



Smile for  
Everyone  
solution



NeoArch®  
Solution



Helix®  
Implant

# NEODENT® NEOARCH®

IMMEDIATE FULL-ARCH SOLUTION.



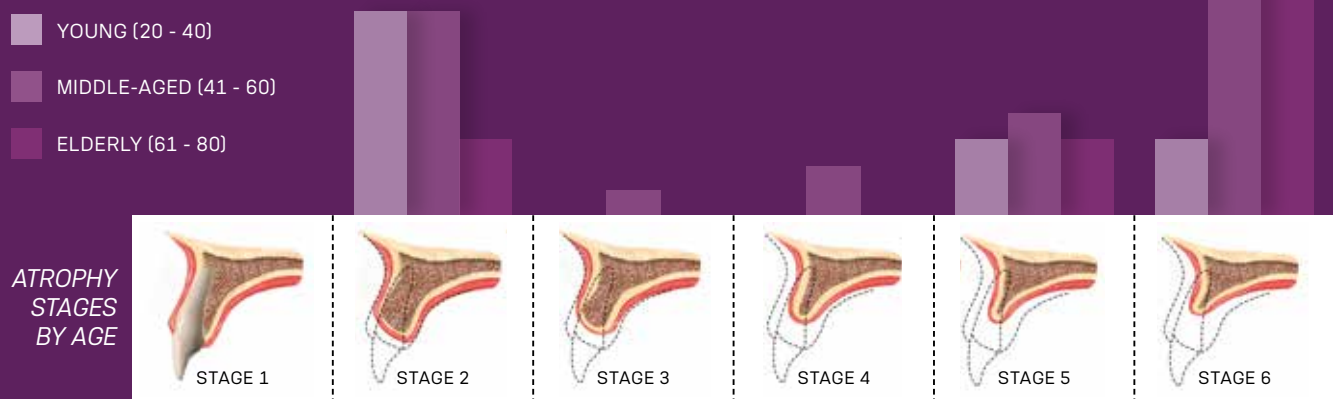


# Smile for Everyone.

**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, **'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 reliability.**

# High levels of atrophic maxilla are mainly affecting a growing population

Globally, poor oral health among elderly people represents high levels of tooth loss. Following this, the severely atrophic maxilla is a very common oral disease particularly in this population aged 60 and above.<sup>[1-2]</sup>



A phenomenon known as **population ageing** is occurring throughout the world. The elderly population is growing at a rate of about 3 percent per year and is projected to be 2.1 billion by 2050.<sup>[3]</sup>

# NEODENT® NEOARCH®

## IMMEDIATE FULL-ARCH SOLUTION

Increasing expectations for shortened treatment duration represents a significant challenge for dental professionals, especially in patients with anatomical deficiencies. The Neodent® Neoarch® offers an optimized solution for immediate treatment protocols in edentulous patients, offering state-of-the-art resources for digital and conventional workflows. Improve your patient's satisfaction and quality of life by restoring function and esthetics.<sup>(4)</sup>

### ● COMPREHENSIVE WORKFLOWS FOR IMMEDIATE RESULTS

1

#### COMMITTED TO THE EDENTULOUS PATIENT JOURNEY



Find the ideal workflow for your edentulous patient with straightforward results and increased patient acceptance.

2

#### ANATOMICALLY DRIVEN SOLUTION



Designed for predictable immediate treatment in different densities and atrophy levels of the residual alveolar bone.

3

#### IMMEDIATE NATURAL-LOOKING ESTHETICS



Several gingival heights and angulations combined with an anatomical shape, short cone and wide angle, resulting in an optimized emergence profile.

New option to work directly to Multi-unit Abutments with Neodent DirectFit Screw™.



#### A REMOVABLE OPTIONS FOR STABLE SMILES

Designed to maximize flexibility and reliability in removable solutions.



## A LANDMARK IN DIGITAL DENTISTRY

Straumann Exact compatible with Neodent it's a physical connections between scanbodies that improve IOS accuracy and enhance precision for full-arch scanning.



## EXPERIENCE A NEW KIND OF EFFICIENCY FROM START TO FINISH

Partnership with the Straumann® Smile in a Box® initiative, delivering all components in a single, streamlined box.



