

A NEW MINDSET
NEODENT® CERAMIC IMPLANT SYSTEM



ZiLock®
Connection



NEW
Guided
Surgery



NEW
Surgical
MultiKit™

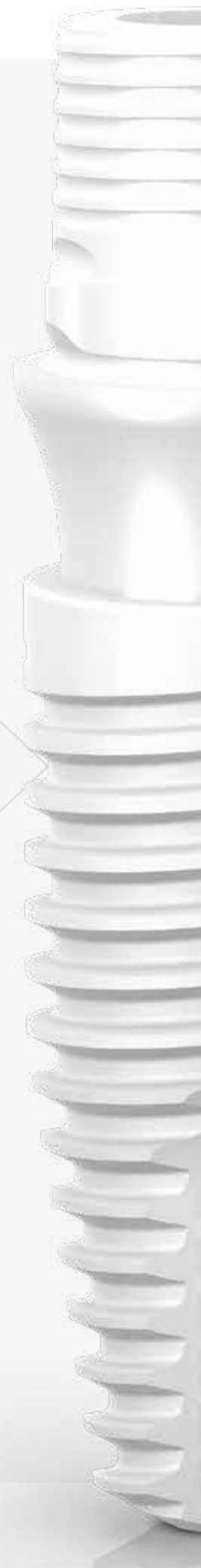


Ceramic
Implant System



Ceramic Implant System

Increasing expectations for esthetic treatments, the Neodent® Ceramic Implant System combines the notions of flexibility, stability, and esthetics. The two-piece system with a Ceramic implant and Ceramic abutment solution retained with a titanium alloy screw, allows an immediate loading protocol when good primary stability is achieved along with physiological occlusal loading, thanks to the modern naturally tapered Ceramic implant design. The system features a comprehensive Ceramic prosthetic portfolio to maximize stability and predictability in immediate treatments.





A new **mindset**



A new flexibility mindset



A new stability mindset



A new esthetic mindset



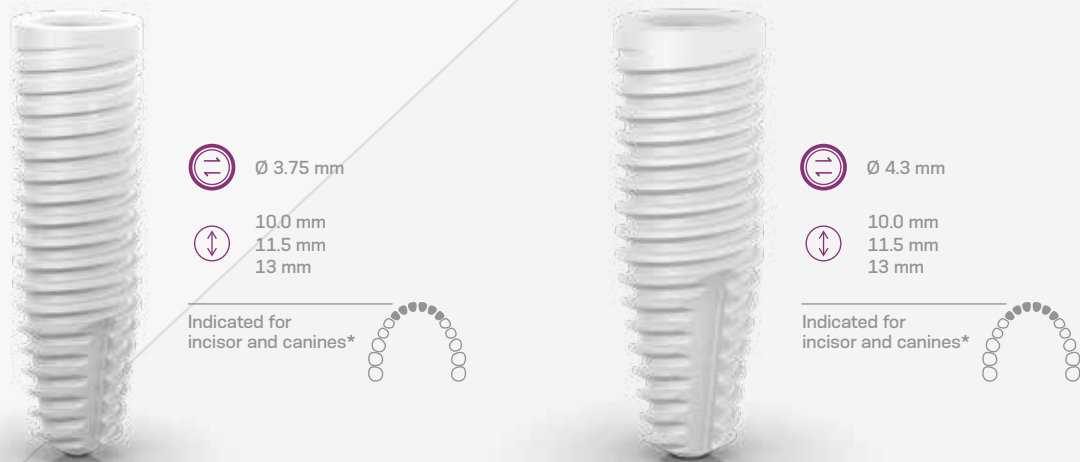
A new **flexibility** mindset

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.



