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axiom® MULTI LEVEL®



Implant solutions



Anthogyr
A Straumann Group Brand

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Welcome to Anthogyr

Anthogyr is a French designer and manufacturer of innovative implant and prosthetic solutions. With more than 70 years of industrial expertise in medical devices, we are recognized for our high-performance solutions and strong capacity of innovation.

Virtual visit of
the Anthogyr site

Axiom® Multi Level®
When convenience meets expertise...

Axiom® Multi Level® is an exclusive combination of Bone and Tissue Level philosophies with Axiom® BL and Axiom® TL implants, allowing clinicians to offer the most appropriate treatment for each patient based on biological and esthetic concerns. Axiom® was engineered to answer all practitioners needs, with long term predictable clinical success. This high quality implant system is completely prosthetic driven, with a strong focus on customized prosthetics, illustrated by high added value innovations for Simeda® CAD/CAM solutions. From simple to more challenging procedures, covering a large scope of indications and patients needs, enjoy Axiom®.







axiom® MULTI LEVEL®

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Axiom® Multi Level® at a glance



2 PHILOSOPHIES

AXIOM®
TISSUE LEVEL

AXIOM®
BONE LEVEL



PX REG

2 BODY PROFILES

With more than 10 years of clinical success, Axiom® implant system is designed to democratize the practice of implantology thanks to accessible protocols and a prosthetic driven philosophy.

To cover most bone situations, with the conveniency of one single surgery kit

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Axiom® BL

Endosseous implant designed for biological integration

Axiom® BL is a user-friendly and intuitive bone level implant system gathering state-of-the-art features of modern implantology.

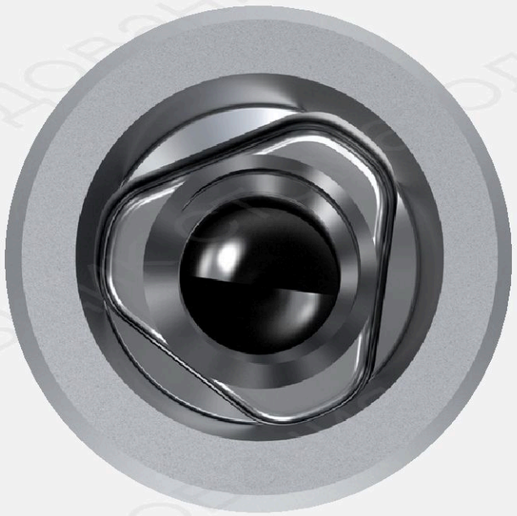


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HARD AND SOFT TISSUES PRESERVATION

The "**Platform Switching**" design allows the development of a gingival sleeve and hard tissue stability, for predictable long term esthetic results.(1)

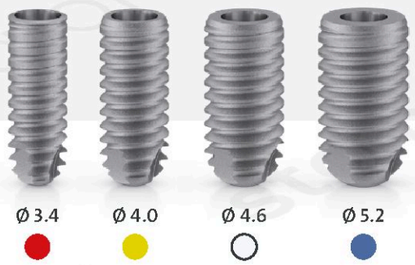


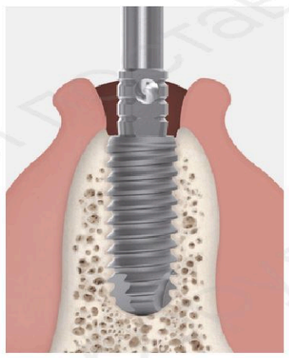


SINGLE CONICAL CONNECTION

The Axiom® BL conical connection is unique for all implant diameters, offering a great flexibility for prosthetic restorations.

The morse type sealed internal conical connection of Axiom® BL implants is designed to achieve an homogeneous distribution of mechanical constraints and to limit bacterial infiltration.





ESTHETIC MANAGEMENT FACILITATED

Subcrestal placement in combination with sandblasted neck is associated with very limited bone loss(1). You also have the flexibility to choose between 1 or 2 step surgery, according to indications.



(1) Esposito M, Salina S, Rigotti F, et al. Multicentre within-person randomised controlled trial of 0.5 mm versus 1.5 mm subcrestal placement of dental implants with internal conical connection Five-year post-loading results. Clinical Trials in Dentistry 2020;2(3):77–89.

