CLINICAL CASE

Grand Morse
Neodent Grand Morse

Single implant in the posterior mandible under immediate loading.

**Patient’s Medical History**
Patient ASA 1, not on any ongoing medication, non-smoker.
Main complaint: absence of tooth 36.

**Planning**
Single Case.
Position 36 of the Mandible (FDI System).
Immediate Loading Protocol.
No Flap Access Technique.

**Description of the procedure**
The surgery was performed under local infiltration anesthesia in the region, without nerve block. Drilling was then completed with the 2mm, 3.5mm and 4.3mm drills, without opening up a flap (flapless). The GM Acqua Helix 4.3x11.5 mm implant was then placed approximately 2mm subcrestal and a progressive torque of 60Ncm was obtained.
The 4.5x4x3.5 abutment was selected and placed with 32Ncm. The provisional crown was then fabricated, using the acrylic coping, and provisionally cemented.

**Prosthetic Description**
The provisional crown was fabricated conventionally over the abutment to apply immediate loading. Once the peri-implant tissue had regenerated, the transfer impression was taken in order to fabricate the metal coping. Since the coping had been tested and a periapical x-ray was taken to confirm adaptation, a transfer impression was made to apply the ceramic. The metal ceramic prosthesis was then screwed in and the screw channel sealed with Teflon and resin-based composite.

**Result description and/or conclusion**
In the 1st year of monitoring, excellent behavior of the bone tissue and soft tissue was observed, with no complications in the implant or prosthesis.
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1. Initial periapical x-ray of tooth 36 region.
2. Computed tomography with implant plan.
3. Immediate post-operation.
4. Immediate computed tomography.
5. Immediate periapical x-ray.
6. 1-year monitoring.
7. 3-year monitoring CT scan.