**Warning small diameter implants and angled abutments are not recommended for the posterior region*

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 CR Abutment



Single-unit cement-retained prosthesis

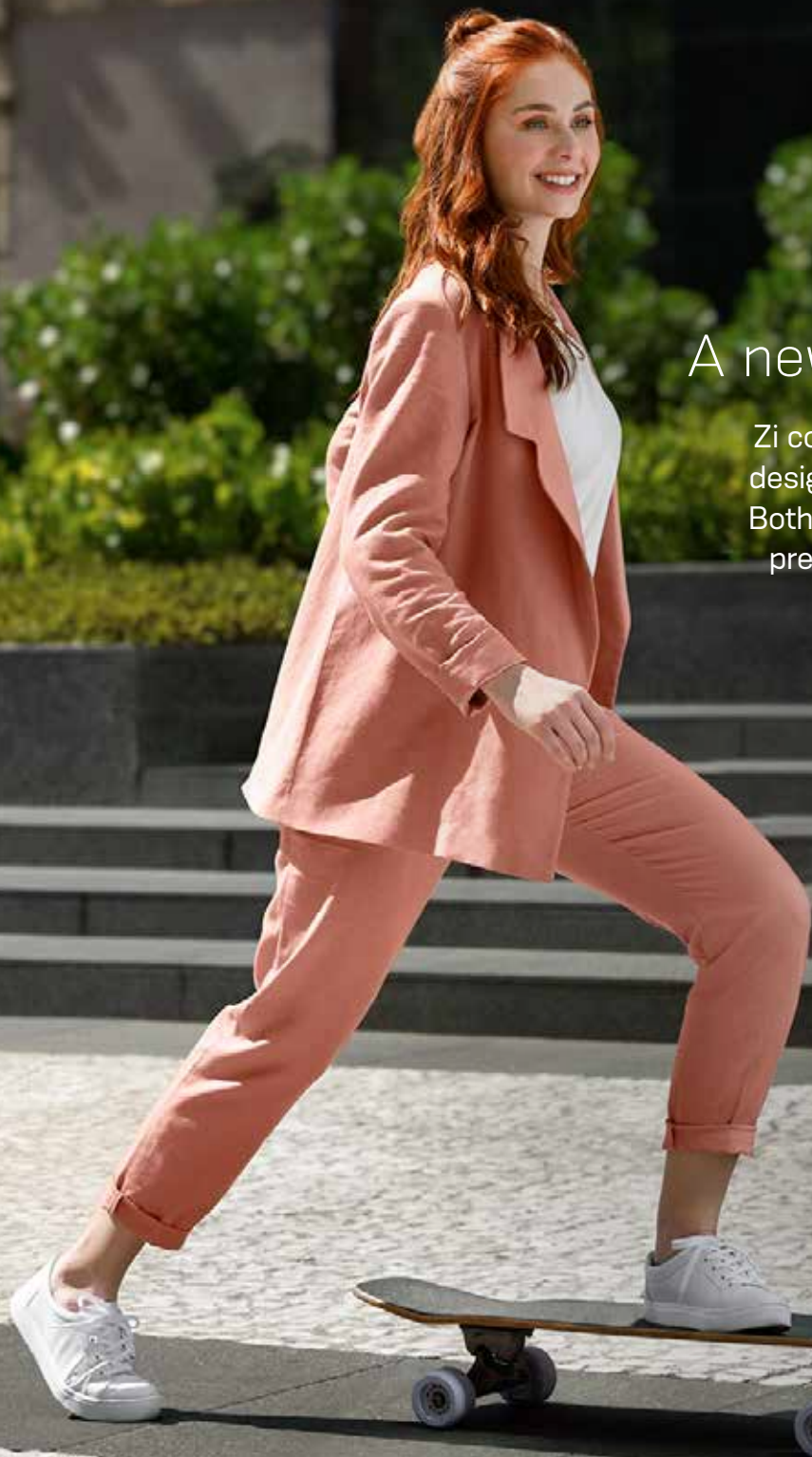


Ø 4.0/4.5 mm



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 supports 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.



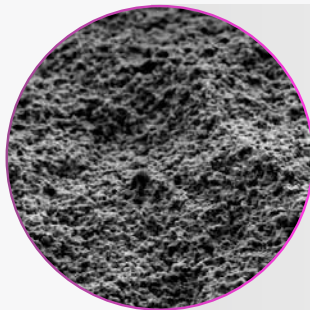
Apically tapered with chamfer flutes.



Double trapezoidal thread design.

TAPERED DESIGN FOR PRIMARY STABILITY

The Ceramic Implant System exhibits a modern tapered implant geometry designed for predictability with double trapezoidal threads. This feature was designed to mimic the tapered shape of a natural tooth root, driving to achieve high primary stability.



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

PREDICTABILITY WITH SAND-BLASTED AND ACID-ETCHED SURFACE

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



A new esthetic mindset

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

OUTSTANDING ESTHETIC PERFORMANCE

Aiming to deliver performance with a high-end esthetic result, Neodent Ceramic Implant System features an outstanding ceramic material, which supports the reconstruction due to its **color that mimics natural teeth** and benefits from a high translucency compared to metals.

A PORTFOLIO TO ACHIEVE NATURAL-LOOKING ESTHETIC RESULTS

Ceramic prosthetic portfolio allows conventional or immediate protocol. In addition, preferable workflow can be applied from **conventional to digital**, the tools to support a natural-looking esthetic result.