4

## IMMEDIATE TEMPORARY PROSTHESIS WITH NEOCONVERT™



Save time and costs in your treatments converting a conventional denture into a fixed solution, and improve your patient's experience.

5

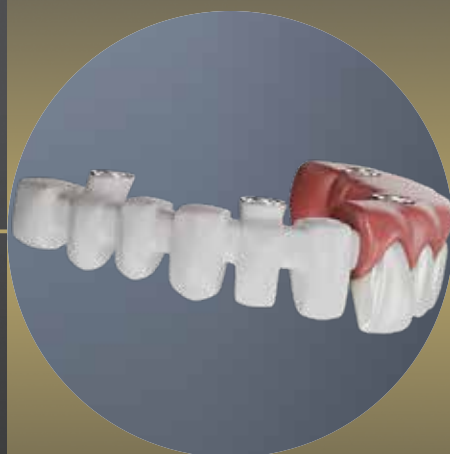
## DIGITAL OPTIONS TO STREAMLINE YOUR CLINICAL PRACTICE



Immediate personalized leverage neoarch digital resources for enhanced results in your cases.

6

## COMPREHENSIVE RESTORATIVE SOLUTIONS



Meet patient expectations with different possibilities of workflows and materials: customize frameworks for provisional or final restorations.

## PRACTICALITY OF A PRECISE SCAN USING THE PATIENT'S TEMPORARY PROSTHESIS

Enable an efficient digital workflow to deliver the final prosthesis with the convenience of an extraoral workflow.

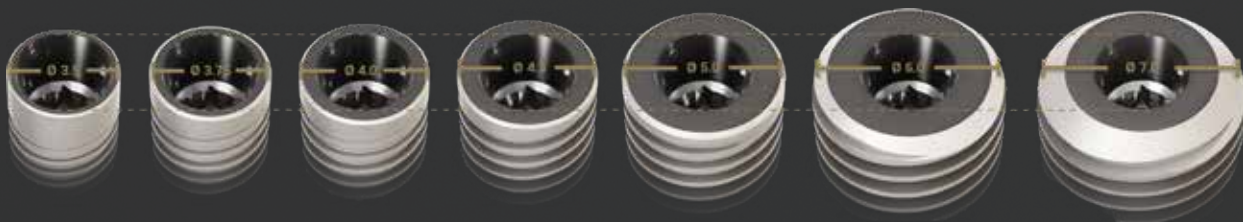


# THE NEXT LEVEL OF IMMEDIATE FIXED FULL-ARCH

The NeoArch® Grand Morse® combines Neodent's technologies designed to enhance immediate full-arch rehabilitation. The Grand Morse® stability, the Helix® versatility, the Acqua surface predictability, and optimized Mini Conical abutment shape all combined, maximize NeoArch® efficiency: one implant, one connection, one abutment.

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

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



## HIGH SURGICAL AND RESTORATIVE PREDICTABILITY

A prospective cases analysis demonstrated the high predictability of the Neodent® Grand Morse® implant system; from 111 GM implants (37 in upper jaw and 74 in lower jaw) placed with a follow up of up to 24 months, NeoArch® has performed and achieved a success rate of 100%.<sup>(6)</sup>

# Helix GM<sup>®</sup>



## HELIX<sup>®</sup> GRAND MORSE<sup>®</sup>: UNBEATABLE VERSATILITY.

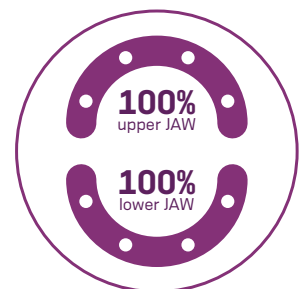
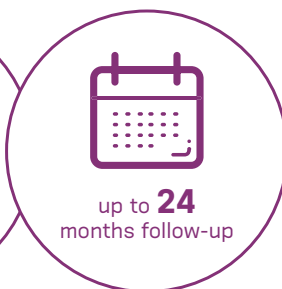
- Fully tapered body design: allows for under prepping of the osteotomy.
- Hybrid contour: enabling stability with vertical placement flexibility.
- Dynamic progressive thread design: designed to achieve high primary stability in all bone types.
- Active apex: self-tapping.