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Axiom® TL, Tissue Level
Transgingival implant designed for biological safety





RESPECT FOR BIOLOGICAL PROCESSES

+ **Safe prosthetic approach at gingival level**
  - Total absence of bacterial infiltration at gingival level.
  - Lower risk of peri-implantitis.
+ **Epithelium and connective tissue attachment preserved**
  - Respect for the physical and physiological barriers.
  - Soft tissue stability.
  - Simplified access in posterior: impression and prosthetics.
+ **One-step surgery**



PROSTHETIC COMFORT

+ **Double connection**
  - inLink® innovative connection for multiple screw-retained restorations direct on Axiom® TL.
  - Conventional connection and trilobe index for single prosthesis.
+ **Possible evolution from single to plural**
+ **Comfortable handling of the prosthesis for natural-looking emergence profiles**
+ **Choice of neck profiles**

OPTIMAL TISSUE MANAGEMENT

+ **Maximized tissue volume**
  - **Tissue Favored Design** anatomical profile of implant neck.
  - Promotes tissue organization in gingival sleeve.
  - Epithelium stabilization.



+ **All indications covered thanks to 6 gingival profiles available**
+ **Smooth surface: optimal contact with gingiva**



3 neck heights

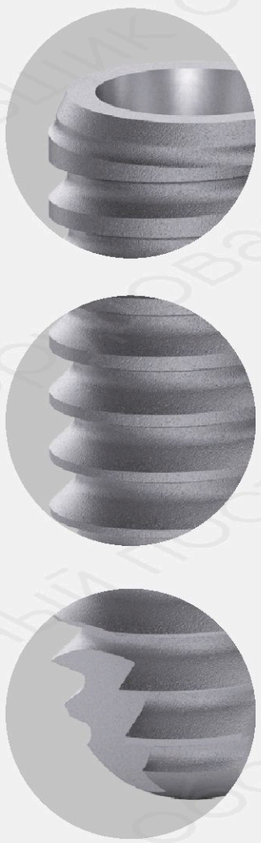
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2 body profiles for all bone situations

Axiom® BL is available in REG and PX profiles, allowing practitioners to adapt smoothly to various clinical situations thanks to a single surgery kit and common instruments for both profiles.





REG PROFILE

Parallel walls implant, all bone types, most clinical indications

+ Straight threaded neck
Designed for optimized primary bone anchorage.

+ Cylindrical-conical shape
Progressive compression.
Controlled and guided insertion.

+ Asymmetrical threads
Self tapping apex.
Progressive anchorage.

+ Rounded apex
Gentle shape when approaching the sinus.





PX PROFILE

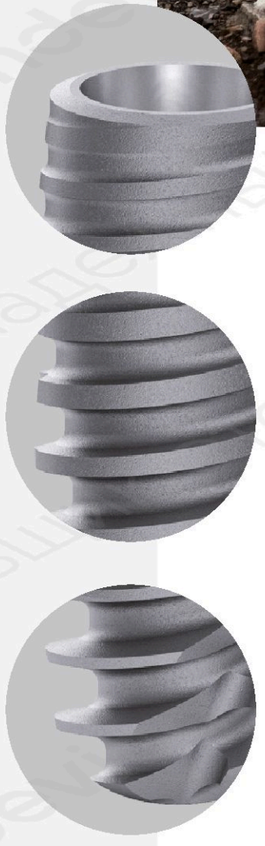
Apically tapered implant, designed for immediate post-extraction placement

+ Reversed conical neck
Preservation of cortical bone volume.

+ Tapered design
Designed for initial stability in low-bone density.

+ Deep symmetrical double thread
Guiding effect, fast bone penetration.
Self-drilling and self-tapping.

+ Biting apex
Designed for optimal anchorage on the apical portion.



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Ultra-designed kit and environment for comfort and efficiency





ONE SINGLE COMPACT SURGICAL KIT

The Axiom® Multi Level® surgery kit is common to Axiom® BL and Axiom® TL, REG and PX profiles. The protocols are simple, and you enjoy the flexibility of adapting the implant choice until the last moment of surgery, according to the clinical situation. The intuitive color codes and the clear organization of the instruments make Axiom® Multi Level® surgical kit user-friendly for simple and efficient protocols.



SMART IMPLANT PACKAGING

Axiom® implants are protected by a patented smart packaging, allowing intuitive opening with one hand and direct handling with contra-angle. The colour codes facilitates identification of the implant diameter. The possibility to reposition the implant into its packaging facilitates surgical procedures.

