

Simultaneous apicectomy and implant placement

PATIENT BACKGROUND

74 year old male
Non-smoker

A simultaneous apicectomy and implant placement was performed in the maxillary aesthetic zone (canine and premolar region). Following root-end resection, the apex was sealed with a small amount of mineral trioxide aggregate (MTA). The apical defect was grafted with 0.7cc of EthOss® Bone Graft (B-TCP composite). Concurrently, implant placement was carried out, and a tissue-level implant was inserted. Buccal bone was augmented using the remaining EthOss Bone Graft material. Primary closure was achieved using PTFE sutures.

The patient was reviewed over a 5-year follow-up period. The surgical site demonstrated excellent healing with stable hard and soft tissue contours. No complications or failures were observed.



 Dr Jakub Batycki

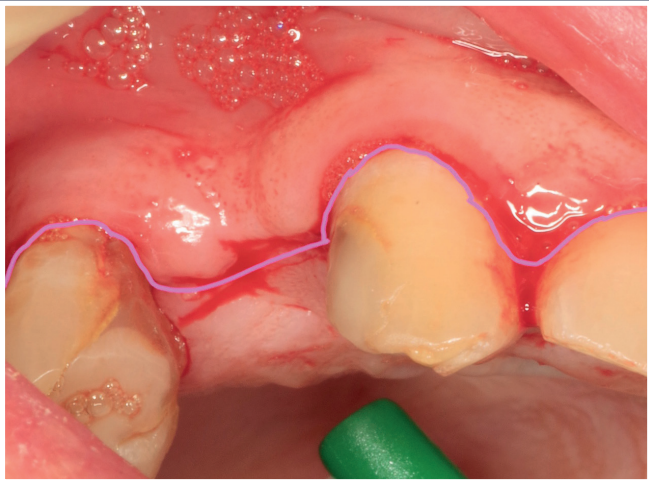


1. Pre-op site assessment CBCT

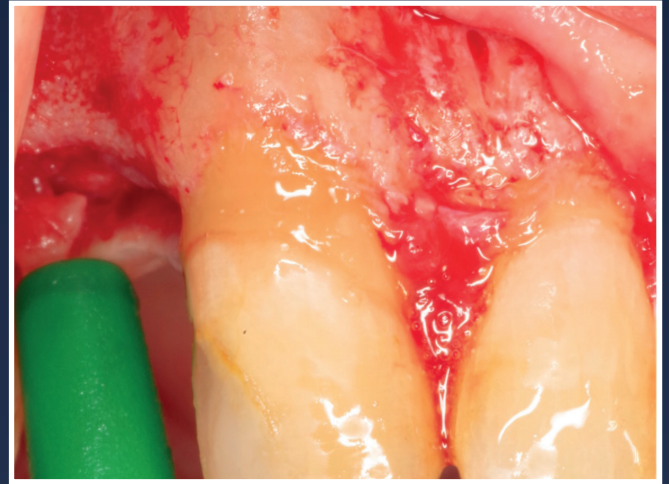


2. Pre-op clinical photography

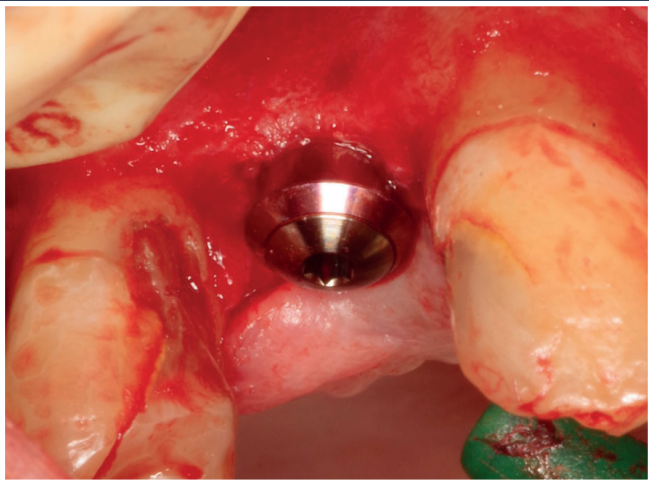
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3. Long crestal incision



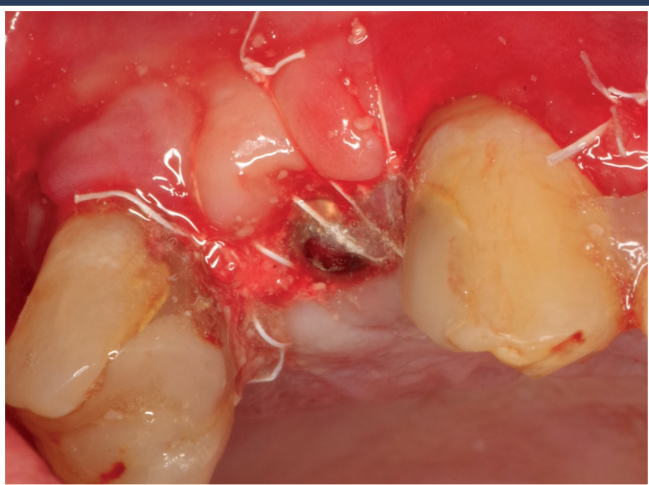
4. Apicectomy - small amount for MTA and EthOss® Bone Graft to restore defect



