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CLINICAL
CASE

Grand Morse

Neodent Grand Morse

Single Immediate Loading with GM Helix Implant.

Patient's Medical History

Patient aged 34, with no systemic alterations and non-smoker. History of agenesis of the second lower left premolar with indication for implant-supported rehabilitation.

Planning

Single Case.

Position 35 of the Mandible (FDI System).

Immediate Loading Protocol.

With Flap Access Technique.



Description of the procedure

Terminal infiltration anesthesia, buccal and lingual, incision over the ridge with sulcular extension on adjacent teeth and mucoperiosteal detachment. Instrumentation with drill sequence for GM Helix 4.3x10 implant. Sub-instrumentation performed due to bone quality (bone type III) with the conical 4.0 drill the last to be used. Placement of the implant with subcrestal placement and final torque of 45 Ncm. Selection of the transmucosal abutment height using the GM depth measurer. Temporary placement of the healing abutment and suture.

Prosthetic Description

Provisional prosthetic rehabilitation with immediate loading using GM Pro Peek Abutment. Placement of Transfer Exact closed-tray impression coping, transfer impression coping, placement of implant analog and obtaining of mock-up. Customization of the Pro Peek abutment and fabrication and placement of the provisional prosthesis without occlusal contact.

Result description and/or conclusion

GM Helix implant provides good stability even in bone type III, allowing rehabilitation with immediate loading.

The surgical kit of the GM implant facilitates sub-instrumentation for implants with 4.3 diameter due to option of conical drills 3.75 and 4.0.

Pro Peek Abutment is an excellent provisional crown for allowing customization.



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www.neodent.com.br/grandmorse

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1. Intraoral photo of the edentulous space.



2. Panoramic x-ray.



3. Wax-up of the case.



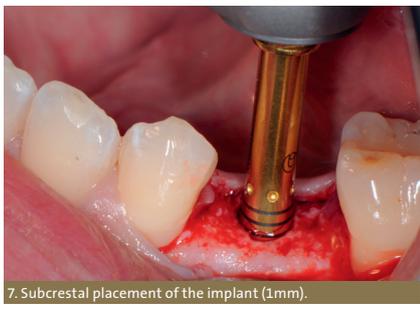
4. Full flap.



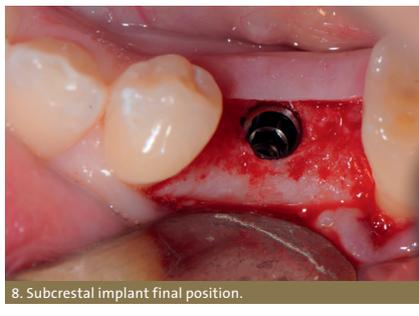
5. Osteotomy until conical drill 4.0



6. Placement of hydrophilic Acqua implant.



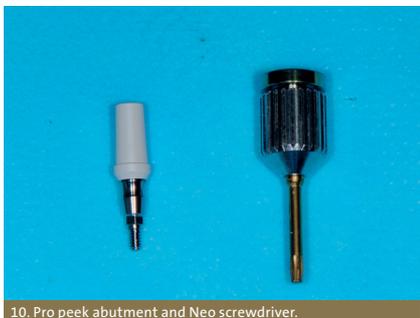
7. Subcrestal placement of the implant (1mm).



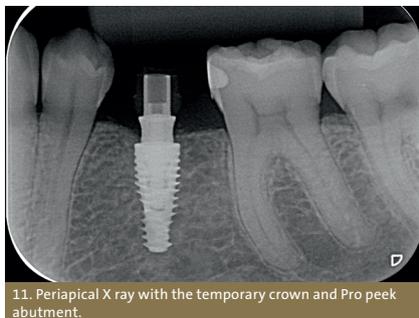
8. Subcrestal implant final position.



9. Healing abutment immediately after surgery.



10. Pro peek abutment and Neo screwdriver.



11. Periapical X ray with the temporary crown and Pro peek abutment.



12. Final ceramic restoration.