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Preservation of Buccal Bone and Soft Tissue Contours Using Socket Shield Technique: A Case Report


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ABSTRACT

The socket shield technique is an advanced method in dental implantology aimed at preserving alveolar ridge dimensions and enhancing esthetic outcomes following tooth extraction. This technique involves retaining the buccal portion of the root to maintain periodontal ligament attachment, preventing ridge collapse and bone resorption. By safeguarding the buccal bone plate, the method improves soft tissue stability and promotes long-term implant success, particularly in the esthetic zone. Clinical studies indicate that the socket shield technique minimizes post-extraction bone loss and enhances peri-implant tissue integration. This case report explains a case where immediate implant placement was done following extraction by utilizing socket shield technique for buccal bone preservation and soft tissue contouring.

Keywords: Socket shield technique, dental implants, alveolar ridge preservation, esthetic zone, peri-implant tissues, bone resorption prevention.

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