

ABSTRACT

AIM:

To evaluate and compare the soft tissue healing in dental implant site augmented with PRF(Platelet Rich Fibrin) and GELATAMP (colloidal silver impregnated with gelfoam).

MATERIALS AND METHODS

The Study was performed in a series of 5 patients (10 implants) aged between 20 – 50 years with bilaterally missing mandibular molars requiring teeth replacement attending the Department of Oral and Maxillofacial Surgery. After placement of implant the sites were augmented with PRF and GELATAMP and assessment was done to compare the soft tissue healing , pain, swelling on 1st ,3rd ,and 7th post operative days. The results were recorded, based on Soft Tissue Healing Index ,Visual Analog Scale (VAS), Swelling Assessment by Tape Measurement. The ‘t’ test was used to test the significance between PRF and GELATAMP group. ‘p’ value < 0.05 was taken to denote significant difference.

RESULTS

Soft tissue healing assessment and pain score showed high statistical significance ($p < 0.005$) on GELATAMP side compare to PRF side on 1st , 3rd , and 7th postoperative day. Regarding swelling assessment, There was no statistical significant difference between 2 groups.

CONCLUSION

It was concluded that, GELATAMP augmented implant site resulted in effective soft tissue healing, reduced postoperative complications compared to PRF group. Hence GELATAMP could be augmented on a routine basis on dental implant site.

KEY WORDS

PRF, GELATAMP , Soft tissue healing,