## MINI CONICAL ABUTMENT: IMMEDIATE NATURAL-LOOKING ESTHETICS.

- Optimized emergence profile: reducing the need of bone profiling.
- Several gingival height options: adapting to tissue availability.
- Optimal angulation of 17°, 30°, 45° and 60°: fitting topatient anatomy.
- Short cone, wide angle: maximizing passive fit and angulation compensation.

## ACQUA SURFACE: HIGH TREATMENT PREDICTABILITY.

- Sand-blasted Large grit and Acid etched surface: NeoPoros highly successful surface.
- Hydrophilic surface: immediate greater surface accessibility. <sup>(5)</sup>



Neodent<sup>®</sup> NeoArch<sup>®</sup> Survival Rate **up to 24 months**

# IMMEDIATE SOLUTION IN SEVERE ATROPHIC MAXILLA

The Neodent® Helix GM Long, Zygoma GM and GM Zygoma-S complement the standard implant system for achieving immediate loading protocol in fixed full-arch restorations.

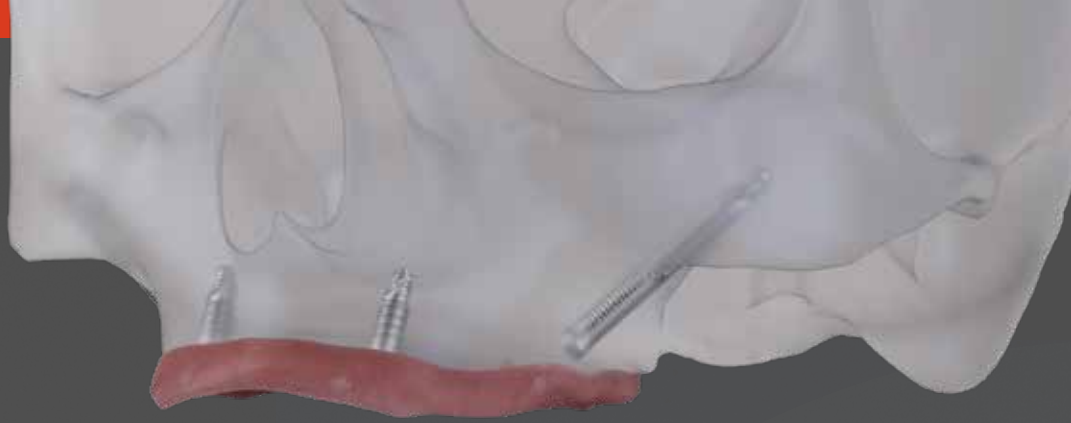
They are specifically designed to bring surgical predictability to atrophic maxilla cases, as an alternative to grafting procedures.

## Helix GM® Long Solution for bicorticalization



"The use of long implants may avoid more complex solutions, like bone grafting procedures, with a minimal invasive approach that can even represent a reduction in treatment time."

DR. LUIS EDUARDO PADOVAN



## Zygoma GM™ Implant for zygomatic anchorage

### 1. GRAND MORSE® CONNECTION

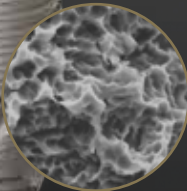
- All benefits of the original 16° Morse taper GM connection designed to ensure a tight fit for an optimal connection seal.
- Straight head designed to bring flexibility to the implant positioning.

### 2. IMPLANT DESIGN

- Tissue protect portion without threads for a friendly contact with the mucosa.
- Progressive increase of the thread depth at the apical area.

### 3. COMPREHENSIVE PORTFOLIO

- 4.0 mm of diameter.
- Ten different lengths: 30 / 35 / 37.5 / 40 / 42.5 / 45 / 47.5 / 50 / 52.5 / 55 mm.



