

Ridge regeneration with simultaneous implant placement

PATIENT BACKGROUND

65 year old female
Non-smoker

The referring dentist experienced difficulty extracting tooth 46, and the patient is seeking an implant in that area. Previously, the patient underwent orthodontic treatment, during which eight premolars were extracted. As a result, a first molar is currently positioned in the space formerly occupied by the premolars.

This case demonstrates single surgery management of a large buccal defect, regaining lost hard and soft tissue volume to give this case an excellent long-term outcome. The implant was restored using an early-loading protocol, with placement of the permanent crown 4 weeks after implant installation.



 Dr Ludwig Hansson



1. Pre-op situation, lack of bone and soft tissue

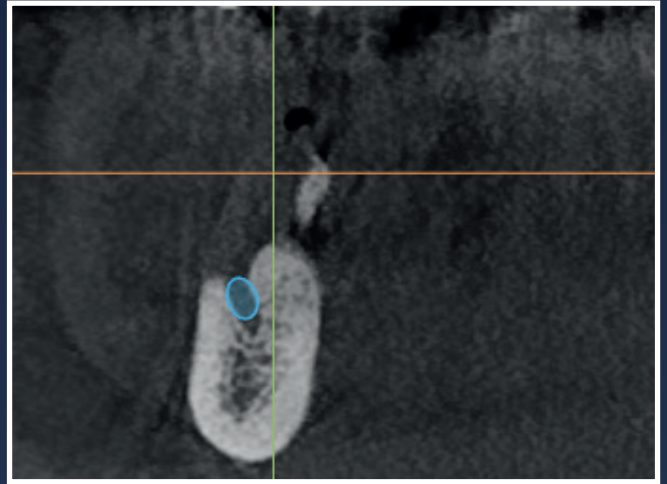


2. CBCT shows a lot of bone loss due to referral dentist damaging the site

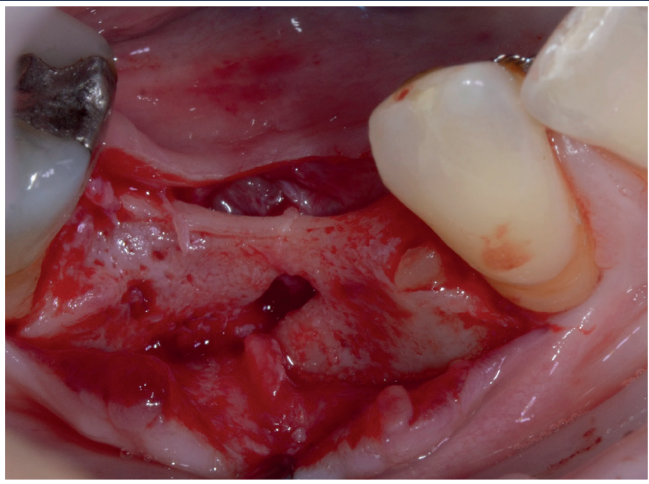
Ridge regeneration with simultaneous implant placement



