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CLINICAL
CASE

Grand Morse

Neodent Grand Morse

GM HELIX Implant with Immediate Loading in Upper Canine.

Patient's Medical History

Male patient, aged 18, leucoderma, ASA 1, without systemic complications for dental implant surgery, with tooth 23 included and impacted.

Planning

Single Case.

Position 23 of the Maxilla and 33 of the Mandible (FDI System).

Immediate Loading Protocol.

With Flap Access Technique.



Description of the procedure

After opening the flap, surgical instrumentation was initiated using the drills from the Grand Morse surgical kit to place the implants. Instrumentation was done until drill 3.75 without the use of the drills 3.75+ and pilot 3.75 due to low bone density found in the area during drilling for good primary stability of the implant, allowing immediate loading technique. Placement began with the surgical contra angle and finished with the torque wrench (final torque: 45Ncm).

Prosthetic Description

The GM Exact Universal Click abutment 3.3x6x3.5 was placed (torque: 20Ncm). The Click Provisional coping was positioned. A full provisional crown was milled in-house, filled with autopolymerizing acrylic resin and placed in the mouth over the provisional coping 3.3x6. After capture, the provisional crown was removed, with the Provisional coping inside it. After the final adjustments, the crown was cemented with Rely X Temp (3M) cement, remaining infraocclusion.

Result description and/or conclusion

The GM HELIX implant proved highly favorable for performing the immediate loading technique, offering great versatility in the instrumentation technique according to the available bone density, due to the various drills options in its Surgical Kit. The extremely easy capture is one of its great benefits, in addition to the range of similar prosthetic options to the Neodent Cone Morse implants. The provisional click coping is also a great improvement for the immediate loading technique since it facilitates intraoral capture of provisional crowns.



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www.neodent.com.br/grandmorse

Neodent Grand Morse

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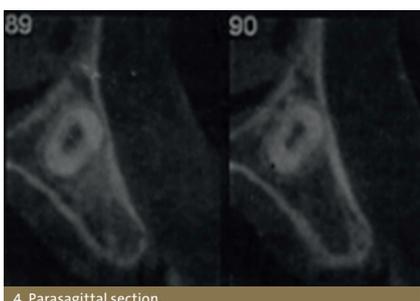
1. Frontal clinical photo.



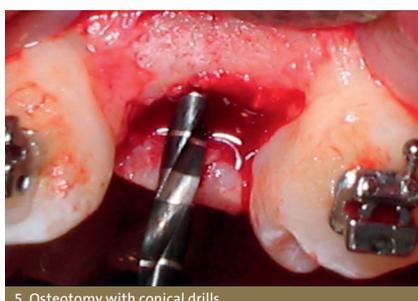
2. Intraoral view of the edentulous space.



3. Tomographic section of the edentulous space.



4. Parasagittal section.



5. Osteotomy with conical drills.



6. Surgical direction indicator.



7. Implant placement.



8. Placement of the 2mm infra-bone implant.



9. Placement of the universal click abutment.



10. Adjustment of the acrylic coping.



11. Provisional crown with immediate loading.



12. Periapical immediately after surgery.



13. 4 months radiographic follow up.