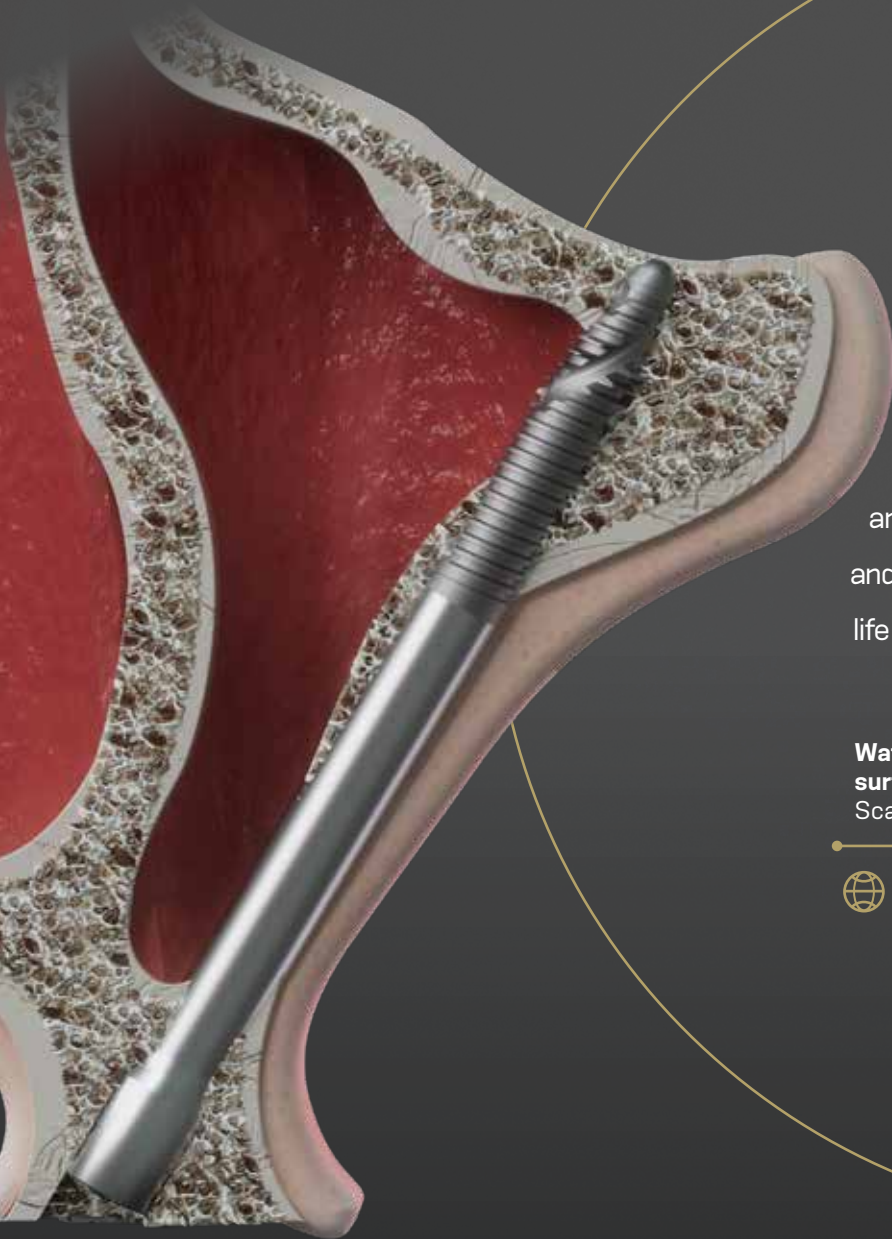
**NeoPoros**

**"The new design of the ZygomaGM™ implant has been developed to increase surgical predictability and reduce complexity in Zygomatic surgeries."**

**DR. GENINHO THOMÉ**

# GM Zygoma-S

Greatness in severe atrophic maxilla cases



The Neodent® GM Zygoma-S features the unbeatable versatility of Helix® Grand Morse® to high primary stability<sup>[2]</sup> for long-term success. Additionally, to the combination of remarkable features, the Neodent® GM Zygoma-S offers an anatomical friendly relation, soft tissue preservation and versatile treatment options, resulting in quality of life by immediately restoring function and esthetics<sup>[7]</sup>.

Watch a video of how the smooth surface can optimize clinical results  
Scan the QR or visit the link below:



[neodent.com/zygoma-s\\_surface](https://neodent.com/zygoma-s_surface)



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.

