

*GRAND POSSIBILITIES
IN SEVERELY ATROPHIC
MAXILLA CASES*
NEODENT® GM ZYGOMA-S



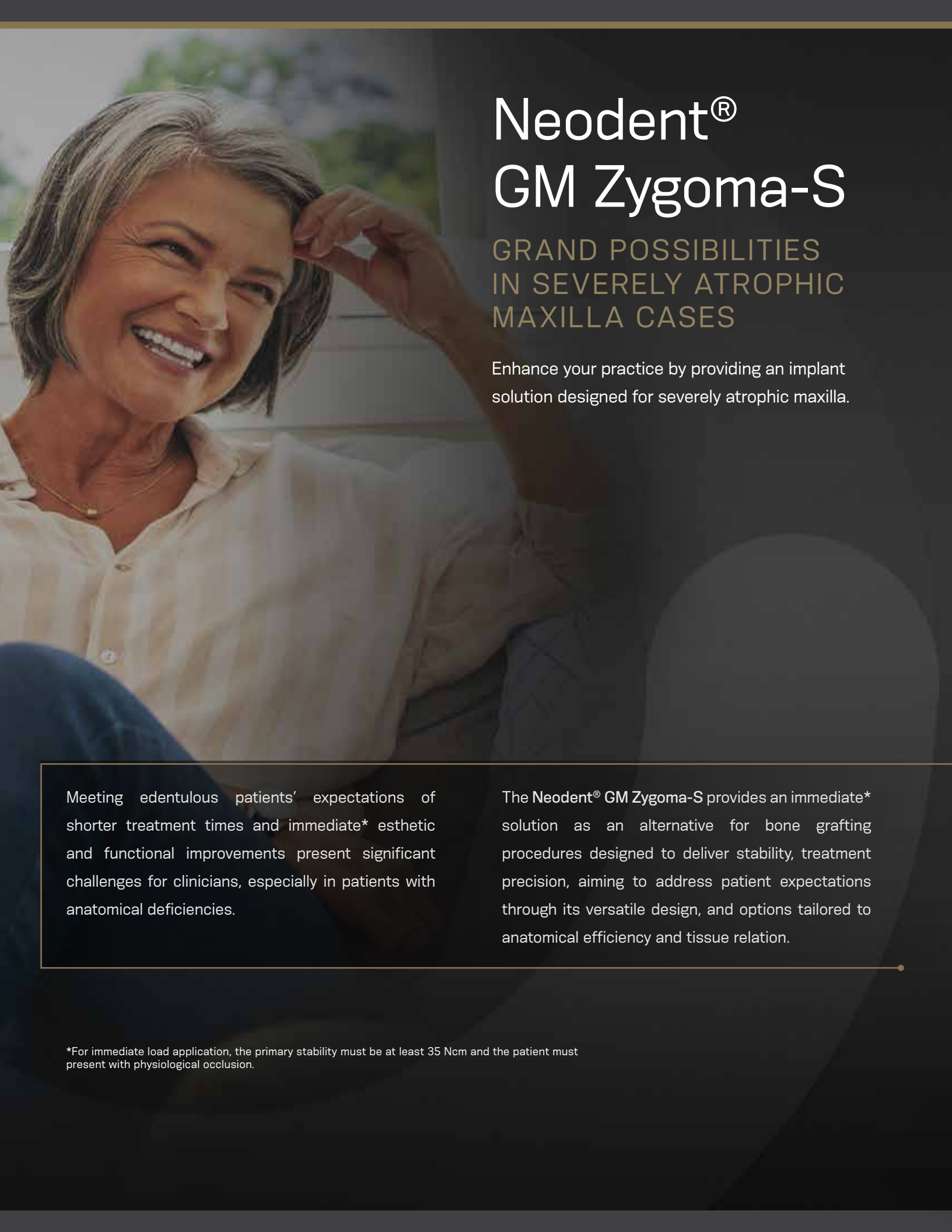
Grand Morse®
Connection



Helix®
Implant



NeoArch®
Solution



Neodent® GM Zygoma-S

GRAND POSSIBILITIES
IN SEVERELY ATROPHIC
MAXILLA CASES

Enhance your practice by providing an implant solution designed for severely atrophic maxilla.

