

CLINICAL CASES

Lower single-unit posterior rehabilitation
using Drive GM® implant



Grand Morse®
Connection



Single Unit



DR. SERGIO PEREIRA

PORUGAL

- Implantology Specialist at ILAPEO;
- Oral Surgery Specialist at Ordem dos Médicos Dentistas de Portugal;
- Director at Clínicas Previdente
- Neodent® Speaker.

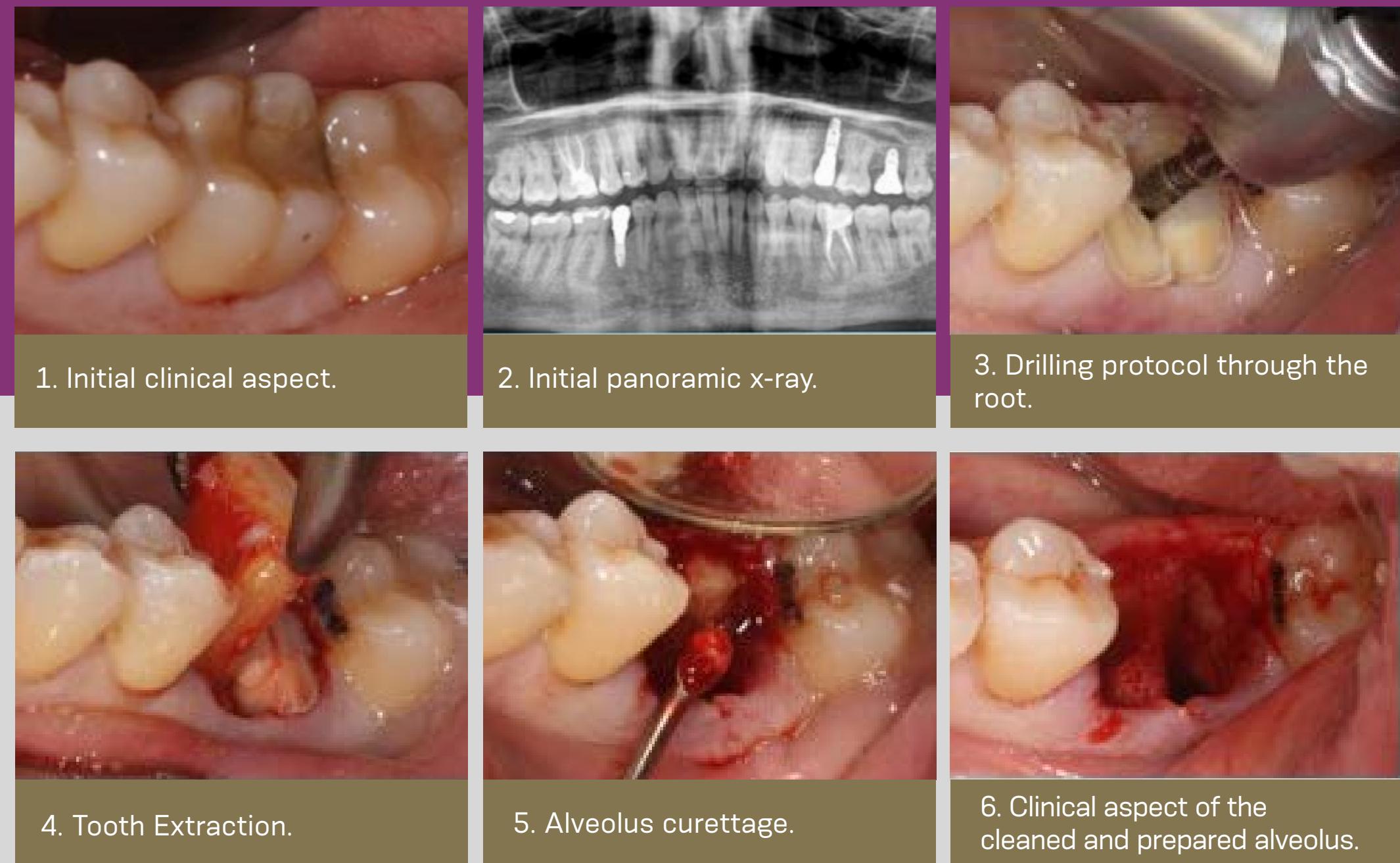
Lower single-unit posterior rehabilitation using Drive GM® implant

PATIENT MEDICAL HISTORY

Male patient is 54 years old. He had a recurrent apical lesion on tooth 36 even after retreating the root treatment and extensive coronary restoration in composite resin. Patient ASA I, already with three other implants in different oral regions.

