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CLINICAL
CASE

Grand Morse

Neodent Grand Morse

GM HELIX immediate implant with immediate loading.

Patient's Medical History

Female patient, aged 52, leucoderma, ASA 1, without systemic complications for dental implant surgery, with tooth 15 presenting a longitudinal crack, with constant loosening of the crown and of the intraradicular pin, with indication for extraction and immediate implant.

Planning

Single Case.

Position 21 of the Maxilla (FDI System).

Immediate Loading Protocol.

No Flap Access Technique.



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Description of the procedure

Grand Morse surgical kit for placement of a Helix GM 4.3x13 implant. Drilling sequence was followed until drill 3.5, without the use of drill 4.3 or pilot drill 4.3, to optimize primary stability of the implant by undersizing osteotomy, taking into consideration the low bone density found in the area during initial drilling, allowing use of the immediate loading technique. Placement began with the surgical contra-angle and finished with the torque wrench (final torque: 50N.cm).

Prosthetic Description

The GM click exact universal abutment 3.3x6x2.5 was placed (torque 20N.cm). 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 click coping 3.3x6. After capture, the provisional crown was removed, with the provisional coping inside it. After the final adjustments, the crown was fixed just with the click effect of the provisional coping, remaining under occlusion.

Result description and/or conclusion

The GM Helix implant is highly suitable for the immediate implant technique with immediate loading, especially when the sub-instrumentation technique is used, even with little bone density. Extremely easy capture of the implant is one of its great benefits. The connection between the GM exact click universal abutment and the click provisional coping makes the immediate loading technique simple, quick and predictable, reducing treatment time and optimizing the immediate aesthetic results.



MARCELO FONTES TEIXEIRA

mfonttes@uol.com.br

BRASIL

Masters degree in Implantology;
Specialist in Periodontology,
Orthodontology and TMD;
Coord. Spec. Implantology (UniFOA -
VR / RJ - Brazil);
Scientific Reviewer, JOMI/EJOI - Brazil;
Scientific Consultant for NEODENT.

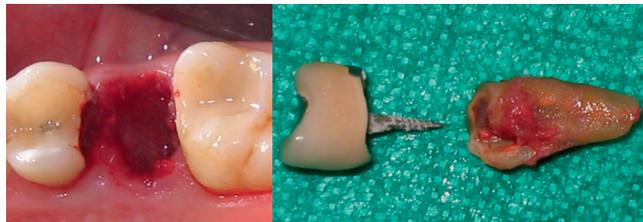
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1. Initial Case



2. Autramatic Extraction



3. Surgical Drilling and checking implant positioning.



4. Implant Placement



5. GM Exact Universal Click Abutment 3.3x6x2.5



6. GM Exact Universal Click Abutment 3.3x6x2.5



7. Total Provisional Crown and Periapical X-Ray