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.

Description of the procedure
1. Full Mucoperiostal 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 collagen 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 of the adjacent teeth of the site prior to any surgical procedures.
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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.
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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16. Open tray impression at the implant level.
17. Open tray impression coping with resin
18. Implant impression
19. Ceramic restoration positioned with a lab index
20. Final occlusal view of the restoration with the screw access restored
21. Final periapical view
22. Buccal view of the final ceramic restoration
23. Occlusal view of the final restoration