Watch Axiom® packaging video

A SIMPLE RANGE TO COVER ALL INDICATIONS

2 implant philosophies - BL & TL
2 profiles - REG and PX
4 diameters - 3.4, 4.0, 4.6 and 5.2 mm
7 lengths - 6.5, 8, 10, 12, 14, 16 and 18 mm
3 TL neck heights - 1.5, 2.5 and 3.5 mm







Cool to know!

To place a REG profile implant, follow the drills until the implant packaging color code!

ERGONOMIC DRILL STOP KIT FOR SAFER SURGERIES

Axiom® drill stop kit* allows to control drilling depth easily thank to top pick-up with contra-angle, anti-falling system and a color coding facilitating identification.



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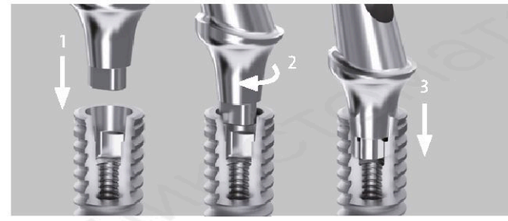
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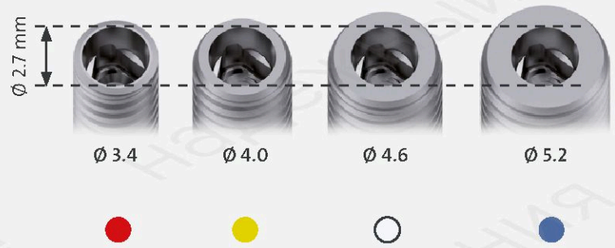
Implants designed with prosthetics in mind

Axiom® BL and Axiom® TL have been designed with the prosthetic objective in focus. Anthogyr engineers have taken particular care in the conception of the prosthetic connections, range and instruments, to allow high quality long lasting restorations for patients and flexible and accessible protocols for implantologists and dental laboratories.



All Axiom® BL implants have the same prosthetic connection, regardless the implant diameter and the profile, REG and PX. It allows to manage separely the bone volume and the size of tooth to be restored for a greater flexibility and best outcome for the patient. It also limits the number of references and facilitates stock management.

SINGLE DIAMETER PROSTHETIC CONNECTION



PROSTHETIC CONVENIENCE

Axiom® Bone Level implants are designed for facilitating prosthesis. The intuitive trilobe indexation allows guided, accurate abutment placement. Moreover, the constant emergence profile from healing screw to definitive abutment achieves prosthetic handling without tension of soft tissue, aiming to predictable esthetic results.



Constant emergence profile

Axiom® Multi Level® implant system opens up a wide range of prosthetic possibilities. From well designed catalog components to Labside CAD/CAM solutions and innovative Simeda® customized restorations, dental laboratories and implantologists can offer the best solution to each patient.



SMART AND COMPACT PROSTHETIC KIT

The Axiom® Multi Level® prosthetic kit contains everything you need to proceed with the restoration step on Axiom® implants, Bone Level and Tissue Level.

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Simeda® customized prosthetic solutions

With Simeda® solutions, Anthogyr supports dental laboratories and practitioners in offering the best outcome to patients. Benefit of an expertise of more than 10 years!

Watch Simeda® video



A WIDE PORTFOLIO OF IMPLANT-SUPPORTED PROSTHETICS

From customized abutments and teeth to implant bridges, suprastructures and bars, Simeda® restorations are available in a wide range of high-quality materials. Dental laboratories have a large choice to offer the best solution for every prosthetic case.

ZIRCONIA EXPERTISE OF MORE THAN 10 YEARS IN IMPLANTOLOGY

Thanks to an industrial and R&D expertise in Zirconia, and to outstanding mechanical properties, Simeda® Zirconia are available for all indications including implant supported bridges without ti-bases and AxIN®, the "close to natural" screw-retained tooth.