Healing Abutment

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



Hybrid Repositionable Analog

Features a design compatible with digital or conventional workflow.



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.

**All digitally designed copings and/or crowns to be used with the Neodent Zirconia Base Abutment System are intended to be sent to Straumann for manufacture at a validated milling center.*

NEW SOLUTION

Zi Guided Surgery: Supporting precision and predictability

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

Clinical literature reports the degree of precision obtained when placing dental implants in partially edentulous patients with guided surgery techniques is greater than with freehand surgery.*



MultiKit 

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.

*Araujo-Corchado, E., & Pardal-Peláez, B. (2022). Computer- guided surgery for dental implant placement: a systematic review. *Prosthesis*, 4(4), 540-553.



Guided

GUIDED

Conv

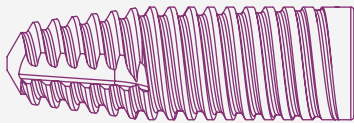
CONVENTIONAL

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.

LENGTH MARK

Active portion matching implant length and laser-marked information for conventional protocol.



DRILL STOP

Built-in drill stop for physical depth control for guided protocol.

DIAMETER

● Ø3.75 ● Ø4.3

User-friendly color-coded system according to implant diameter.



PREDICTABILITY

Advanced planning and guided protocol to support achievement of the desired outcome



PRECISION

Advanced planning and guided protocol to support achievement of the desired clinical outcome.



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 to support implant placement.



1)

DATA ACQUISITION

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



2)

VIRTUAL PLANNING

Implant positioned respecting the patient's anatomy and prosthetic outcome. Neodent Zi Guided is compatible with major software.

4)

SURGICAL PROCEDURE

A straightforward and fully-guided technique.

3)

SURGICAL GUIDE PRODUCTION

The surgical guide must contain the sleeves that guide the instruments and the implants.



5)

PROSTHETIC RESTORATION

Digital prosthetic creation.*



*All digitally designed copings and/or crowns to be used with the Neodent Zirconia Base Abutment System are intended to be sent to Straumann for manufacture at a validated milling center.

Improved communication between clinicians and patients

Guided Surgery technique, including Neodent Zi Guided, offers a clear communication tool to address patients.

Having clear discussions about the ideal treatment plan, benefits, and alternatives may help improve patient understanding and confidence.



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

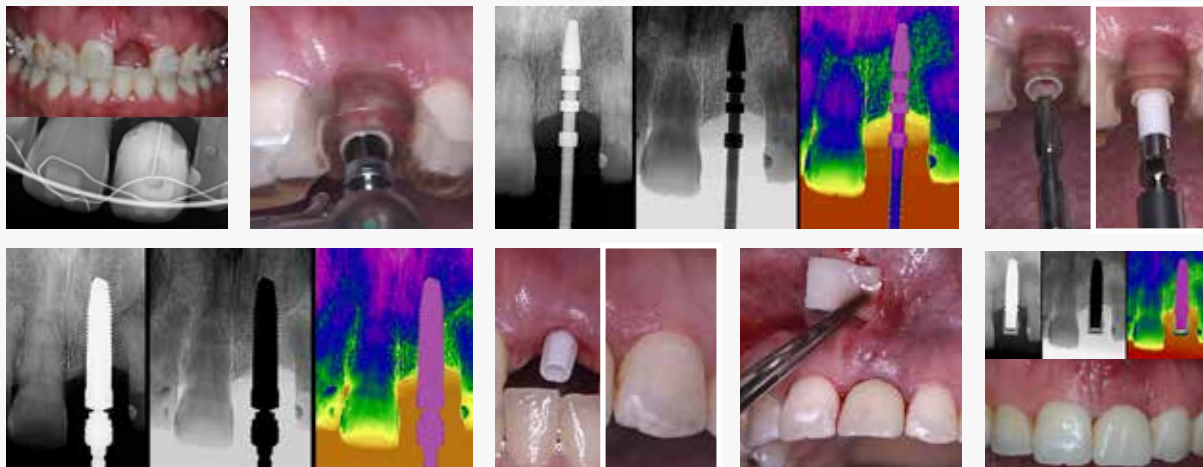
Dr. Jean Uhlendorf

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



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.

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NUOVI SORRISI OGNI GIORNO

CHAQUE JOUR DE NOUVEAUX SOURIRES

новые улыбки каждый день

JEDEN TAG EIN NEUES LÄCHELN

NUEVAS SONRISAS TODOS LOS DÍAS

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NEW SMILES EVERY DAY

NOVOS SORRISOS TODOS OS DIAS



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