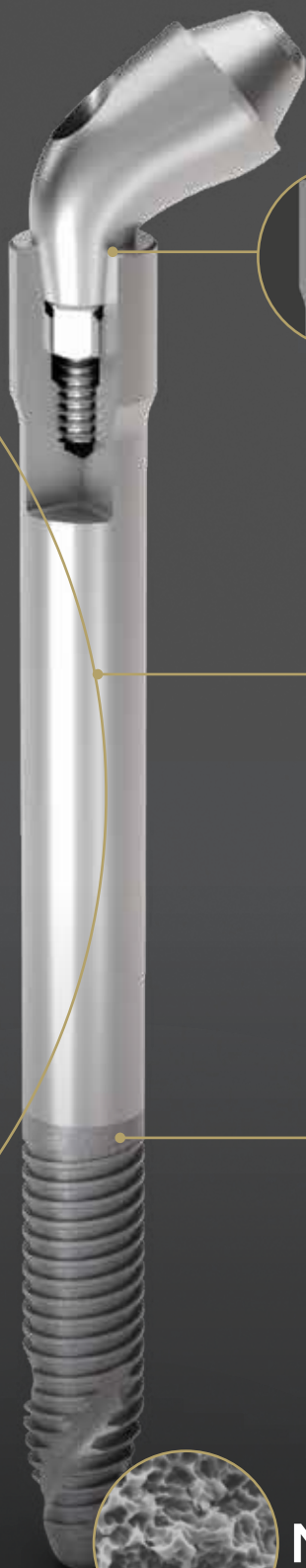
— DR. RIAD ALMASRI —



Scan the QR or visit the link below and learn more about this **unique feature**:



[neodent.com/zygoma-s\\_implant](https://neodent.com/zygoma-s_implant)



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

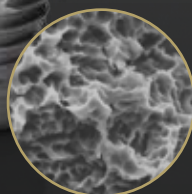
- One prosthetic connection for all Grand Morse® Implants: ease of use.
- 16° Morse Taper connection: designed to ensure a tight fit for an optimal connection seal.
- Platform switching morse taper connection: fulfils the platform switching concept.
- Deep Morse taper connection: designed for optimal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

#### **IMPLANT DESIGNED TO PROVIDE VERSATILE POSSIBILITIES OF PLACEMENT<sup>(8)</sup>, RESULTING IN ANATOMICAL EFFICIENCY**

- Implant designed to extra maxillary or intra sinus cases.
- Associated with regular implants or Quad Z placement.
- 3.5mm and 3.75mm of diameter.
- Smooth Machined Surface in the implant body maintains soft-tissue preservation<sup>(6)</sup>.
- Coronal portion with 4.3mm of diameter designed to ensure resistance and a tight fit for an optimal connection seal.
- Ten different lengths: 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, potentializing the 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.



**NeoPoros**

Visit our website to get further information about **Zygoma-S**.



[neodent.com/zygoma-s](https://neodent.com/zygoma-s)

# PROSTHETIC VERSATILITY

The Neodent® Grand Morse® restorative portfolio offers optimal abutments angulations and a broad range of gingival heights is designed to attend different clinical needs. It allows to reach immediate function and esthetics, regardless of the maxilla atrophy level.

## Mini Conical Abutment

Several gingival heights and angulations combined with an anatomical shape, short cone and wide angle, resulting in an optimized emergence profile.

