



SOCKET PRESERVATION FOLLOWING MAXILLARY CENTRAL INCISOR EXTRACTION UTILIZING XENOGRIFT AND PLATELET-RICH FIBRIN (PRF) – A CASE REPORT



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Introduction: Socket preservation techniques aim to minimize bone loss, maintain the architecture of the extraction site and enhance the success of future implant placement.

Aim: The main objective is to assess the effectiveness of socket preservation using a combination of xenograft and PRF and to evaluate postoperative complications, patients' satisfaction and dimensional changes in the alveolar ridge.

Material and methods: A patient with internal root resorption of the left maxillary central incisor and a fistula came to our clinic. After extraction, the socket was thoroughly debrided, and filled with sticky bone made of xenograft material and a fibrin clot rich with growth factors. It was covered by PRF membrane and sutures were set.

Results: Follow up revealed successful healing and matured gingiva with optimal color and architecture at the extraction site.

Conclusion: The combination of xenograft with PRF demonstrates significant potential in preserving alveolar bone dimensions following tooth extraction. Combining xenograft with PRF is an efficient method for socket preservation, offering promising prospects for future implant placement and enhancing esthetic outcomes.