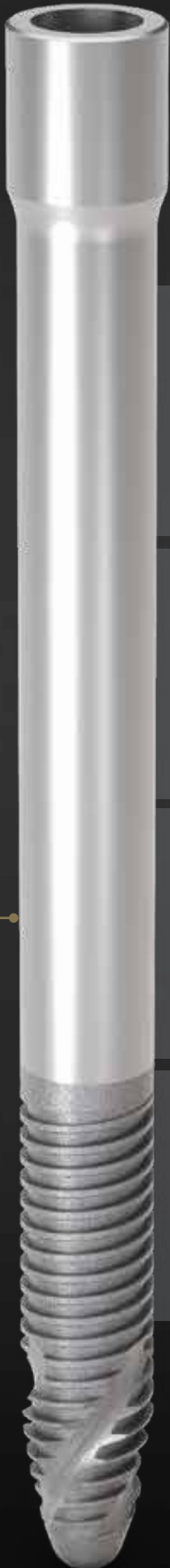
Meeting edentulous patients' expectations of shorter treatment times and immediate* esthetic and functional improvements present significant challenges for clinicians, especially in patients with anatomical deficiencies.

The Neodent® GM Zygoma-S provides an immediate* solution as an alternative for bone grafting procedures designed to deliver stability, treatment precision, aiming to address patient expectations through its versatile design, and options tailored to anatomical efficiency and tissue relation.

*For immediate load application, the primary stability must be at least 35 Ncm and the patient must present with physiological occlusion.



A SMILE FOR EVERYONE



IMMEDIATE* SOLUTION FOR SEVERE ATROPHIC MAXILLA CASE TREATMENTS

Immediate function in shorter treatment times, if graft procedures are avoided



ANATOMICAL EFFICIENCY AND STABILITY

Designed to achieve high primary stability and anatomical compatibility



PROSTHETIC VERSATILITY FOR REHABILITATION NEEDS

A stable and strong foundation designed for long term success



SURGICAL PROTOCOL

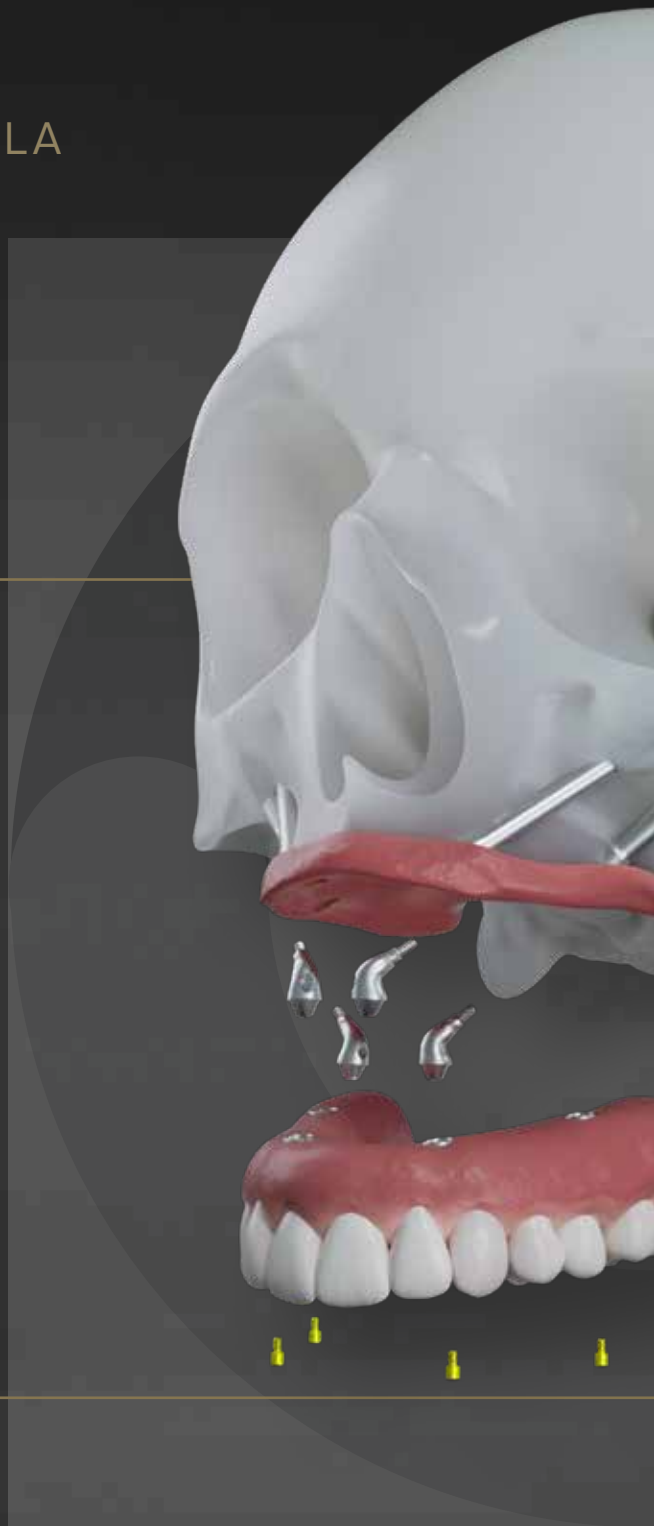
Designed to overcome challenging procedures in the extra maxillary zygomatic region

