

A NEW MINDSET

NEODENT®
CERAMIC IMPLANT SYSTEM



ZiLock®
Connection



NEW
**Guided
Surgery**



NEW
**Surgical
MultiKit™**



**Ceramic
Implant System**



Ceramic Implant System

Increasing expectations for treatments solutions, the Neodent® Ceramic Implant System combines the notions of esthetic, stability, and flexibility.

This solution allows to immediately treat patients, thanks to the moderns naturally tapered design and wide prosthetic portfolio, achieving high-end esthetic results.





A new **mindset**



A new flexibility mindset



A new stability mindset



A new esthetic mindset



A new **flexibility mindset**

Looking to attend several treatments solutions and a wide range of prosthetic possibilities through a 2-pieces connection.



TREATMENT FLEXIBILITY

A new concept in flexibility offering several solutions for treatment, from conventional to digital workflow, attending bone types I to IV with outstanding esthetics.



Ø 3.75 mm



10.0 mm
11.5 mm
13 mm

Indicated for
incisor and canines.



Ø 4.3 mm



10.0 mm
11.5 mm
13 mm

Indicated for
all mouth regions.



PROSTHETIC FLEXIBILITY

The 2-pieces connection benefits the customer allowing to choose the best prosthetic solution.

A user-friendly system that provides higher treatment flexibility when compared to one-piece implants.



Zi Base



Single-unit screw-retained
prosthesis



Single-unit cement-retained
prosthesis



Ø 3.75/4.5 mm



Zi Base for c



Single-unit screw-retained
prosthesis



Single-unit cement-retained
prosthesis



Ø 4.65 mm



Zi CR Abutment



Single-unit cement-retained
prosthesis



Ø 4.0/4.5 mm



A new **stability mindset**

Zi combines a naturally tapered implant design with double trapezoidal threads. Both designed to maximize stability and predictability in immediate treatments.



ZILOCK® CONNECTION

ZiLock® is a ceramic internal connection with 6 rounded lobes. This indexation results in a precise abutment positioning, protecting against rotation. Designed with a longer screw which provides a secure engagement between the ceramic implant and the ceramic abutment. Additionally, it improves the ceramic performance by optimizing the force distribution along the internal connection.



TAPERED DESIGN FOR PRIMARY STABILITY

Ceramic Implant System exhibits a modern tapered geometry designed for predictable immediate load in bone types I to IV. This feature was designed to mimic the tapered shape of a natural tooth root, driving to achieve high primary stability.



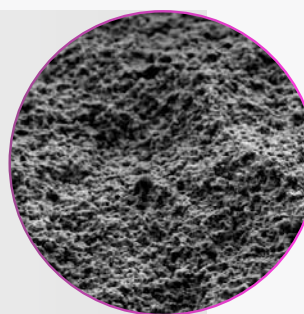
Apically tapered with chamber flutes.



Double trapezoidal thread design.

PREDICTABILITY WITH A SAND-BLASTED AND ACID-ETCHED SURFACE

Zi features the blasted and acid-etched surface treatment, presenting macro and micro roughness based on the successful Neoporos® treatment surface.



Representative image of the implant surface - Scanning Electron Microscope (SEM) magnification of 5000x.



A new esthetic mindset

Seeking for an outstanding esthetic performance, Zi offers, from the material itself, Ceramic, to the comprehensive portfolio, a natural esthetic result.

OUTSTANDING ESTHETIC PERFORMANCE

Aiming to deliver performance with a high-end esthetic result, Neodent Ceramic Implant System features an outstanding ceramic material, that provides a **natural looking outcome**, thanks to its white color

A PORTFOLIO TO ACHIEVE NATURAL ESTHETIC RESULTS

Ceramic prosthetic portfolio allows conventional or immediate protocol. In addition, preferable workflow can be applied from **conventional to digital**, providing a natural looking restoration.



Healing Abutment

Designed in Ceramic with a consistent emergence profile matching the outer shape of the Zi Base.



Conventional Workflow

The burn-out coping is developed to deliver accurate wax up prosthetic restoration in a conventional workflow.



Digital Workflow

The Scanbody allows access to the digital restorative workflow for implant level. This solution is compatible with the main CAD softwares in the market.

NEW SOLUTION

Zi Guided Surgery:

Precision and predictability
with outstanding esthetic results

When it comes to ceramic implant systems, the guided technique contributes to achieve esthetic results with predictability and confidence in treatment decisions.

Considering the precise positioning and the combination of ceramic material with soft tissue preservation, the guided protocol is efficient, predictable, and patient-friendly compared to conventional surgical methods.





Efficient and adaptable
with no need for multiple kits

The new Neodent® Zi MultiKit™ is an all-in-one kit designed for both conventional and guided protocols, allowing a more organized, efficient, and adaptable surgical environment.



Fully-guided and one-handed procedures featuring a physical drill stop

The surgical drills are specifically designed to perform the procedure with no need for drill handles, allowing the insertion of the drills directly in the surgical guide. This increases the simplicity of the technique by reducing the number of instruments required.



PREDICTABILITY

Advanced planning and guided protocol to achieve desired clinical outcome.



PRECISION

Precise drilling and implant placement.



EFFICIENCY

Reduced need of decision-making during the surgical protocol.

