonsurgical root canal treatment approach. The summary effectively captures the essence of the report by focusing on diagnosis, management, and clinical outcome. The keywords provided—internal root resorption, mineral trioxide aggregate, root perforation, and trauma—appropriately reflect the scope and relevance of the case.

# International Journal of Advanced Research

**Publisher's Name: Jana Publication and Research LLP**

*www.journalijar.com*

---

## **REVIEWER'S REPORT**

### **Introduction:**

The introduction offers a detailed background on IRR, outlining its pathogenesis, possible etiological factors, and clinical significance. It acknowledges the roles of infection, trauma, and orthodontic treatment as contributory elements. The discussion of predentin and odontoblast damage leading to clastic activity provides a clear biological rationale for the resorptive process. Additionally, the manuscript highlights the diagnostic challenges in differentiating IRR from external cervical resorption (ECR), noting the limitations of two-dimensional radiographic imaging. This establishes the diagnostic complexity of the case and justifies the relevance of the report.

### **Clinical Relevance:**

This case is significant as it involves the anterior maxillary region, where esthetics and function are of paramount concern. The emphasis on nonsurgical endodontic management highlights the role of conservative treatment modalities in managing IRR, thereby aligning with contemporary endodontic principles aimed at tooth preservation.

### **Contribution to Literature:**

The case adds to existing endodontic literature by demonstrating the diagnostic considerations, therapeutic approach, and clinical management of IRR in an anterior tooth. By framing the condition as both diagnostically challenging and clinically critical in the esthetic zone, the report underscores its practical significance for clinicians.

### **Overall Evaluation:**

The manuscript is well-structured and clinically relevant. It provides a clear rationale for treatment, describes the diagnostic difficulties associated with IRR, and emphasizes the importance of early detection and intervention. The focus on a central incisor makes the case particularly valuable, given the esthetic and functional demands of anterior teeth.

### **Verdict:**

The case report presents a thorough, relevant, and well-documented example of successful endodontic management of internal root resorption in a maxillary central incisor, contributing meaningfully to both clinical practice and academic literature.