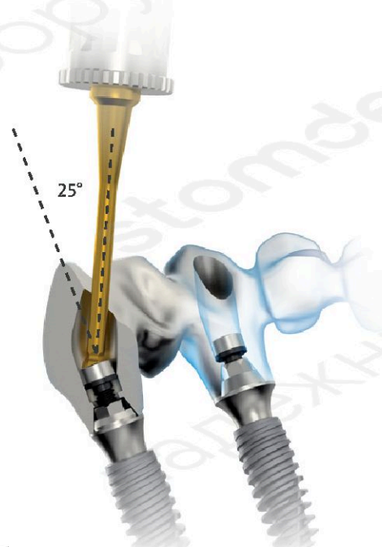


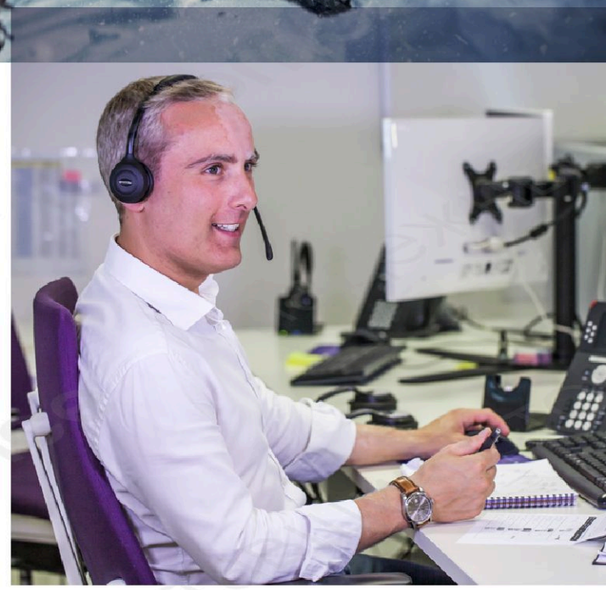
+ No compromise on esthetics!



FOR ESTHETIC AND LONG LASTING RESTORATIONS

Angulated Access achieves increased biological safety and reduced maintenance through screw-retained restorations with channels placed out of esthetic and weakest areas. This key option is widely available in Simeda® range, on Multi-Unit abutments, inLink® connection and AxIN® tooth.





HIGH-END SERVICES

Simeda® prosthetics come with a full range of services from 24-hour order interface, customer guidance and assistance and Serenity® warranty program. It is also a one-stop shop for all your CAD/CAM restorations thanks to a wide compatibility with 250 implant platforms.

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Simeda® innovations for screw retained prosthesis

Simeda® wide range of high-quality customized restorations includes outstanding innovations for screw-retained prosthesis, promoting biological safety, such as AxIN®, InLink® or Simeda® Additive.





AxIN®

AXIN® AS A NATURAL TOOTH

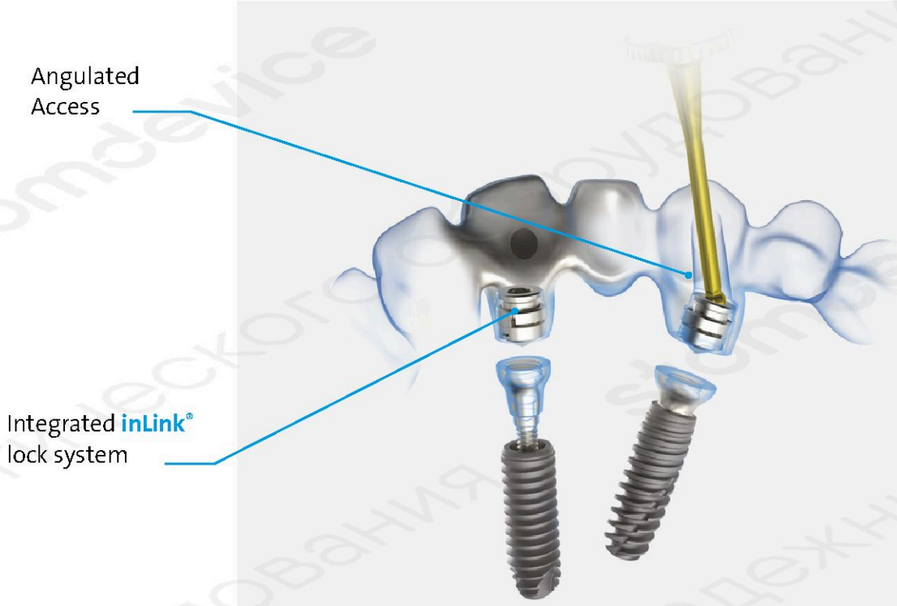
AxIN® is an innovative customized screw-retained tooth in zirconia with an efficient Angulated Access solution. Its ingenious design provides biological safety, esthetics and reduced maintenance through a channel placed out of visible and weakest areas.