*For immediate load application, the primary stability must be at least 35 Ncm and the patient must present with physiological occlusion.



IMMEDIATE* SOLUTION FOR SEVERELY ATROPHIC MAXILLA TREATMENTS

Neodent® GM Zygoma-S Implant System is part of the NeoArch® Grand Morse® solution, and offers an optimized solution for immediate* fixed treatment protocols in edentulous patients with severely atrophic maxilla, aimed at improving patient satisfaction^[3].



“ The Zygoma-S implant is the result of Neodent treatment concepts evolution, based on versatility and immediate results. It is a cutting-edge solution for atrophic maxilla rehabilitations. ”

DR. GENINHO THOMÉ

*For immediate load application, the primary stability must be at least 35 Ncm and the patient must present with physiological occlusion.



IMMEDIATE* FUNCTION MAY RESULT IN SHORTER TREATMENT TIMES.

- Alternative implant techniques to avoid the use of grafting procedure⁽¹⁾
- Optimized implant design to achieve high primary stability in bone types I, II, III and IV⁽³⁾



IMMEDIATE* NATURAL-LOOKING ESTHETICS WITH VERSATILE RESTORATIVE OPTIONS.

- Broad range of gingival heights to address varied clinical needs
- Options of straight and angled abutments [0°, 17°, 30°, 45°**, 45° Slim**, 52°*** & 60°***]



IMMEDIATE* PEACE OF MIND THANKS TO A STABLE FOUNDATION.

- One connection regardless of the implant diameter
- Familiar connection combining platform switching with a deep 16° Morse taper and an internal indexation