Complete digital workflow for Zi Ceramic Implant System

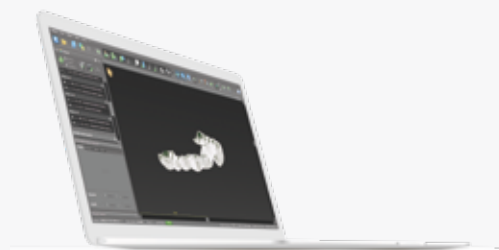
Advanced imaging technologies enable detailed planning, offering a comprehensive view of the patient's anatomy for precise implant placement, increasing predictability and safety.



1)

DATA ACQUISITION

Planning a dental surgery begins with obtaining patient data from tomography, digital photos, and intraoral scanning.



2)

VIRTUAL PLANNING

The 3D data set can be imported directly into commercially-available planning software and overlaid with the dental tray extracted from the scanners.



4)

SURGICAL PROCEDURE

A straightforward and fully-guided technique with high-level precision, predictability, and efficiency to achieve functional and esthetic outcomes.



3)

SURGICAL GUIDE PRODUCTION

The Neodent® Zi Implant System offers guided surgery options for both sleeve and sleeveless techniques. It is important to correctly select the available solution's library on the planning software.

5)

PROSTHETIC RESTORATION

Digital prosthetic creation to deliver a reliable and natural-looking esthetic solution.



Improved communication between clinicians and patients

Most patients who decide to move forward with treatment prefer to be actively involved in the decision-making process.

By having clear discussions about the ideal treatment plan, benefits, and alternatives, it is possible to significantly improve patient understanding and confidence.

The ability to visualize anticipated results helps to confirm the value of their treatment choice, motivating and increasing satisfaction.

 Zi Guided Surgery
Get started:



Clinical Case with Zi Ceramic Implant System



DR. GENINHO THOMÉ

CEO of Faculdade ILAPEO
Scientific President of Neodent®
Master and PhD in Implantology
Chairman of the Board of Directors of Neodent®

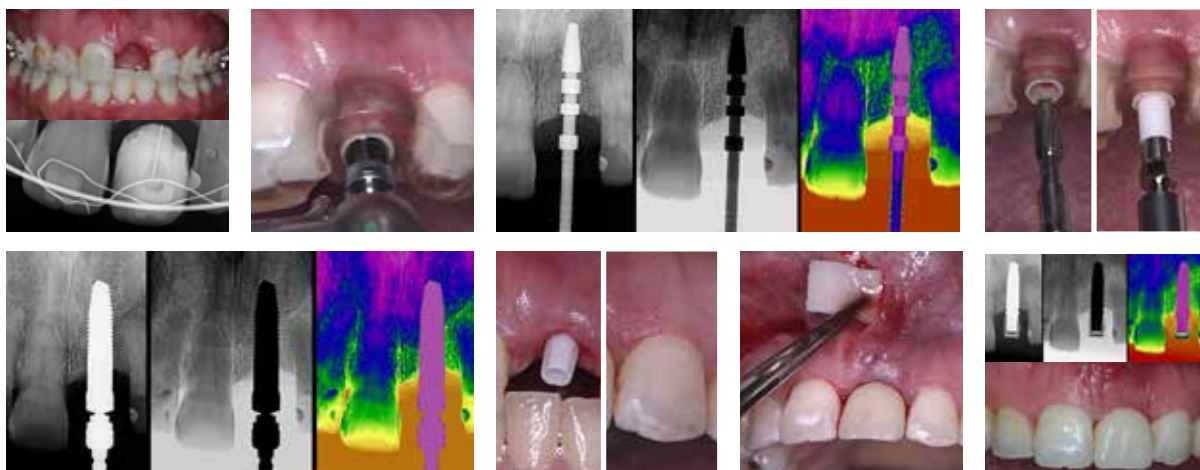
Collaborating team:

Dra. Carolina Accorsi Cartelli
Dr. Jean Uhlendorf
Dr. Sérgio Rocha Bernardes

GUIDED REHABILITATION WITH ZI IMPLANT IN THE ESTHETIC AREA POST-ORTHODONTIC TREATMENT

Patient with no health problems, nonsmoker, surgical risk classification ASA I, presented with authorization from orthodontic treatment and need for rehabilitation of the edentulous region of 21. Intra-oral scanning and computed tomography were performed for bone assessment and surgical planning.

Neodent® Materials



Check out:
Zi Clinical Case



Surgical procedure:

The procedure was performed under local anesthesia using the locoterminal infiltrative technique. The surgical guide with the sleeve was positioned on all the teeth in the upper arch and the surgery was performed flapless using the Zi MultiKit. It began with the 3.75mm Mucosal Punch, preparation of the bed with the

Bone Leveling Drill, followed by drilling with the initial drill, Ø2.0, 3.5, 3.75 and the 3.75mm Bone Tap. The Zi 3.75 x 13mm ceramic implant was then placed with a final torque of 45 N.cm. After removing the surgical guide, a Zi CR Abutment was installed with 32 N.cm of torque.

Global synergy
to achieve bigger results



Combining Neodent® strengths in dentistry with our philosophy of immediacy and Brazilian innovation, we join forces with German technology leadership, and also rely on the precision of Swiss engineering to deliver a straightforward ceramic implant system for dentists and patients.

Smile through life.



A Straumann Group Brand

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 95 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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