PLANNING

It was decided to remove the tooth and using the technique DTR: Drilling thorough the roots, properly curettage of the lesion, immediately placing a Grand Morse® implant and grafting the socket with biomaterial.



Images provided by Dr. Sergio Pereira.

DESCRIPTION OF THE PROCEDURE

The surgery went well, pre-operative antibiotic and anti-inflammatory medication was indicated, one hour before the surgery. Anesthesia was performed through trunk block with infiltrative vestibular complementation.

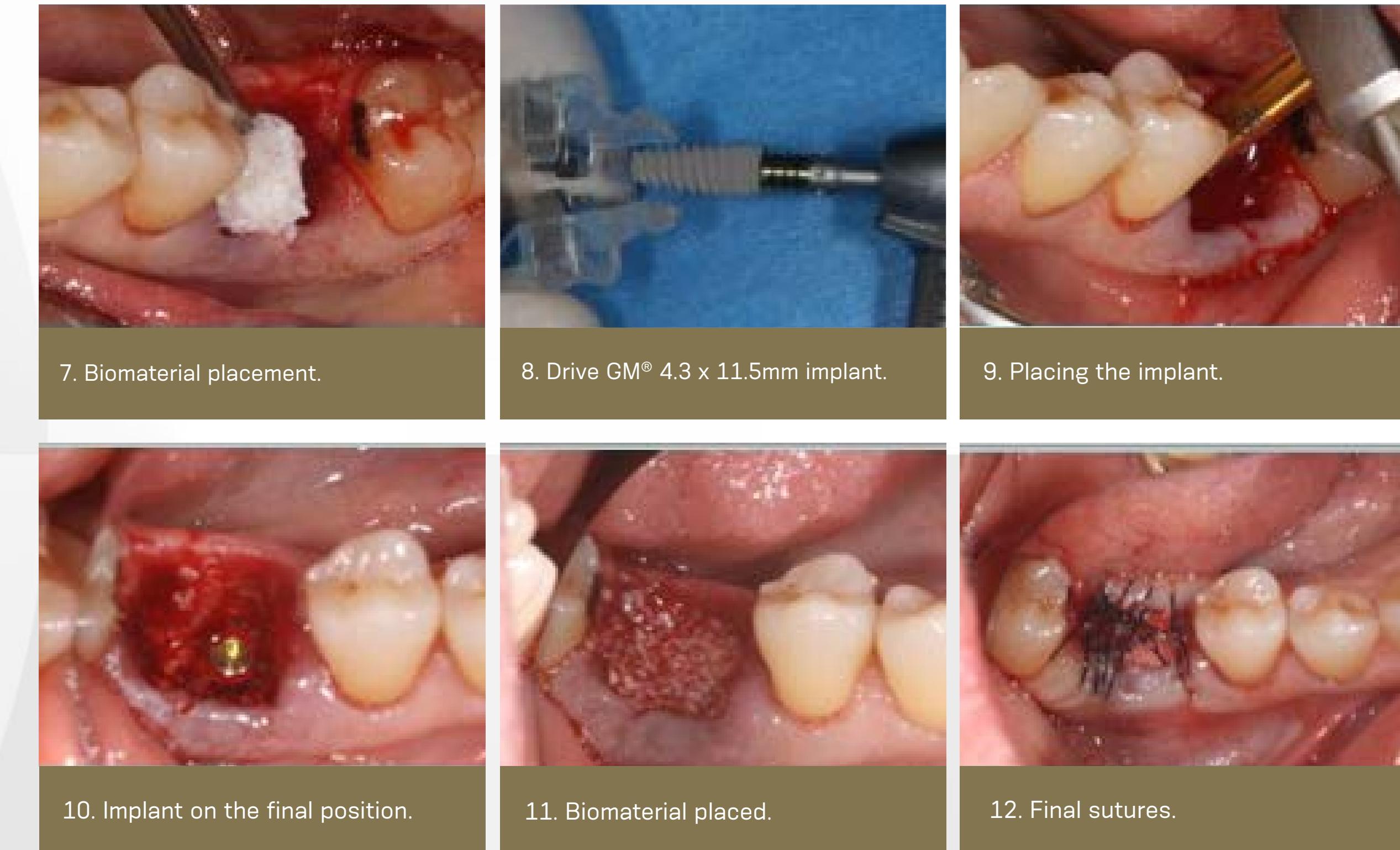
No flaps were made, we performed the surgery through the socket. The implant chosen was the Drive GM® 4.3 x 11.5mm with Neoporos® surface, placed in an alveolar infrabone position of 3 mm and an initial stability of 40N.cm was achieved. We chose to seal the implant with a cover screw, graft biomaterial was placed and seal the set with the resorbable membrane. Finally, stabilizing sutures were made.

