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CLINICAL
CASE

Grand Morse

Neodent Grand Morse

Immediate implant with GM immediate loading.

Patient's Medical History

Patient ASA 1, with no prior history of systemic involvement. The patient showed prior oral rehabilitation with some implants and crowns on teeth and radicular fracture of tooth 15.

Planning

Single Case.

Position 15 of the Maxilla (FDI System).

Immediate Loading Protocol.

No Flap Access Technique..



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Description of the procedure

The surgical procedure was performed using virtual guided surgery (Neodent Guided Surgery) after removing a fractured root with the least possible trauma using the Neodent dental extractor. After extraction, vigorous curettage of the surgical socket was performed and placement of the GM Helix implant after guided osteotomy. After placement, the gap between the implant and buccal wall was filled with biomaterial (bovine origin) and then, since the implant achieved excellent initial torque, an universal abutment and provisional crown were placed.

Prosthetic Description

The provisional prosthetic solution was made in a conventional way with an acrylic resin crown rebased on the provisional coping of the selected universal abutment. After 30 days of healing the universal abutment was molded with the transfer impression coping of the universal abutment and a zirconia coping was used made of CAD/CAM technology.

Result description and/or conclusion

The final result was highly satisfactory with maintenance of bone volume and buccal contour around the implant. The peri-implant tissue reacted well with healthy appearance of gingival tissue. The definitive crown made in just over 30 days from implant placement, using the concept of "one abutment, one time", was only possible thanks to the primary stability of the Helix implant and the bone healing potential of the Acqua surface, allowing predictability in the success of the implant submitted to full occlusal loading in a short time.



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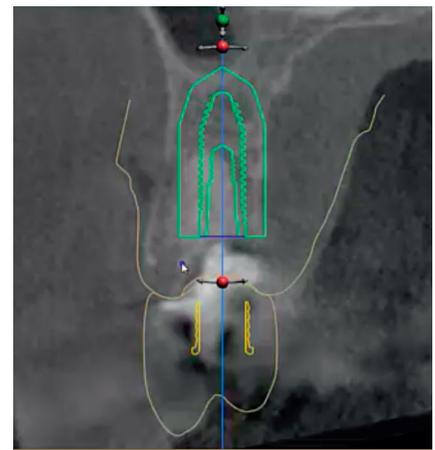
Immediate implant with GM immediate loading.



1. Intraoral clinical appearance.



2. Intraoral clinical occlusal view.



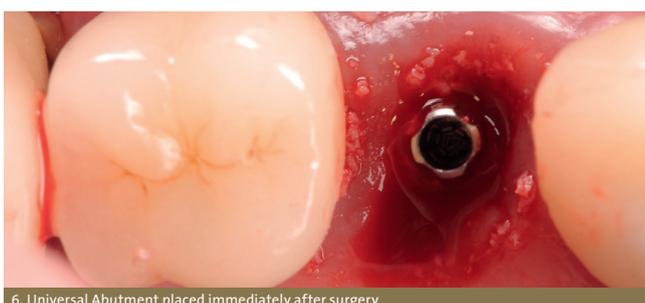
3. "Virtual" surgical planning.



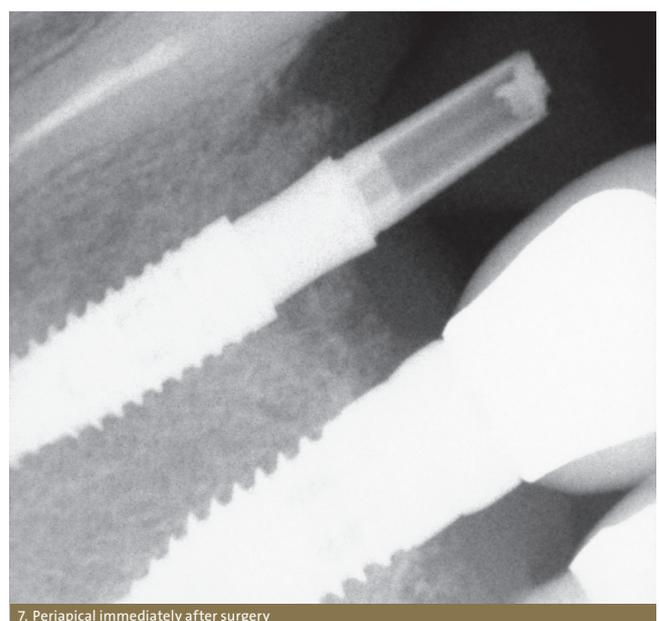
4. Atraumatic extraction with the aid of appropriate surgical instrument.



5. Hydrophilic Acqua implant.



6. Universal Abutment placed immediately after surgery



7. Periapical immediately after surgery



8. Provisional crown made immediately after surgery