

## **Guided Bone Regeneration Using PRF as A Membrane- A Novel Approach**

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### **Abstract**

Guided bone regeneration (GBR) is a widely used technique for bone regeneration. Platelet rich fibrin (PRF) is a second-generation platelet concentrate consisting of fibrin membrane enriched with platelets, leukocytes, growth factors, and cytokines with potential for bone and soft tissue regeneration. A 33 years old male patient reported with missing teeth in the lower right back region of the jaw since 2 years. Clinical examination showed Siebert's class II deficiency in the alveolar ridge. GBR was performed using bone graft (Bio Oss) and PRF as a membrane. Pre and Post-operative IOPAs were compared and it showed bone fill in the area where the procedure was carried. Clinically good soft tissue healing with increased tissue bulk was seen. The use of PRF as membrane permitted a rapid epithelization and represented an effective barrier membrane. Thus, this case report shows the usage and advantages of using PRF as a membrane in GBR.