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Socket shield technique in Anterior Maxilla: A case report

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Abstract:

Severely compromised teeth are commonly extracted and replaced with implants. Alveolar bone resorption following extraction causes loss of bone height and width, a common sequelae that causes difficulty in implant placement. In the socket shield technique, a buccal segment of the root is kept as a shield to help keep the periodontal ligament on the buccofacial aspect in place. The implant is placed immediately lingually on this shield. This preserves the height of the alveolar ridge and the buccofacial form, offering improved aesthetics. The purpose of this case report is to present an implant-supported single crown with socket shield technique in the maxillary anterior teeth region. Leaving a partial root fragment on the buccal side in combination with immediate implant placement lingual to the retained fragment was performed. Application of the socket shield technique and immediate implant placement may be a feasible treatment option in this case with high esthetic concern.

Keywords:

Alveolar bone resorption, ridge preservation, immediate implant placement, extraction socket, socket shield technique

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