Watch Simeda® Additive video

SIMEDA® ADDITIVE DISRUPTIVE TECHNOLOGY

Resulting from a 2-year industrial development made possible by the capacity for innovation and industrial expertise of Anthogyr, Simeda® Additive process combines the best of additive technology and substractive machining. It provides greater design freedom without any compromise on strength and quality, offering new possibilities to dental laboratories.





INLINK® INNOVATIVE CONNECTION

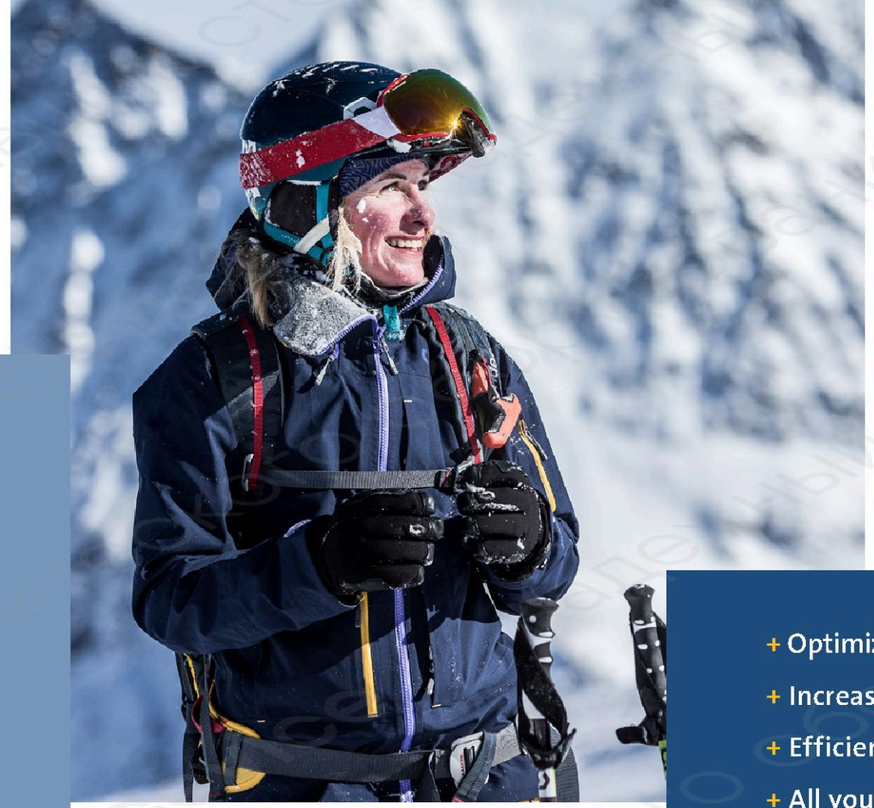
The inLink® connection allows plural screw retained restorations with Angulated Access directly on Axiom® TL or Axiom® BL implants through an inLink® abutment. This disruptive innovation provides outstanding benefits* in terms of axis compensation and handling, for full-arch restorations.

* Demanding procedure requiring dedicated training of Dental laboratory and practitionner

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Labside CAD/CAM solutions

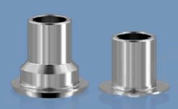




Flexibase®
A wide range for maximum freedom

+ Comprehensive Ti-Base range of diameters, gingival heights and platforms
+ Labside CAD/CAM or conventional process
+ Plural and single indications

PLURAL SCREW RETAINED OR CEMENTED RESTORATIONS



Flexibase® for Multi-Unit abutments on Axiom® BL and Axiom® TL

Flexibase for plural direct on Axiom® TL

SINGLE UNIT SCREW RETAINED OR CEMENTED RESTORATIONS

Flexibase® for Axiom® BL range



Axiom® BL: 2 diameters, 3 gingival heights

Axiom® TL: 2 platforms

Cerec compatible Ti-bases for Axiom® BL



Axiom® BL: 3 gingival heights

Axiom® TL: 2 platforms

Pre-milled
A full range to perform customized titanium abutments



+ Wide compatibility with CAD and CAM softwares, and milling equipments
+ Original on Original solution

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Choose your digital workflow

Anthogyr helps practitioners and laboratories apply the digital workflow! Regardless of the choice of equipment and organization, Anthogyr offers a customized solution to treat prosthetic cases from a digital or conventional impression.