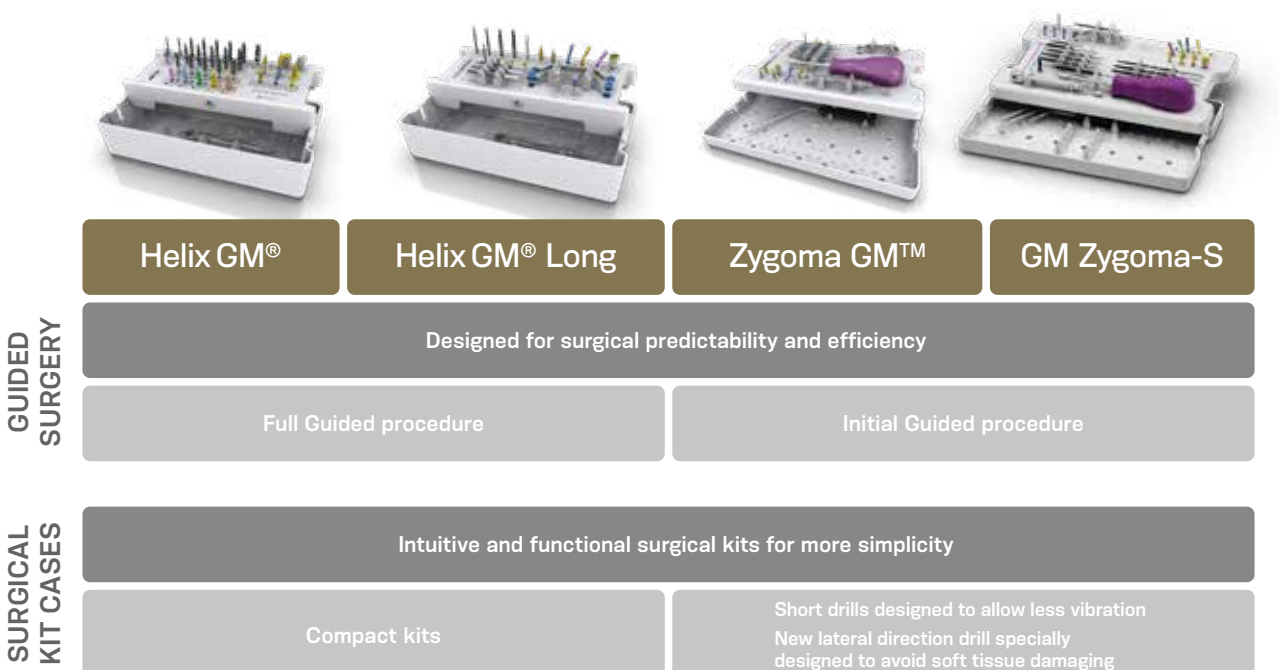


\*The 45° Mini Conical Abutment is indicated for use only with Helix GM® Long and Zygoma GM™.

\*\*The 60° Mini Conical Abutment is indicated for use only with Zygoma GM™.

# SURGICAL SIMPLICITY & PREDICTABILITY

Neodent® provides a complete range of products designed to bring simplicity to the dental practice and predictability during the surgeries.



# Neodent DirectFit Screw

## Fit and finish, digitally

Fit the prosthesis directly on the Multi-Unit Abutments with the Neodent DirectFit Screw, delivering unparalleled accuracy and reliability — the precision essential for digital workflows.



### ACCURACY AND RELIABILITY THROUGH ENGINEERED EVIDENCE:

- 0.8 mm thickness designed to promote resistance and reliability over time;
- Precise workflow from planning to milling, available for exocad®, 3Shape®, and Cares® Visual.

### FAST-TRACK DIGITAL RESTORATIONS WITH IMPROVED WORKFLOW EFFICIENCY:

- Reduce the number of clinical and lab steps along the way;
- Reduce chairtime and turnaround time when compared to existing workflows with titanium copings linked to the restoration.

### SCALE UP YOUR BUSINESS WITHOUT THE COMPLEXITY OF TRADITIONAL METHODS:

- Expand the potential of your financial resources: predictable restorations, with less manual adjustments and no coping debonding failures;
- Explore different raw materials combined with a wide range of Neodent® implant lines.



### RESTORATION MATERIALS:



PMMA



Zirconia



SRBB



Discover how Neodent  
DirectFit Screw can be used.  
Scan the QR code!

# NEODENT AS YOUR DIGITAL PARTNER

Digital workflows enhance accuracy and consistency, ensuring predictable outcomes while saving time and elevating the patient experience

## CAI

### Straumann® Exact

Straumann Exact compatible with Neodent it's a physical connections between scanbodies that improve IOS accuracy and enhance precision for full-arch scanning, overcoming the limitations of traditional scanbodies.



## Surgical Planning

### Straumann® Smile in a Box

Neodent offers its solutions as a partnership with the Straumann® Smile in a Box® initiative, delivering all components in a single, streamlined box.



