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CLINICAL
CASE

Grand Morse

Neodent Grand Morse

Inferior denture with narrow implants (3.5mm).

Patient's Medical History

Patient without systemic compromise, ASA1, not on any ongoing medication, presence only of teeth 42 and 43.

Complained of difficulty chewing, pain in the remaining teeth as well as dissatisfaction with aesthetics.

Planning

Full Arch.

Immediate Loading Protocol.

With Flap Access Technique.



Description of the procedure

For ideal placement of the implants and prosthesis, a multifunctional guide was fabricated according to reverse planning. The surgery was performed under local anesthetic in the inferior alveolar nerves and bilateral mental nerve. Teeth 32 and 33 were then extracted, followed by supracrestal and oblique incision, flap detachment, smoothing of the ridge and drilling (drill GM 2 and 3.5). Five GM Acqua Helix 3.5x13 mm implants were placed in the intermentonian region and all obtained a torque greater than 60N.cm.

Prosthetic Description

The mini abutments were selected (5.5mm) and placed (torque of 32N.cm), then followed by continuous suture. The copings were fitted over the mini abutments and joined together and to the multifunctional guide, the occlusal record was made, followed by the transfer impression. The copings were unscrewed and the impression was removed and sent to the laboratory to fabricate the metal bar and assemble the inferior denture using the passive-fit cementation technique. The prostheses were then placed and an occlusal adjustment made.

Result description and/or conclusion

It was possible to conclude that in cases where patients require full lower arch rehabilitation and have little bone thickness in the intermentonian region, the use of 5 narrow implants is an excellent alternative. This case obtained a highly satisfactory result for hard and soft tissue with 1 year's monitoring, without complications for either the implant or the prosthesis.



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Other doctors that participated in the
procedure:

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Carolina Accorsi Cartelli;
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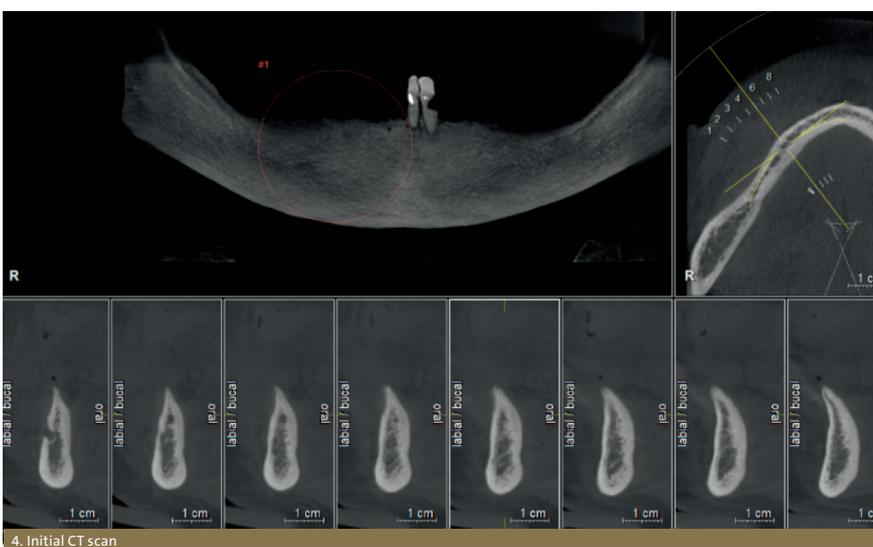
1. Initial (protheses)



2. Inferior ridge (initial)



3. Initial panoramic x-ray



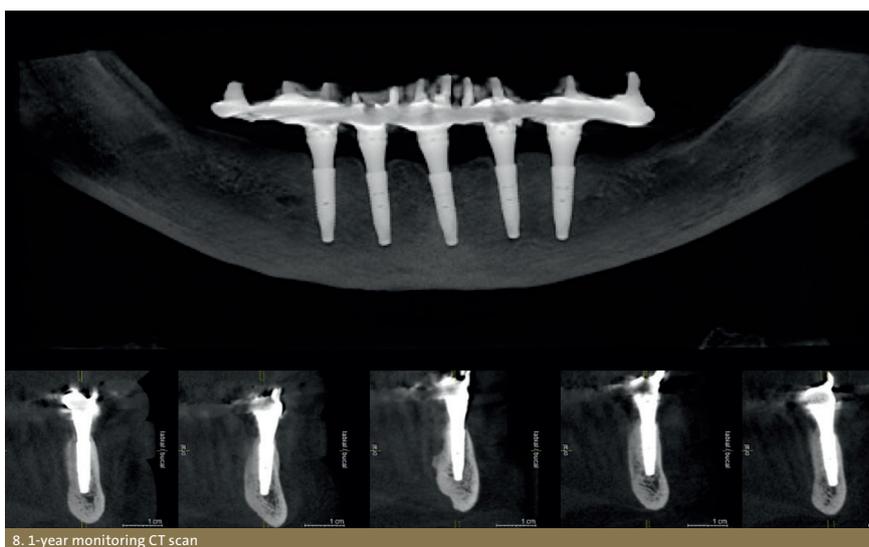
4. Initial CT scan



5. Implant Helix 3.5mm



6. 1-month monitoring



8. 1-year monitoring CT scan



7. 1-year monitoring