+ Optimized communication between dental office and dental laboratories
+ Increased patient comfort and satisfaction thanks to digital impression
+ Efficiency booster
+ All you need to set up a seamless digital workflow

DIGITAL WORKFLOW FROM CONVENTIONAL IMPRESSION

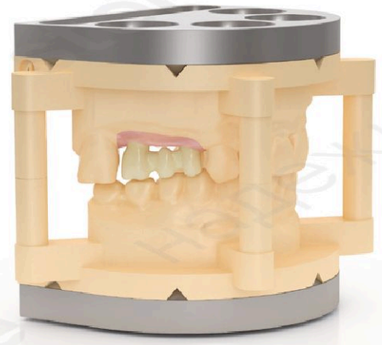


Transfers Analogs Scan Adapters

DIGITAL WORKFLOW FROM INTRA-ORAL SCANNER



Digital transfers Analogs



DIGITALL – ALL IN ONE SOLUTION!

DigitALL is a full service of prosthesis delivered with a high quality 3D printed model, available on Axiom® BL and Axiom® TL. Starting from the impression with an intraoral scanner, it covers a fully digital workflow, including a complete range of services, design and production, for the model and the prosthesis.

Watch DigitALL video

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Prosthetic components

A broad choice of components for all types of restorations



Col du Plan and La Mer de Glace (Chamonix France)

CEMENTED SINGLE AND PLURAL RESTORATIONS

Esthetic abutments

+ A choice of 3 angulations and 4 gingival heights to cover all situations
+ Esthetic shoulder design adapted for cement-retained prosthesis
+ Temporary components for immediate esthetic answer and optimization of soft tissues







Standard abutments

+ Supplied STERILE for an immediate placement
+ Designed for soft tissues preservation by reducing intra-oral handling

SCREW-RETAINED MULTIPLE RESTORATIONS



Multi-Unit abutments

+ 2 platforms
+ Secondary components common to Axiom® BL and Axiom® TL
+ 2 angulations and 5 gingival heights on Axiom® BL
+ Flexibility: narrow abutment with reduced coronal height
+ Temporary components for immediate loading protocols





Easy handling

All Multi-Unit abutments are delivered with an attached holder



SOLUTIONS FOR REMOVABLE OVERDENTURES

+ A wide choice of solutions to address a growing concern
  - Novaloc® abutments
  - Locator® abutments
  - Ball abutments
  - On Axiom® BL and Axiom® TL

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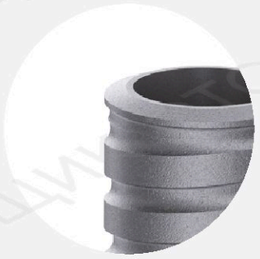
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Axiom® 2.8

The solution for restricted mesio-distal spaces in the incisor area





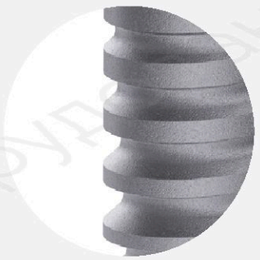


+ Conical connection

- Tight seal morse tapered connection with 1.5° half angle.

+ A true narrow two-part implant

- Optimal management of treatment plan and soft tissues.
- Preservation of 2.8 diameter even for prosthetic profile.



+ Straight threaded neck

- Optimized anchorage.
- Retentive neck with bone compaction effect.

+ Cylindrical-conical shape

- Implant with controlled and guided insertion.
- Atraumatic apex.



+ Progressive asymmetrical threading

- Self-taping.
- Gradual bone compaction is achieved during threading.

+ Impacted prosthesis

- Controlled and calibrated impaction using the Safe Lock® instrument.



DEDICATED SURGICAL KIT

- Easy, practical and logic layout.

FULLY CONTROLLED SOLUTION

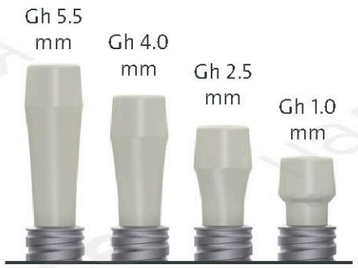


- Fully controlled and reproductible impaction using the **Safe Lock®** calibrated instrument.