5. Position of tissue level implant



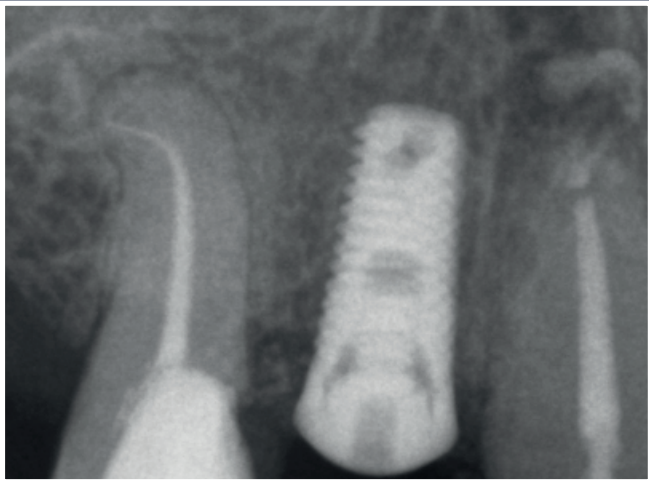
6. Buccal surface regeneration with EthOss Bone Graft



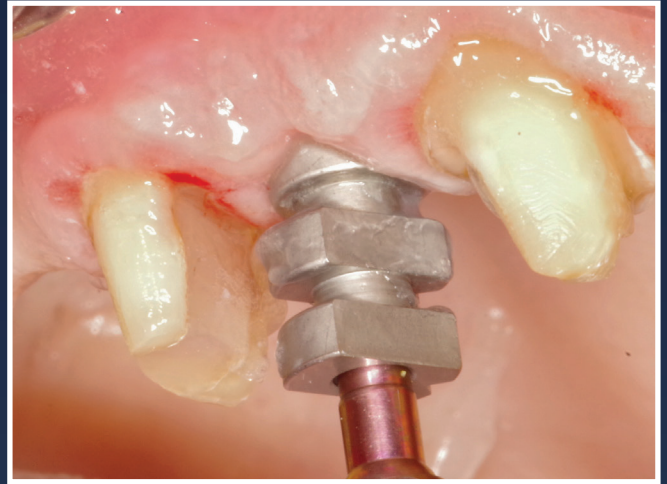
7. Sutures



8. Review - 12 weeks post-op



9. Radiograph - 12 weeks after placement



10. Impressions



11. Post-op radiograph



12. Crowns fit and restoration of implant



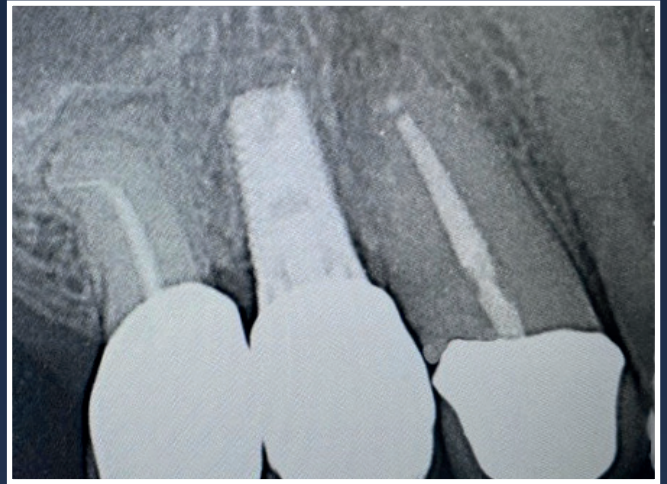
13. 14 weeks post-op - soft tissue healing



14. Review - 6 months post-op



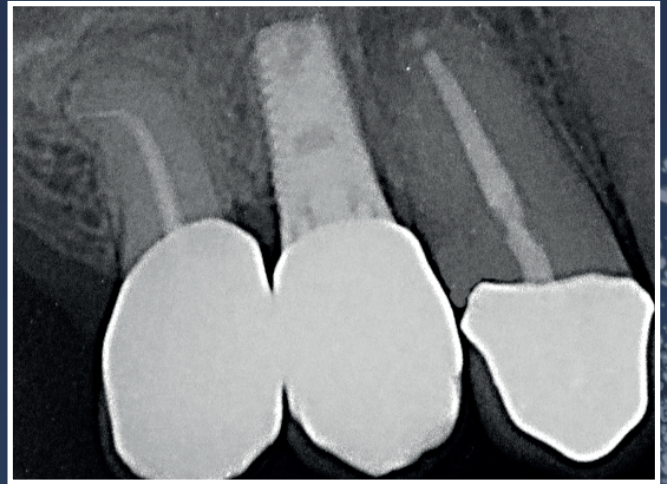
15. Review - 3 years post-op



16. Review of soft tissues - 3 years post-op



17. Radiograph - 5.5 years post-op



18. Radiograph - 5.5 years post-op