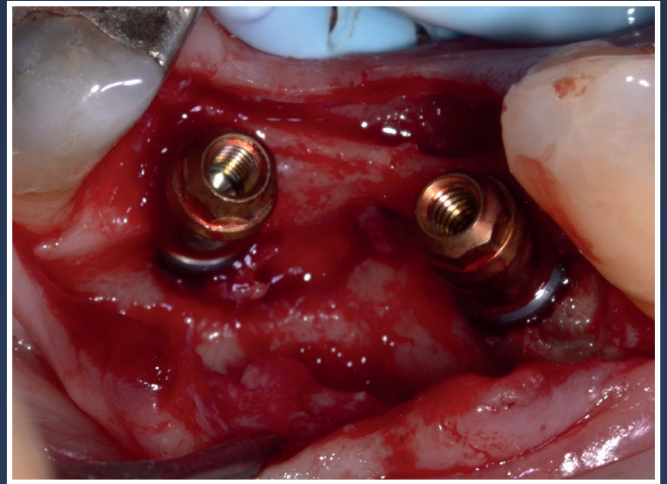
3. Pre-op radiograph



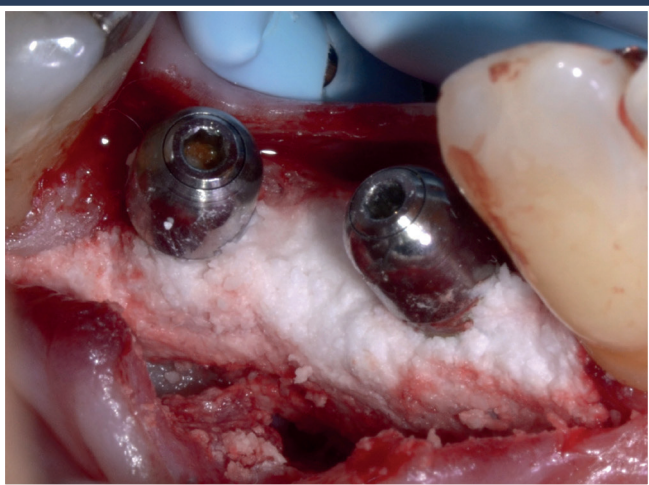
4. Very close to the mental foramen



5. Initial flap for inspection



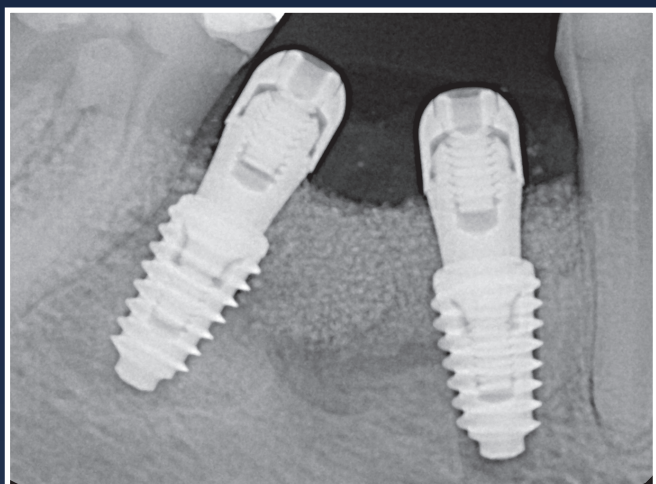
6. AnyRidge implants placed with high torque and ISQ; 3.8mm permanent Octa abutments torqued to 35 Ncm



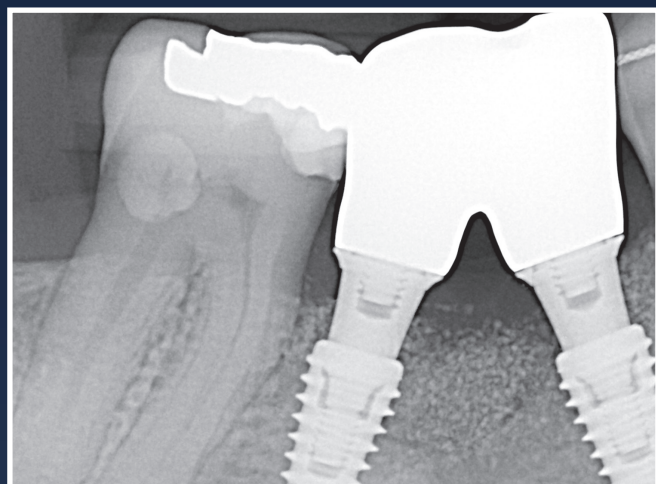
7. Healing caps and EthOss® Bone Graft in place



