

## Background

50 year old female patient

Non-smoker, non-contributory medical history

Fractured upper right second molar



1. Vertical fracture of the upper right second molar.



2. Fractured tooth extracted "atraumatically" under local anaesthesia.



3. Socket grafting with EthOss®.



4. Covered with hemostatic collagen sponge, no primary closure.



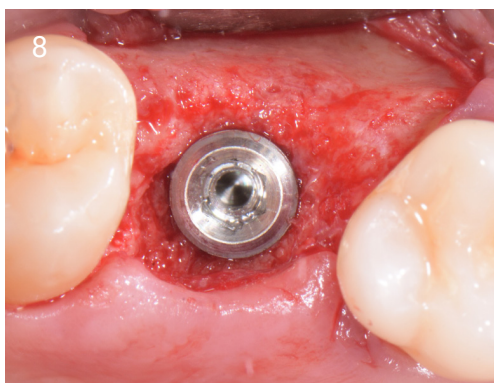
5. 12 weeks post-op.



6. Re-entry at 12 weeks.



7. Bone biopsy and preparation for implant placement.



8. Paltop Advanced implant placed.



9. Additional grafting with EthOss®.



10. Tension-free closure.



11. After 4 months.

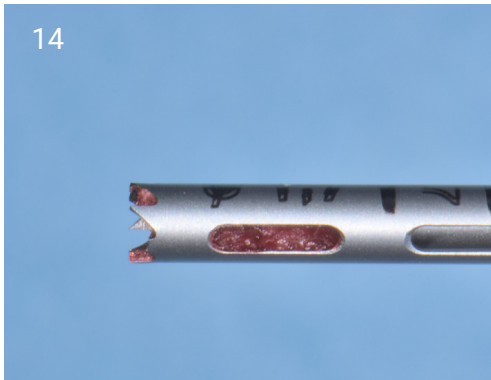
## SOCKET GRAFT CASE STUDY



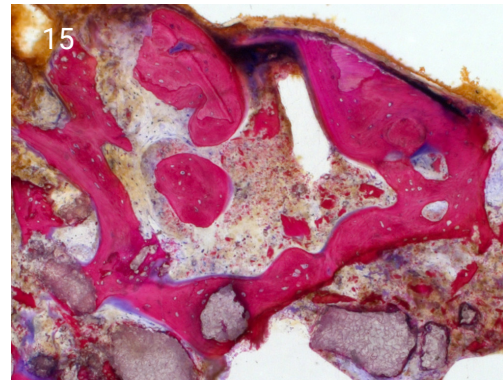
12. Penguin ISQ measurement: 74.



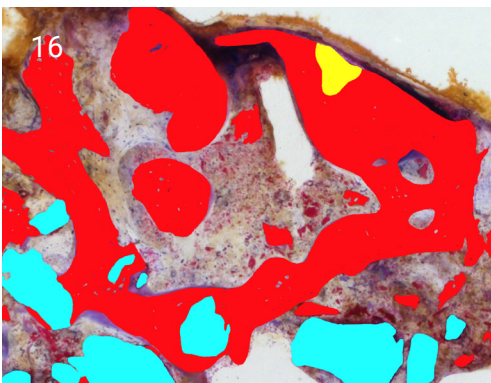
13. After fitting final screw-retained restoration. Outcome 7 months after initial socket grafting; 4 months after implant placement.



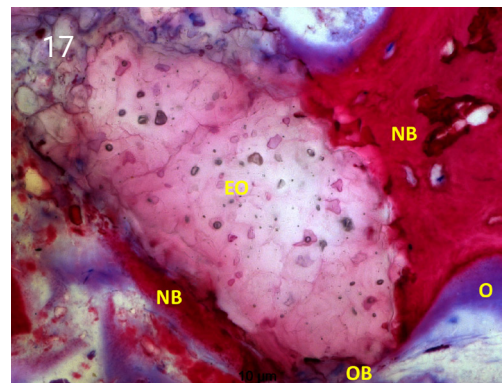
14. Bone biopsy sample.



15. Histomorphometric analysis from University of Freiburg.



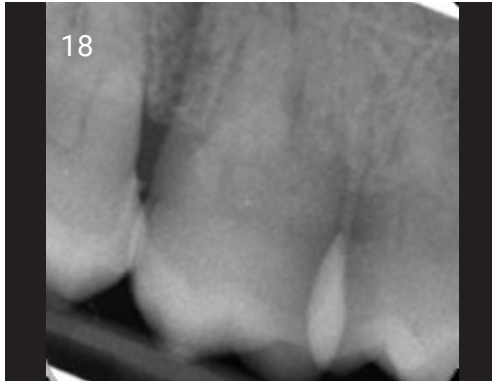
16. Newly-formed vital bone: 48.12%, residual EthOss particles: 8.11%



17. EthOss particle (EO) close up, with osteoblasts (OB), osteoid (O) formation and new bone trabeculae (NB).

A biphasic matrix for true bone regeneration.  
Built in membrane function, high graft stability.

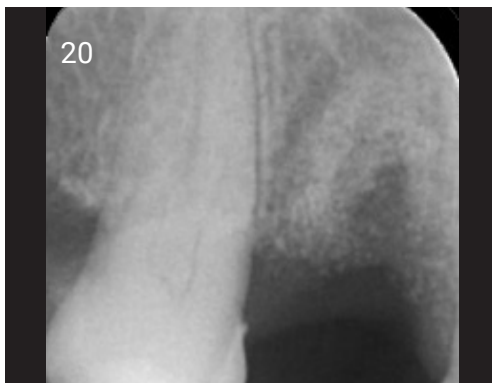
**Ethoss Regeneration Ltd**  
8 Ryefield Court, Silsden, BD20 0DL, UK  
www.ethoss.dental • info@ethoss.dental



18. Initial pa x-ray.



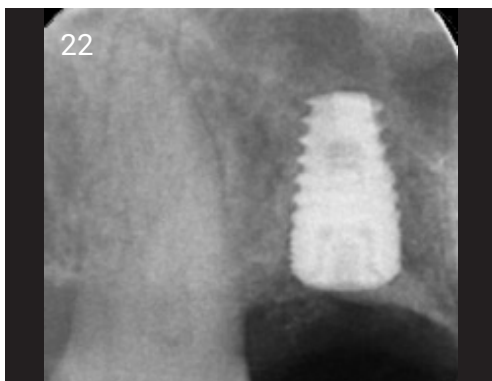
19. After extraction and socket grafting.



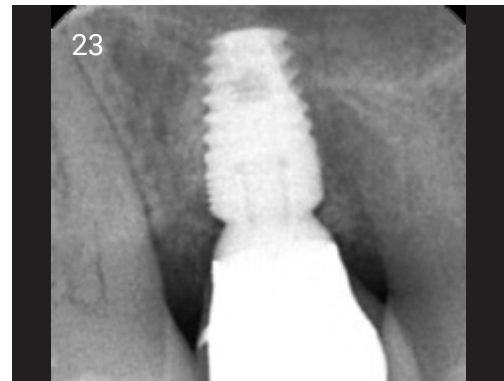
20. 4 weeks post-op.



21. 12 weeks post-op.



22. After implant placement and additional grafting.



23. After 4 months, final restoration.