Achieving a Desired Esthetic Outcome for Implant Restoration

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Teeth replacement in the esthetic zone is a considerable challenge. Dental implants are usually a preferred treatment alternative for tooth replacement. Successful esthetic results of dental implant placement in the esthetic zone require knowledge of various concepts and techniques. The objective of this prospective study was to assess the overall outcome of early implant treatment in the anterior maxilla using ceramic abutments and provisional restorations. In this study treatments protocols were included minimal mucoperiosteal flap elevation, early implant placement (Camlog® screw-line implants), connection of a screw-retained provisional restoration placed with using the temporary abutments after palatal finger flap technique and fabrication of all-ceramic fixed partial denture with using zirconium abutment (2-part abutment) after three weeks. The implants were placed according to the two-stage surgical protocol. After healing period of three months implant level impressions were taken with additional silicone for provisional restorations. For regeneration of the papilla the screw-retained provisional restorations were used three weeks. Three weeks later another implant level impression was made for the fabrication of a definitive cemented restoration. A standard aesthetic CAMLOG® ceramic abutment (titanium base and a zirconium oxide sleeve) was used to connect the permanent ceramic restoration. Cementation was performed using resin cement. After the prosthodontic treatment, the patient was recalled at the 3rd and the 6th months. The proposed strategy that early loading protocol seems a valuable and predictable treatment option for anterior maxilla to obtain esthetic results.

Case I

Case II

Case III

Case IV

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