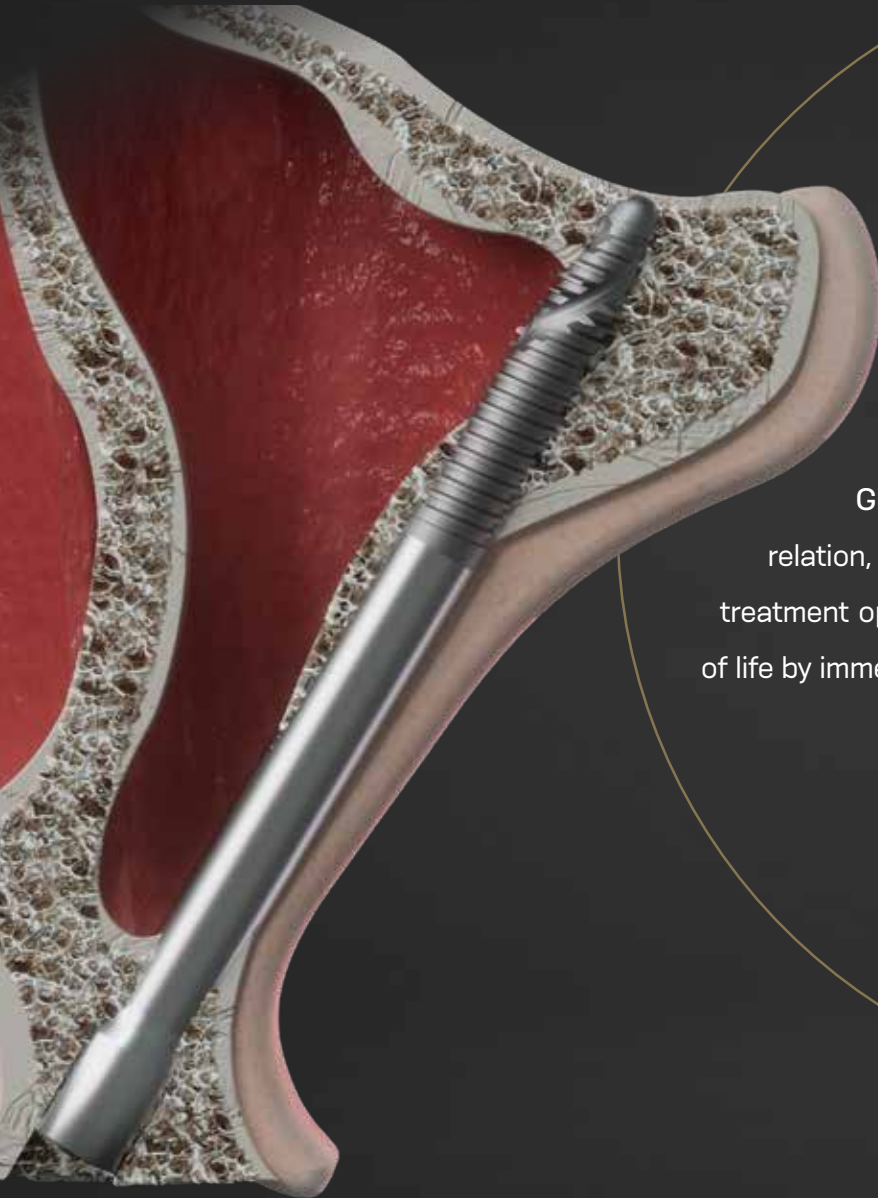
*For immediate load application, the primary stability must be at least 35 Ncm and the patient must present with physiological occlusion.