COMPREHENSIVE PROSTHETIC RANGE

- 4 angulations: 0°, 7°, 15° and 23°.
- One-stage or two-stage surgery.



4 gingival heights



PEEK temporary abutment

+ Constant emergence profile from healing plug to final abutment

- No undue tension on soft tissue.



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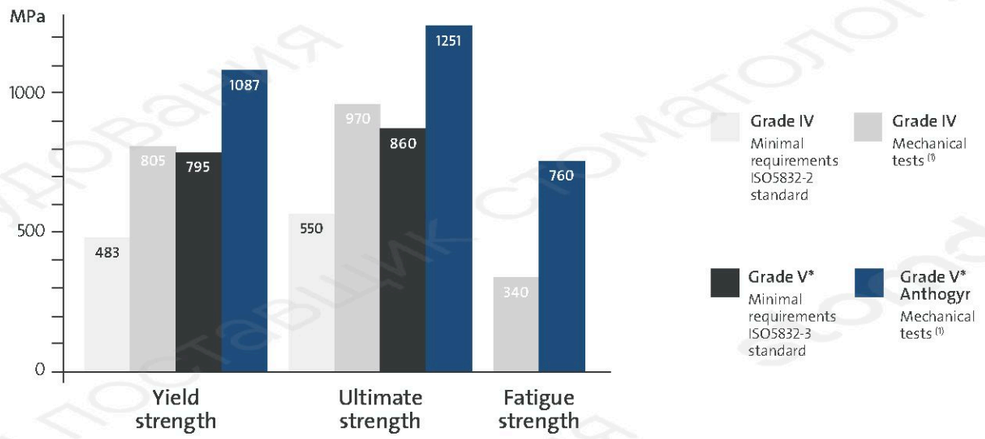
Long term confidence with Axiom®


Les Aiguilles de Chamonix and l'Aiguille Verte (France)

GRADE V TITANIUM*

Biomechanical reliability

Axiom® implants and main prosthetic parts are made of Grade V Titanium*. Its mechanical strength, higher than Grade IV allows the design of reduced diameter implants for less invasive treatments.
Grade V Titanium* is also recognized for its biocompatibility in oral and orthopaedic surgery. It is scientifically proven it has no cytotoxic or genotoxic effects.[2]



* Ti6Al-4V-ELI

[1] Liens A., et al, Multi-scale microstructural and mechanical characterization of titanium and titanium alloys used in dentistry (2015), Poster presented at the 24th EAO's Annual Scientific Congress, Stockholm, Sweden.

[2] Velasco-Ortega, E., Jos, A., Cameán, A. M., Pato-Mourelo, J., & Segura-Egea, J. J. (2010). In vitro evaluation of cytotoxicity and genotoxicity of a commercial titanium alloy for dental implantology. Mutation Research/Genetic Toxicology and Environmental Mutagenesis, 702(1), 17-23.

[3] Chacun D, Lafon A, Courtois N, et al. Histologic and histomorphometric evaluation of new zirconia-based ceramic dental implants: A preclinical study in dogs. Dental materials official publication of the Academy of Dental Materials 2021.

[4] Esposito M, Salina S, Rigotti F, et al. Multicentre within-person randomised controlled trial of 0.5 mm versus 1.5 mm subcrestal placement of dental implants with internal conical connection Five-year post-loading results. Clinical Trials in Dentistry 2020;2(3):77–89.

