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CLINICAL  
CASE

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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.



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## 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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**BRASIL**

Master's and PhD in Implantology;  
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procedure:

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[www.neodent.com.br/grandmorse](http://www.neodent.com.br/grandmorse)

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