NEODENT® MATERIALS

- Drive GM® 4.3 x 11.5mm
- GM Exact Click Universal Abutment 4.5 x 4.0 x 4.5mm

PROSTHETIC DESCRIPTION

Four months after implant placement, the GM Exact Click Universal Abutment 4.5 x 4.0 x 4.5mm was placed and the final prosthetic crown was cemented over the abutment.



Images provided by Dr. Sergio Pereira.

LEARNING OUTCOMES FROM THE DOCTOR

Questions and answers

Professional opinion of the product and the procedure:

Great products designed for a predictable, intuitive surgical sequence and adequate gingival health, the result of the biocompatibility of the materials chosen for surgery and prosthesis.

What were the other treatment options?

Another treatment option would be a fixed partial denture, early discarded since it would damage the adjacent teeth.

There was any challenge during the treatment?

We were not sure of the feasibility of placing the implant in the same day of the tooth extraction, but with careful removal

of the roots during dental section and with the technique of alveolar preparation through the roots before its extraction we managed to reach our goal in this case.

TIPS

When possible and when the basic criteria are respected, the immediate placement of simultaneous implants and grafts after tooth extractions is a possible technique and can seeks to shorten the time taken to resolve cases.

Dr. Sergio Pereira



13. Follow-up panoramic x-ray.

Images provided by Dr. Sergio Pereira

Experienced clinicians performed the procedures presented. The clinicians are fully responsible for the reliability of the information and for the procedures and results reported. Any review, dissemination, distribution, copying or other use of this information by persons or entities, without previous written permission, is prohibited. The presented material can be subject of reviews without previous notice. No liability is accepted for any errors or omissions in the contents.

It is the clinician's exclusive responsibility to evaluate the patient's health conditions and viability of the procedure. The reproduction of this clinical case does not imply the success of similar procedures, as it will depend on the clinician's technique and ability on patient's conditions on the previous and post procedure.

Neodent®, Grand Morse®, Drive GM® and Neoporos® are trademarks or registered trademarks of JGC Indústria e Comércio de Materiais Dentários S.A.

© 2020 - JGC Indústria e Comércio de Materiais Dentários S.A. All rights reserved. Some items may not be available for sale yet. For further information, please contact your local distributor.

© Neodent® 2021. All rights reserved.
Neodent® and/or other trademarks and logos from Neodent® that are mentioned herein are the trademarks or registered trademarks of Straumann Holding AG and/or its affiliates.
All rights reserved.

ifu.neodent.com.br/en
www.neodent.us • www.neodent.ca

 **straumann®**

Straumann North American Headquarters
Straumann USA, LLC
60 Minuteman Road
Andover, MA 01810
Phone 800/448 8168 (US) • 800/363 4024 (CA)
Fax 978/747 2490
www.straumann.us • www.straumann.ca

USLIT.2037 3/21 V2 D3

 **NEODENT®**
A Straumann Group Brand