**The 45°/45° Slim Mini Conical Abutments are indicated for use only with Zygoma GM and GM Zygoma-S.

***The 52°/60° Mini Conical Abutments are indicated for use only with Zygoma GM and GM Zygoma-S



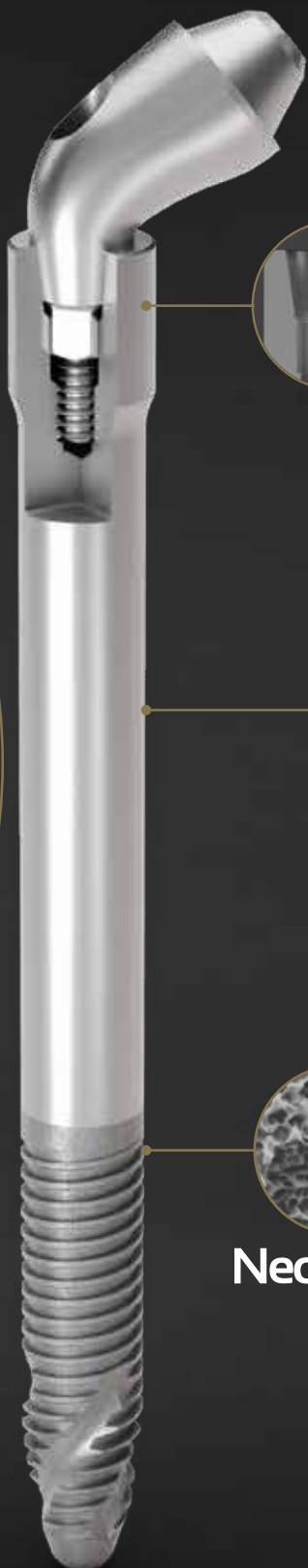
ANATOMICAL EFFICIENCY AND STABILITY



The Neodent® GM Zygoma-S features the unbeatable versatility of Helix® Grand Morse® designed for high primary stability for long-term success. Additionally, with the combination of trusted features, the Neodent GM Zygoma-S offers an anatomical friendly relation, targeting soft tissue preservation and versatile treatment options, which may result in an improved quality of life by immediately restoring function and esthetics^[2].

“ The polished surface of Zygoma-S implant is a game-changer. I know a lot of patients will benefit from the extra-sinus technique with an improved soft tissue approach of this new implant.

DR. RIAD ALMASRI ”



NeoPoros

GRAND MORSE® CONNECTION: A STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS.

- One prosthetic connection for all Grand Morse Implants
- 16° morse taper connection: designed to ensure a tight fit for an optimal connection seal
- Platform switching morse taper connection: fulfills the platform switching concept.
- Deep morse taper connection: designed for optimal load distribution
- Internal Indexation: precise abutment positioning, protection against rotation and easy handling

IMPLANT DESIGNED TO PROVIDE STABILITY IN SEVERELY ATROPHIC MAXILLA,^[5] RESULTING IN ANATOMICAL EFFICIENCY

- Implant designed for an extrasinus path
- Associated with regular implants or Quad Z placement
- 3.5mm and 3.75mm of diameter
- Smooth Machined Surface in the implant body aimed at maintaining soft-tissue preservation
- Coronal portion with 4.3mm of diameter designed to ensure resistance and a tight fit for an optimal connection seal
- Ten different lengths for both 3.5mm and 3.75mm diameters: 30 / 35 / 37.5 / 40 / 42.5 / 45 / 47.5 / 50 / 52.5 / 55 mm

HELIX® GRAND MORSE®: UNBEATABLE VERSATILITY.

- Progressive depth threads at the apical area allow under-prepping of the osteotomy
- Apex with Neoporos surface, with the potential of osseointegration to enhance the zygomatic anchorage
- Hybrid contour: enable stability with vertical placement flexibility
- Dynamic progressive thread design designed to achieve high primary stability in all bone types
- Active apex: self-tapping



PROSTHETIC VERSATILITY FOR REHABILITATION NEEDS

The Neodent® NeoArch® restorative portfolio includes abutments of varying shapes, angulations, and gingival heights to address different clinical needs. In addition, supporting immediate* function with prosthetics simplifies your workflow, optimizing the emergence profile, and respecting biological distances, regardless of the maxilla atrophy level.



SEVERAL GINGIVAL HEIGHT OPTIONS: ADAPTING TO
TISSUE AVAILABILITY.

OPTIMAL ANGULATION: 17° TO 60°***:
FITTING TO PATIENT'S ANATOMY.

SHORT CONE, WIDE ANGLE: MAXIMIZING PASSIVE
FIT AND ANGLE COMPENSATION.



17°

GINGIVAL
HEIGHTS

1.5 / 2.5 / 3.5 mm

The wide range of angles for Mini Conical Abutments and the special GM design deliver great results for the patient's needs, with favorable and functional prosthesis.

DR. GENINHO THOMÉ



NEW

NEW



30°

45° Slim**

45°**

52°***

60°***

1.5 / 2.5 / 3.5 mm

1.5 / 2.5 mm

1.5 / 2.5 mm

1.5 / 2.5 mm

1.5 / 2.5 mm

*For immediate load application, the primary stability must be at least 35 N.cm and the patient must present with physiological occlusion.

**The 45°/45° Slim Mini Conical Abutments are indicated for use only with Zygoma GM and GM Zygoma-S.

***The 52°/60° Mini Conical Abutments are indicated for use only with Zygoma GM and GM Zygoma-S.



SURGICAL PROTOCOL

The Neodent® GM Zygoma-S system builds confidence with its straightforward surgical protocol, designed to overcome challenging procedures in the extra maxillary zygomatic region. Surgical procedures in patients with extreme bone deficiency are complex and require efficient protocols and accuracy, to avoid implant deviation and assure the treatment's long-term success.

