

ABSTRACT

A case of periodontal tissue regeneration therapy for endodontic-periodontal disease with fused teeth of mandibular incisor.

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【Introduction】

The endodontic-periodontal lesion is caused by infection from different parts of the root canal and gingival sulcus. Generally, it is considered that the prognosis of teeth suffering from severe endodontic-periodontal disease is not good.

【Objectives】

This case report describes that periodontal tissue regeneration therapy was performed on the teeth suffering from endodontic-periodontal disease with fused teeth of mandibular incisor, and periodontal tissue was improved.

【Case & Case managements】

A 47-year-old male presented with clinical and radiographic evidence of an endodontic-periodontal lesion around the mandibular right central incisor and lateral incisor. The vertical and horizontal bone loss was observed on the radiograph and the site had 6 mm or more of periodontal pocket depth at the first visit. After the initial periodontal therapy, we prepared periodontal tissue regeneration with enamel matrix proteins at the site. After re-evaluation, the final restoration was placed and the patient entered the maintenance phase.

【Conclusion】

The periodontal attachment status was well maintained more than 2 years postoperatively. It was suggested that the periodontal tissue regeneration therapy based on appropriate diagnosis progresses well for severe tooth with endodontic-periodontal disease.