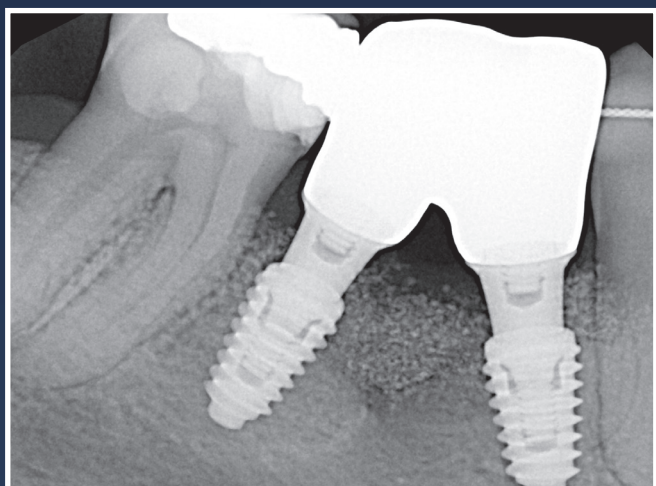
8. Ora-aid in place after surgery



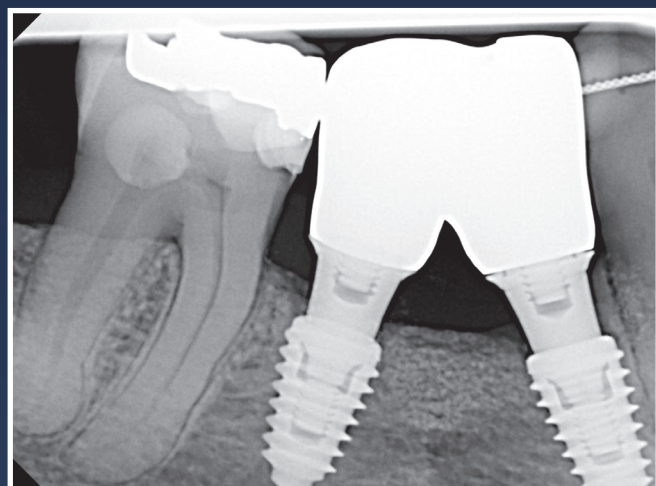
9. Radiograph - 2 weeks post-op. Suture removal



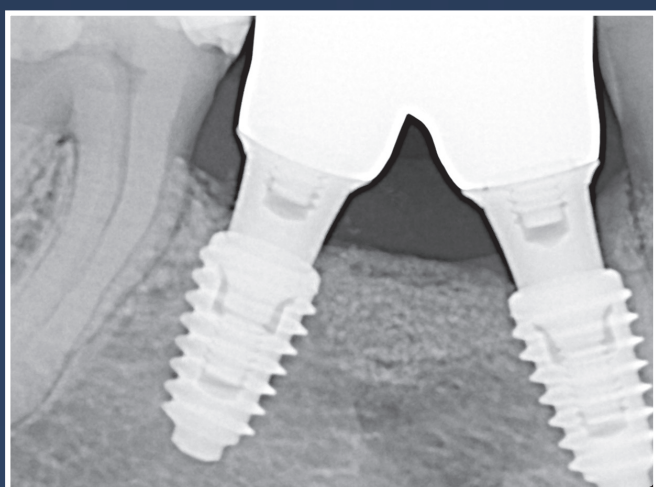
10. Radiograph - 4 weeks post-op



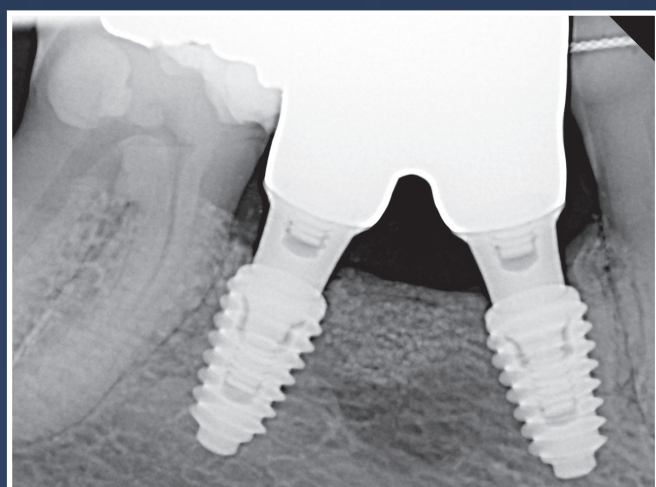
11. Radiograph - 4 weeks post-op



12. Radiograph - 2 years post-op



13. Radiograph - 3 years post-op



14. Radiograph - 4.5 years post op



15. Clinical situation - 4 years post-op



16. Clinical situation - 4 years post-op