STRAIGHTFORWARD SURGICAL PROTOCOL

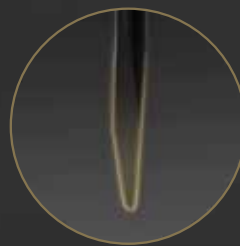
The Neodent® GM Zygoma-S protocol features drills designed for accurate osteotomy from the surgical beginning, bringing a maximum level of confidence to the surgery by precise initial drilling, preserving anatomical structures, contributing to the accuracy in the implant positioning, regardless of the demanding indications.

Two different lengths of color-coded drills options, to adapt well to diverse anatomical structures:

- Ø3.5 and Ø3.75 diameters
- 71 mm and 100 mm lengths

Precision for initial surgical preparation of the osteotomy:

- A Spade drill
- Initial lateral cutting drill

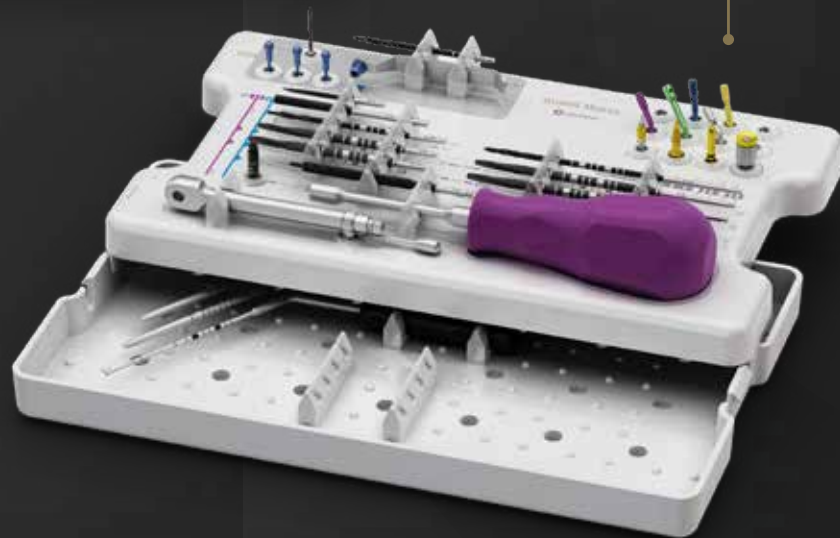


“ The Zygoma-S surgical kit was specially improved for the initial drilling, which enables a very stable osteotomy and a predictable implant placement.

DR. LUIS EDUARDO MARQUES PADOVAN ”

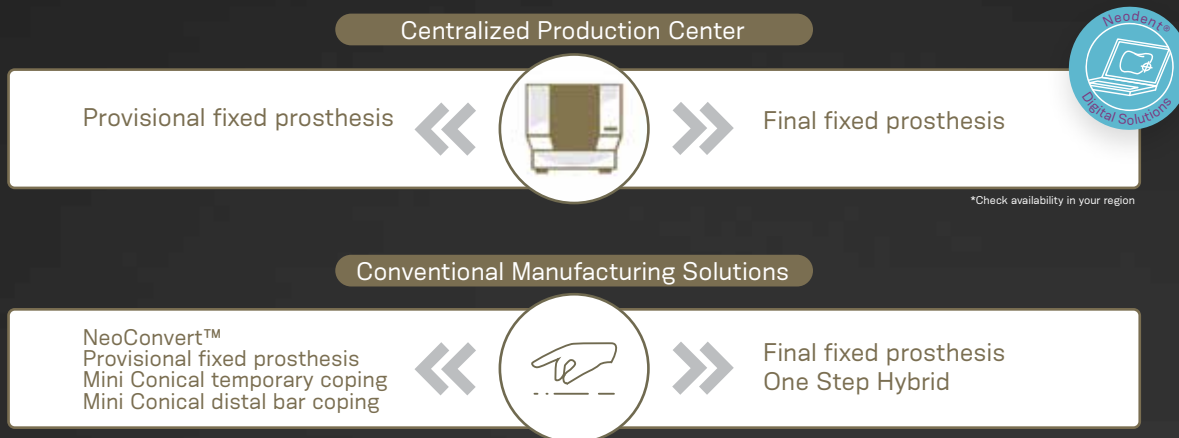
FUNCTIONAL AND INTUITIVE SURGICAL CASSETTE TARGETING SURGICAL EFFICIENCY.

