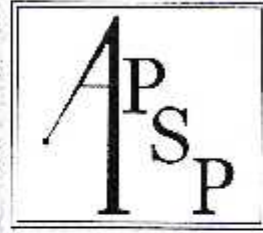


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CLASS II FURCATION INVOLVEMENT TREATMENT AT MANDIBULAR RIGHT FIRST MOLAR WITH FLAP, BONE GRAFT, AND PLATELET RICH FIBRIN (PRF): A CASE REPORT

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ABSTRACT

Introduction: Class II furcation could affect one or more of the furcations of the same tooth. The furcation lesion essentially a cul-de-sac, and this condition lead to plaque retention that may be difficult or impossible to debride by routine toothbrushing, so flap surgery is needed. In this procedure, bone grafting with Gama-Cha (Kimia Farma, Indonesia) and PRF are required to initiate regeneration of tissue and bone loss condition. Hopefully, patient could clean their teeth normally. **Objective:** Periodontal pocket elimination, regenerate losing bone structure at the furcation area. **Case:** 22 years old female patient with shallow buccal vestibule, periodontal pocket, Miller Class II gingival recession, and class II furcation involvement at right mandibular first molar. **Case Management:** In this case we have done initial therapy as in scaling and root planning, maintenance therapy, and surgical flap therapy with bone graft and PRF. **Conclusion:** One month after undergoing initial and surgery treatment with bone graft and PRF, periodontal pocket was eliminated and new bone structures were seen in periapical photo, showing good improvement of bone regeneration.

Key Words: Class II Furcation, flap, bone graft, PRF