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CLINICAL
CASE

Grand Morse

Neodent Grand Morse

Neodent GM Helix Acqua implant in the aesthetic zone.

Patient's Medical History

Patient is female, aged 55, and has a clear medical history.

Planning

Single Case.

Position 12 of the Maxilla (FDI System).

Conventional Loading Protocol.

With Flap Access Technique.



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Description of the procedure

1. Full Mucoperiosteal flap, denudung of the bone surface with small perforations to improve the blood supply to receive the allograft block. The block was secured with one fixation screw then carnally and apically xenograft and autogenous chips were placed. This was covered with a slow resorbing collage membrane;
2. Re-entry at 6 months for implant placement well away from the labial plate and planned for screw retained prosthesis. Transmucosal healing abutment place and sutured to also move the much-gingival line more apically;
3. Transfer impressions with an open tray technique taken 3 months later;
4. Day of fit of the screw retained implant Emax crown on a Ti-base abutment. The tissues have yet to mature.

Result description and/or conclusion

To review for mucosal tissue maturity and possible future connective tissue graft to assess if further vertical tissue augmentation could be gained. The patient is very happy and was aware from the start that the clinical crown would be longer than the contra lateral counterpart due to the original bone peaks f the adjacent teeth of the site prior to any surgical procedures.



DR. SANJAY SETHI

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Sanjay Sethi qualified from Guy's Hospital in 1993 with BDS. He is in private practice in London and has a special interest in aesthetics and implants in dentistry.

He has lectured extensively internationally. He is a full member and Past President of the British Academy of Aesthetic Dentistry, an active member of the European Academy of Esthetic Dentistry and is also a member of the ADI.

Other doctors that participated in the procedure:

DR. RICHARD O'BRIEN

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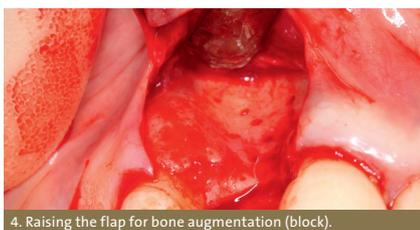
1. Initial extra oral clinical image.



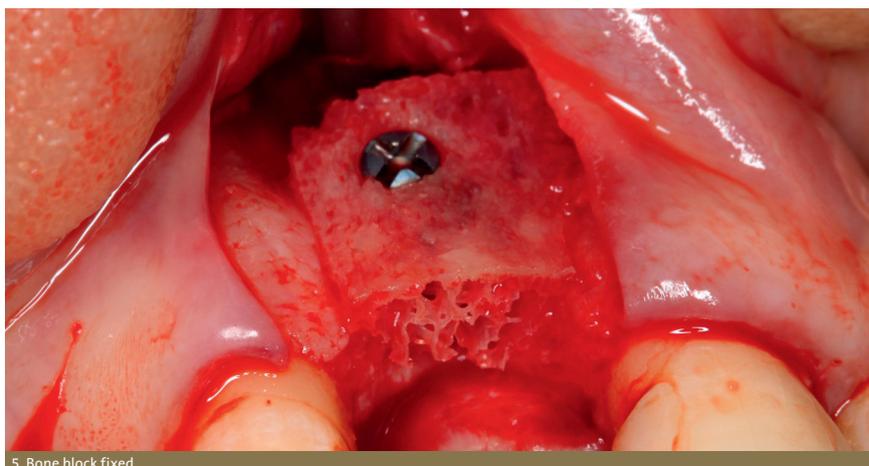
2. Initial intra oral clinical image (buccal).



3. Initial intra oral clinical image (occlusal).



4. Raising the flap for bone augmentation (block).



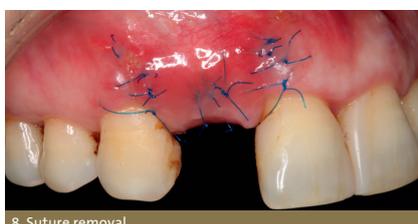
5. Bone block fixed.



6. Bone block fixed and covered with a membrane.



7. Final view of the bone grafting surgery.



8. Suture removal.



9. Six months follow up (buccal)



10. Six months follow up (occlusal).



11. Parallel pin indicating osteotomy direction.



12. Final implant position (one phase surgery with a healing abutment)



13. Periapical X ray after the surgery for implant placement.



14. Ten weeks after the implant surgery



15. Occlusal view 10 weeks after the implant surgery (without the healing abutment).

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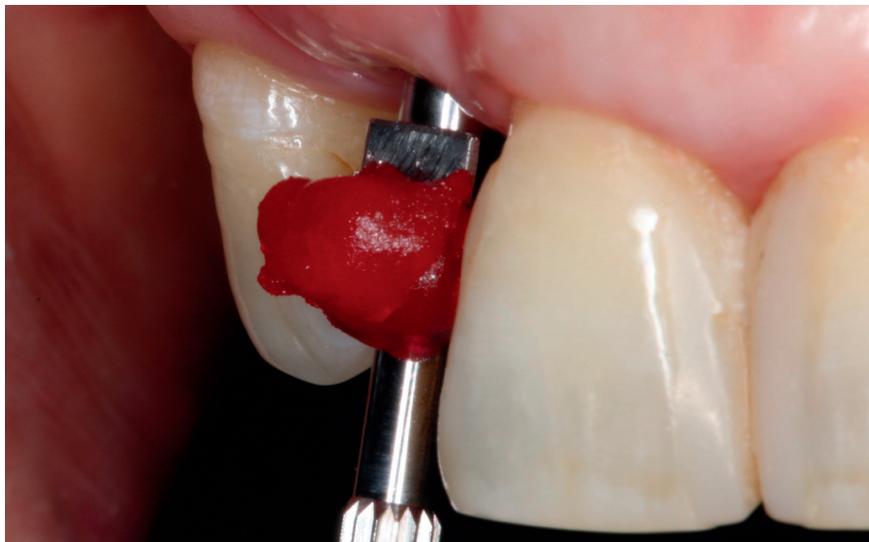
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16. Open tray impression at the implant level.



18. Implant impression.



17. Open tray impression coping with resin



18. Ceramic restoration positioned with a lab index.



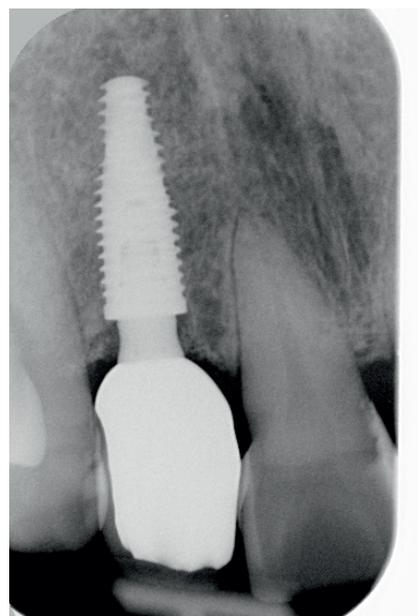
19. Occlusal view of the final restoration.



19. Buccal view of the final ceramic restoration.



20. Final occlusal view of the restoration with the screw access restored.



21. Final periapical view.