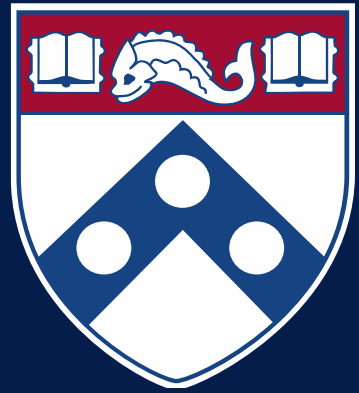




SameDay Concept: Immediate Implant and Provisionalization in the Esthetic Zone



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Introduction

Tooth loss in the anterior maxilla can lead to rapid physiologic and dimensional changes of both soft and hard tissues. Immediate implant placement and provisionalization, the SameDay Concept, has become an increasingly favoured approach in the esthetic zone as it preserves peri-implant soft-tissues by maintaining the facial contour, papilla height, gingival margin position and overall esthetic profile through site-specific implant placement.



Methods

A 37-year-old female patient presented to the clinic with a remaining root #11. Atraumatic extraction was performed followed by osteotomy preparation on the palatal wall of the alveolar socket with the PROVATA® surgical kit. A 4 x 15 mm Southern PROVATA® Co-Axis® 12° implant was then placed with 50 Ncm final seating torque. The buccal gap was grafted with 0.5 cc Puros® cortico-cancellous allograft. A temporary titanium cylinder was seated and verified radiographically. A provisional crown was selected from the 3M™ ION™ kit, luted intraorally to the temporary cylinder, removed, and polished prior to insertion. Occlusion was adjusted to avoid both centric and eccentric contacts.



Results and Conclusion

Atraumatic extraction with immediate site-specific implant placement and provisionalization achieved peri-implant soft-tissue maintenance and esthetic rehabilitation.



References

Kan JYK, Rungcharassaeng K, Lozada JL, Zimmerman G. Immediate implant placement and provisionalization of maxillary anterior single implants: a prospective study. *Int J Oral Maxillofac Implants*. 2003 Jan-Feb;18(1):31-39. PMID: 12608667.
Chen ST, Buser D. Esthetic outcomes following immediate and early implant placement in the anterior maxilla—A systematic review. *Int J Oral Maxillofac Implants*. 2014;29(Suppl):186-215. doi:10.11607/jomi.2014suppl.g3. PMID: 24660191.
Chu SJ, Salama MA, Salama H, Garber DA, Saito H, Sarnachiaro GO, Tarnow DP. The dual-zone therapeutic concept of managing immediate implant placement and provisional restoration in anterior extraction sockets. *Compend Contin Educ Dent*. 2012 Jul-Aug;33(7):524-532. PMID: 23057043.