



IMPLANT SUPPORTED FRACTURED INCISOR REPLACEMENT

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INTRODUCTION:

Patients' expectations are always high and compromises with implant-supported dentures are, therefore, particularly in the presence of a high smile-line, almost impossible. Implants performed without optimal preoperative planning and treatment can result in faulty implant positioning and/or insufficient management of the surrounding soft tissues which will result in an aesthetic failure

Clinical and RTG evaluation revealed adequate alveolar bone, absence of periapical pathology but fracture line was below the crest of alveolar bone and was limited to the tooth. So, it was decided to extract and place endosseous implant immediately and place a provisional restoration to avail the benefits like preservation of bone and emergence profile.



Consequently, an optimal aesthetic Implant treatment depends not only on the prosthetic and technical procedures, but also to a great extent on the following anatomical and surgical parameters:

- SUBMUCOSAL LOCALIZATION OF THE IMPLANT SHOULDER;
- PROPER THREE- DIMENSIONAL IMPLANT POSITIONING;
- AESTHETIC SOFT TISSUE CONTOURS;
- SYMMETRY OF THE CLINICAL CROWN WITH THE CONTRALATERAL NATURAL CONTROL TOOTH.

CASE PRESENTATION:

This is a case report of a 27- year-old patient, after receiving a transmucosally placed implant in the region of fractured tooth #21.



CONCLUSION:

Respecting all parameters above and subcrestal positioning of the dental implant, as well as minimizing the tissue trauma during flapless implant insertion, ensure stability and satisfactory aesthetic results.



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