The Neodent® GM Zygoma-S System features an intuitive protocol, targeting surgical efficiency, simplifying the drilling sequence and includes an initial guided procedure



COMPREHENSIVE RESTORATIVE SOLUTIONS

Different possibilities of workflows and materials: customize frameworks for provisional or final restorations.



NEODENT DIRECTFIT™ SCREW

Fit the prosthesis directly on the multi-unit abutments with the Neodent DirectFit Screw, designed to provide accuracy and reliability — the precision essential for digital workflows. The Neodent DirectFit Screw open virtual libraries are available for use during the design of the prosthesis (Requires a Validated DME File) to virtually customize it around the DirectFit Screw to ensure detailed design from planning to milling for various clinical situations.

FIXED FULL ARCH RESTORATION MATERIALS^



PMMA Temporary^



Zirconia Final^



Virtual Library DME files available at: straumann.us/connectivity and straumann.ca/connectivity

^Validated materials include:

NICE Zirconia HT, NICE Zirconia LT, NICE Zirconia XT****, Prettau***, PMMA, NICE PMMA*

*The NICE® PMMA material is only recommended for temporary/provisional prosthetic restorations.

***The NICE® PMMA material should not be used in conjunction with the direct screw on 45°, 52° and 60° mini conical abutments.

****The Prettau® material should not be used in conjunction with the direct screw on NGM micro conical abutments.

****Zirconia XT restorations are indicated for inlays, onlays, veneers, crowns and bridges up to 3 units.

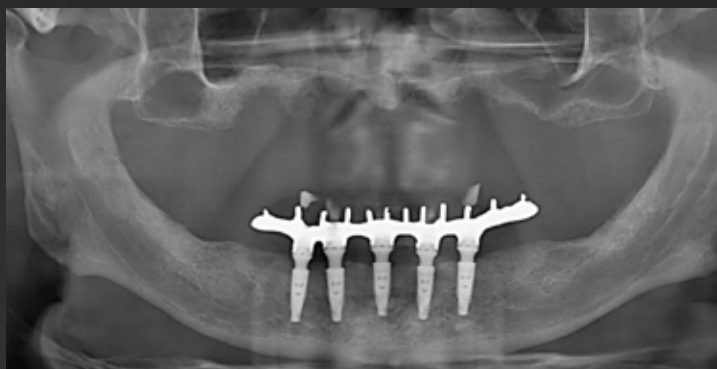
CLINICAL CASE

FULL UPPER ARCH RESTORATION
WITH 4 **ZYGOMA-S** IMPLANTS

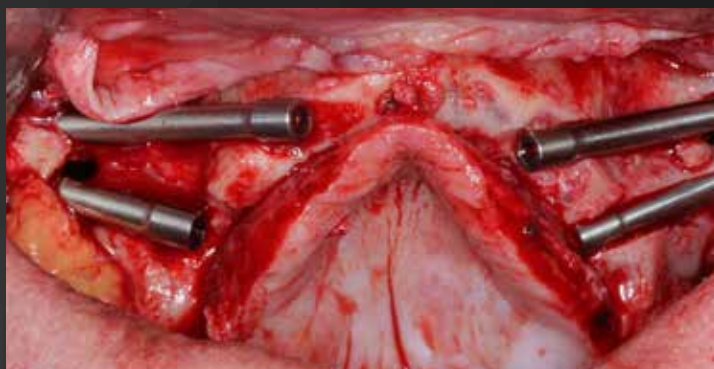
DR. RIAD ALMASRI

USA

Specialty Certificate in Prosthodontics
from the Nova SE University College of
Dental Medicine