# COMPREHENSIVE RESTORATIVE SOLUTIONS

Meet patient expectations with different possibilities of workflows and materials: customize frameworks for provisional or final restorations.

## Centralized Production Center\*

Provisional fixed prosthesis  
Neodent DirectFit Screw



Final fixed prosthesis  
Straumann® CARES®/Cratech Medical



\*Check availability in your region

## In-house CAD/CAM Solutions

Provisional fixed prosthesis  
NeoConvert™ with RevEx  
Neodent DirectFit Screw



Final fixed prosthesis  
Straumann® M series/ Zirkonzahn M4  
For library downloads, please go to:  
[www.neodent.com/cadcam](http://www.neodent.com/cadcam)



## Conventional Manufacturing Solutions

NeoConvert™  
Provisional fixed prosthesis  
Mini Conical temporary coping  
Mini Conical distal bar coping



Final fixed prosthesis  
One Step Hybrid

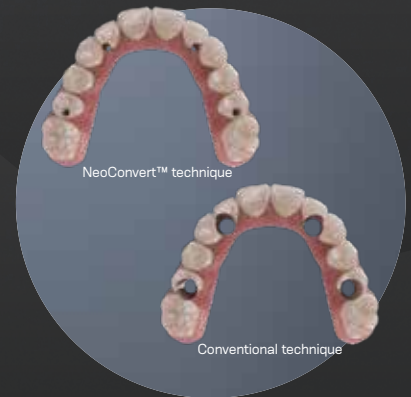
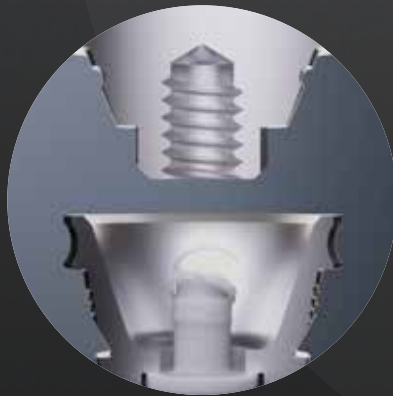


## THE NEODENT<sup>®</sup> TECHNIQUE FOR IMPROVING THE CONVERSION FROM REMOVABLE TO FIXED DENTURES.



The challenges in this journey are directly related to decreasing the time for fixed teeth, and improving comfort during the procedures while keeping treatment affordability. All these aspects are crucial for decision-making, and the technique of choice has a relevant impact on the journey.

NeoConvert<sup>TM</sup> delivers a different way to transform smiles: a first step to full arch immediacy developed to enable temporary treatment with lower chair time and greater predictability with a straightforward workflow, whether performed chairside or in the lab.



### THE FIRST STEP FOR IMMEDIACY: SIMPLE AS IT SHOULD BE

NeoConvert<sup>TM</sup> is a game-changing technique to convert removable to fixed dentures: the simplicity in every step for immediacy.

### IMMEDIATE FULL ARCH TREATMENT: ONE STEP CLOSER TO EFFECTIVENESS

NeoConvert<sup>TM</sup> values your chair time with efficiency: full conversion technique in your hands with a straightforward workflow.



## REVEX BY NEODENT® RELIABLE DIGITAL SOLUTIONS FOR FULL ARCH

### Reliable digital solutions for precise full arch treatments<sup>(9)</sup>

The ever-growing technological advancement of digital solutions is shaping the future of the dental industry, and thus acting as a driving force to seek constant evolution with innovative solutions. This leads to the purpose of delivering faster and more accessible treatments powered by technology and services.

With the above in mind, the Neodent® RevEx is designed to enable an efficient digital workflow to deliver the final prosthesis for full arch cases, offering the practicality of a precise scan using the patient's temporary prosthesis as reference, with the convenience of an extra-oral workflow. Connect the main features of the NeoArch® portfolio through a simplified digital process.

### Reduce time to mouth for the delivery of the final prosthesis

Ensure patient comfort by reducing the number of visits required for prosthesis installation. With no additional steps required, RevEx offers a time reduction of 40%.<sup>(10)</sup>



#### 1<sup>st</sup> appointment

Scan in the dental office and produce the temporary restoration and verification jig at the lab.



#### 2<sup>nd</sup> appointment

Prototype try-in and verification jig at dental office and produce the final restoration at the lab.



