**Comparison of Post-tooth extraction Wound healing in Patients**

**with Optimal Diabetes control and Poor Diabetes control**

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**ABSTRACT**

**Objective:** To determine frequency of wound healing in diabetic patients after tooth extraction and to compare the healing process in diabetics with optimal and poor glycemic control.

**Study Design**: Comparative Observational Cross-sectional Study

**Place and Duration:** Department of Oral and Maxillofacial Surgery, Armed Forces Institute of Dentistry(AFID) Rawalpindi from 12th February 2016 to 12th August 2016.

**Methodology:** Diabetic patients undergoing surgical tooth extraction and their non-fasting blood glucose levels and updated Glycosylated hemoglobin values were checked pre-operatively. Healing of the extraction sockets were measured on 0 and 14th day post-operatively by assessing epithelialization rate with periodontal probe from buccal to lingual gingival margins. Epithelialization up to 75% were considered as healed socket .Post stratification chi square test was applied and p value ≤ 0.05 was considered significant.

**Results**: Among total of 100 patients had extraction, 75% patients achieved wound healing within 14 days. No significant delay of wound healing was observed with poor glycemic control.

**Conclusion**: Glycemic control has no influence on post-tooth extraction healing in diabetic patients

**Keywords:** Diabetics, Glycosylated hemoglobin,Tooth extraction, Wound healing.

**How to Cite This:**

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