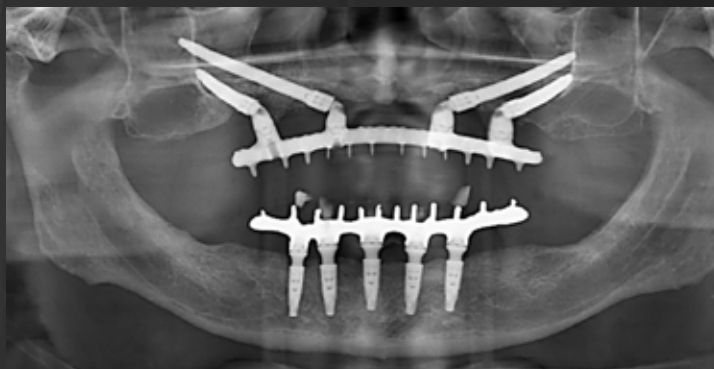
Initial panoramic image, before the procedure



Clinical aspect after the placement of 4 Zygoma-S implants



Clinical aspect of final rehabilitation



Final panoramic image, with the bar positioned on abutments

CLINICAL CASE

FULL UPPER ARCH RESTORATION WITH **2 ZYGOMA-S IMPLANTS** COMBINED WITH **3 HELIX GM IMPLANTS**

DR. RIAD ALMASRI

USA

Specialty Certificate in Prosthodontics
from the Nova SE University College of
Dental Medicine



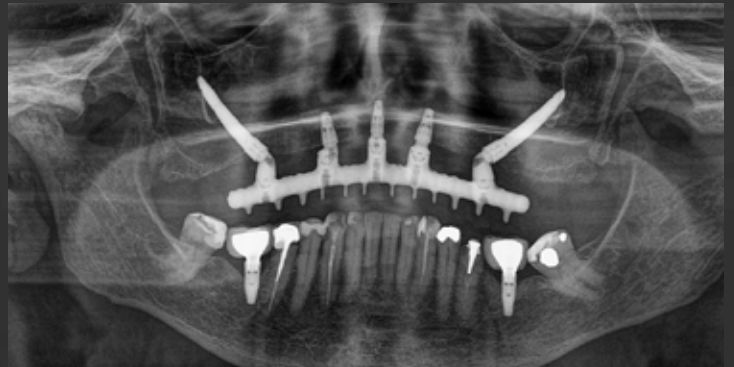
Initial panoramic image, before the procedure



Clinical aspect after the placement of 2 Zygoma-S implants
and 3 Helix® GM implants



Clinical aspect of final rehabilitation



Final panoramic image, with the bar positioned on abutments



A Smile for Everyone.

Neodent® goes beyond conventional implant dentistry to offer solutions for immediate* treatments in a wide range of clinical challenges. From solutions for limited surgical and prosthetic spaces to full arch rehabilitations, The **"A Smile For Everyone"** portfolio aims to increase efficiency and peace of mind, while improving patient satisfaction and quality of life, by immediately restoring function with natural-looking esthetics.

*For immediate load application, the primary stability must be at least 35 Ncm and the patient must present with physiological occlusion. Not all products shown are available in all markets.

[1] "Block MS, Haggerty CJ, Fisher GR. Nongrafting implant options for restoration of the edentulous maxilla. J Oral Maxillofac Surg 2009;67:872-881."

[2] Aparicio C, López-Piriz R, Albrektsson T. ORIS Criteria of Success for the Zygoma-Related Rehabilitation: The (Revisited) Zygoma Success Code. Int J Oral Maxillofac Implants 2020;35:366-378.

[3] "Babbush CA. Post treatment quantification of patient experiences with full-arch implant treatment using a modification of the OHIP-14 questionnaire. J Oral Implantol. 2012 Jun;38(3):251-60."

[4] DT-2207-080 - Technical Statement, FORM: FORM.P&D.048.013

NUOVI SORRISI OGNI GIORNO

CHAQUE JOUR DE NOUVEAUX SOURIRES

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