

## Background

33 year old patient, male

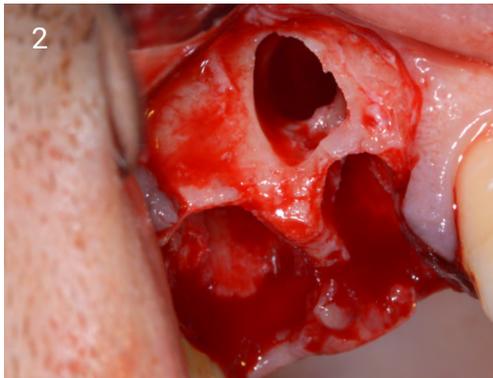
Non-smoker

Failed RCT's UR4 and UR5,  
Endodontist felt re-treatment  
would not be predictable,  
referred for implants

*Case performed by Dr Jonathan  
Cochrane, UK*



1. Flap raised on buccal aspect,  
defect clearly visible.



2. UR4 and UR5 removed whole with  
forceps and luxating elevator.  
Sockets thoroughly degranulated.



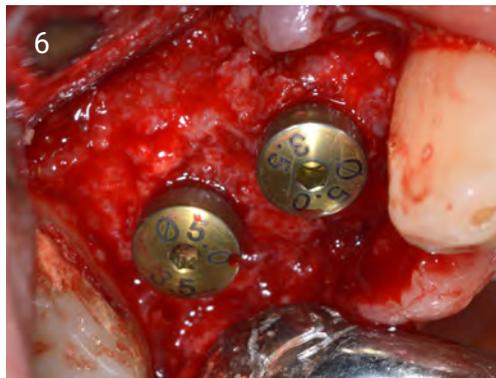
3. 1 x 0.5cc and 1 x 1cc of EthOss®  
placed into sockets. Dry gauze  
held over material for 3 minutes  
until it starts to become firm.



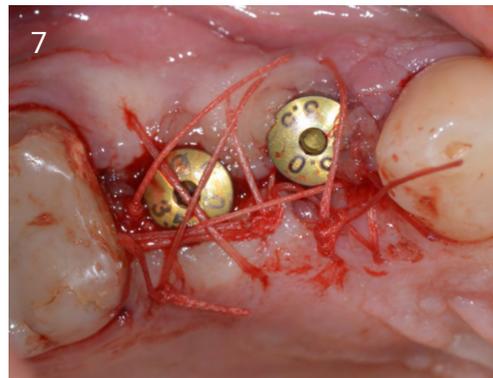
4. Sinoss collagen fleece sutured  
over each extraction socket with  
3-0 Vicryl absorbable sutures.



5. Site uncovered 10 weeks later,  
adequate new bone formation to  
allow implant placement.



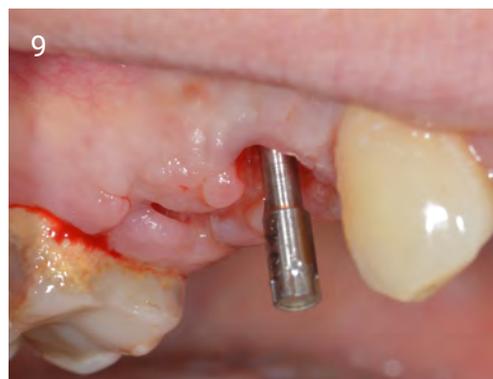
6. 2 x Astra Tech EV implants placed with healing abutments.



7. Flap closed over with Vicryl Rapide 4-0 sutures (resorbable).



8. Healed site at 10 weeks.



9. ISQ measured with Penguin RFA meter: UR4 implant = 81 and UR5 implant = 82. High stability showing good osseointegration.



10. 4 weeks later - definitive implant crowns with patient-specific "Atlantis" abutments placed.



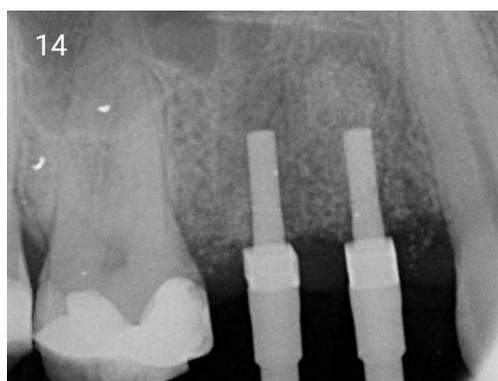
11. Final result



12. Initial situation



13. Following extraction and simultaneous grafting with EthOss®.



14. 10 weeks later, osteotomy sites prepared to 6mm depth and checked with depth gauge.



15. Implants placed.



16. Final result, implants loaded 14 weeks following placement.