#### 3<sup>rd</sup> appointment

Delivery of the final restoration.



Discover the RevEx by Neodent®

Play or scan the QR and watch the video

Unique surface treatment designed for optimal and efficient scanning accuracy.



The same interface of Neodent® Mini Conical Abutments. Designed to fit into the prosthesis.

# A REMOVABLE OPTION FOR STABLE SMILES.

Implant-retained dental prosthesis should be considered the first choice for edentulous rehabilitation as it results in better oral function and quality of life for compared to conventional dentures.<sup>(11-14)</sup>

Since edentulism primarily affects the aging and economically disadvantaged population<sup>(15-18)</sup>, implant supported overdentures allow for an affordable treatment option that leads to substantial improvement in patient's quality of life and oral function.

The Neodent® Attachment TiN solution for removable prosthesis is designed to maximize flexibility and reliability.

- FLEXIBILITY ON ORIGINAL CONNECTION
- RETENTION RELIABILITY MADE SIMPLE
- 0°, 15° AND 30° OPTIONS FOR ANGULATED ADAPTABILITY

NEW  
ITEM



## A REMOVABLE SOLUTION OPTION ON MULTI-UNIT ABUTMENTS

Transform your Mini Conical Abutments into a removable solution with the Coping for Removable Prosthesis.

# CLINICAL CASES



## DR. EVELYN LACERDA JURI

- Master in Implant Dentistry - São Leopoldo Mandic
- Coordinator and professor of the specialization course in Implant Dentistry - FUNORTE

### AN ESTHETIC AND FUNCTIONAL FULL-ARCH TRANSFORMATION WITH THE IMMEDIATE LOADING REHABILITATION PROTOCOL



Initial clinical aspect, buccal view.



Clinical aspect after the GM Mini Conical Abutment installation, with 20 N.cm of torque for the angled and 32 N. cm for the straight abutments.



Clinical aspect of the definitive prosthesis installed.



Radiographic aspect of the definitive prosthesis installed, 2 days after the surgery.



#### CHECK OUT THIS FULL CLINICAL CASE

Scan the QR code or visit the link below to access it:

 [neodent.com/neoarch-cc1](https://neodent.com/neoarch-cc1)



## DR. RIAD ALMASRI

- Prosthodontic Specialist - Nova Southeastern University
- NSU College of Dental Medicine Adjunct Faculty
- 1on1 Implantology™ CEO/Founder

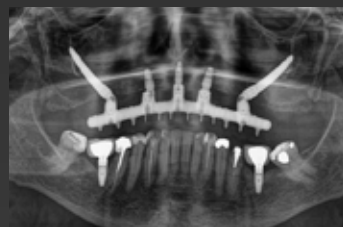
### ATROPHIC MAXILLA REHABILITATION WITH IMMEDIATE LOADING USING GMTM ZYGOMA-S IMPLANTS ASSOCIATED WITH HELIX GM®.



Initial panoramic radiographic of the patient.



Clinical aspect after installing two GM Zygoma S and 3 Helix GM. Occlusal view.



Final radiographic aspect, post-surgical.



Post-surgical clinical aspect with prosthesis installed, vestibular view, seven days follow-up.



#### CHECK OUT THIS FULL CLINICAL CASE

Scan the QR code or visit the link below to access it:

 [neodent.com/neoarch-cc2](https://neodent.com/neoarch-cc2)

# Smile through life.



Neodent® is a global brand founded by a dentist for dentists, with the purpose of **changing lives**. Available in **95 countries**, with a legacy of **more than 30 years** focused on ease of use, **Neodent® Dental Implant Systems** focus on **progressive treatment concepts**, such as **immediacy with modern and reliable solutions** to enable therapy access and affordability for **creating new smiles every day**.



## GLOBAL BRAND

Available in 97 countries, expanding our philosophy worldwide.



## FOUNDED BY A DENTIST FOR DENTISTS

A legacy of more than 30 years focused on ease of use.



## PROGRESSIVE TREATMENT CONCEPTS

Modern and reliable solutions.



## THERAPY ACCESS AND AFFORDABILITY

Accessability to proven and affordable solutions.

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