BCP SURFACE TREATMENT*

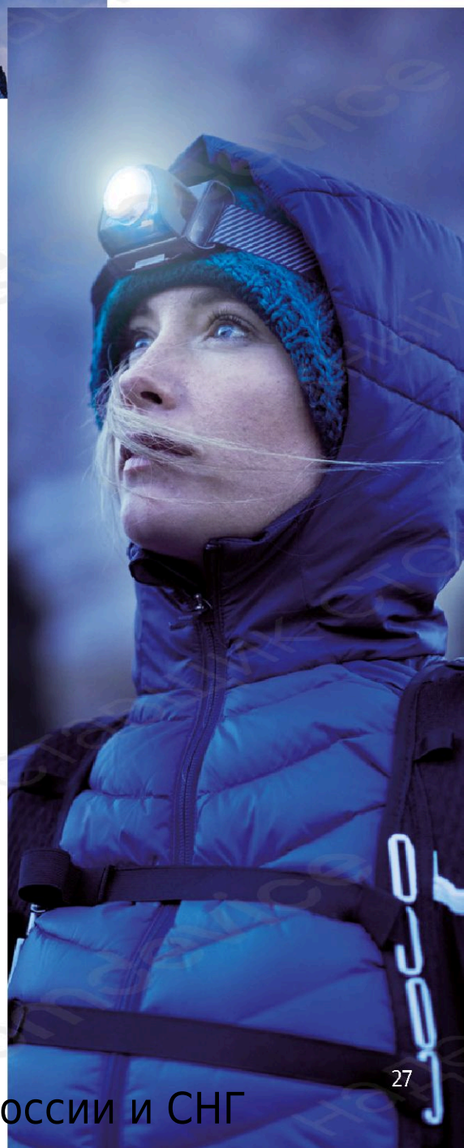
Powerful bone attachment

The BCP surface treatment* of Axiom® implants demonstrated effective osseointegration in pre-clinical models[3], confirmed by long-term clinical results[4]. The sandblasting with BCP favors surface cleanliness and leads to a moderately rough surface.



Microscopic observation (x500) of implant surface with Anthogyr BCP surface treatment*

*Soustractive treatment with Biphasic Calcium Phosphate media.



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Proven clinical results


MULTICENTRE WITHIN-PERSON RANDOMISED CONTROLLED TRIAL OF 0.5 MM VERSUS 1.5 MM SUBCRESTAL PLACEMENT OF DENTAL IMPLANTS WITH INTERNAL CONICAL CONNECTION: FIVE-YEAR POST-LOADING RESULTS

OPTIMAL BONE REMODELING AROUND AXIOM® IMPLANTS

The 5-year results of a prospective multicenter randomized controlled clinical trial assessing marginal bone loss and Pink Esthetic Score with Axiom® BL REG demonstrate following conclusions:

- Long term success can be expected with Axiom® BL REG implants
- Predictable esthetics are achieved whatever subcrestal level

Representative X-rays and pictures showing bone stability and esthetic success 5 years after loading (Center 3, Dr Rigotti)



Clinical Trials in Dentistry 2020;02(3):77-89

Marco Esposito, Sergio Salina, Fabio Rigotti, Cristian Mazzarini, Diego Longhin, Mauro Grigoletto, Jacopo Buti, Luca Sbricoli, Federico Gualini.

Multicentre within person randomized controlled trial of 0.5 mm versus 1.5 mm subcrestal placement of dental implants with internal conical connection: five year post-loading results.

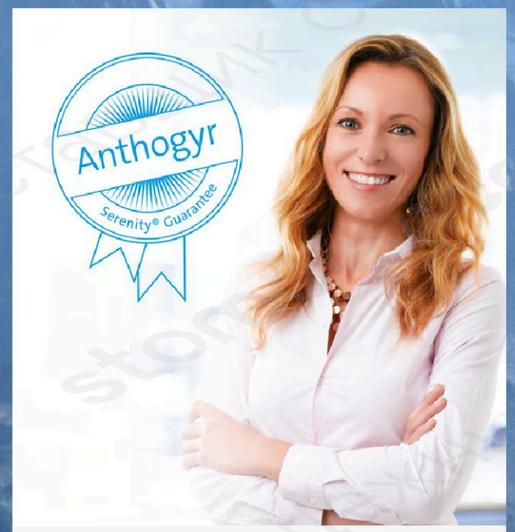
6 centers

58 patients

112 Axiom® BL REG implants

Discover the original publication

Anthogyr



serenity®
Warranty Program
by Anthogyr

We provide lifetime guarantee for Axiom® implants.

For more information, visit **www.anthogyr.com**
Availability of Serenity program depending on countries.

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More than implants



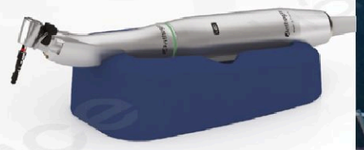
OSTEO SAFE®
Automatic osteotome



XPERT UNIT®
Connected implant motor



TORQ CONTROL®
Universal torque wrench



MONT BLANC®
Implantology contra-angles

EQUIPMENTS TO PROVIDE PREMIUM CARE

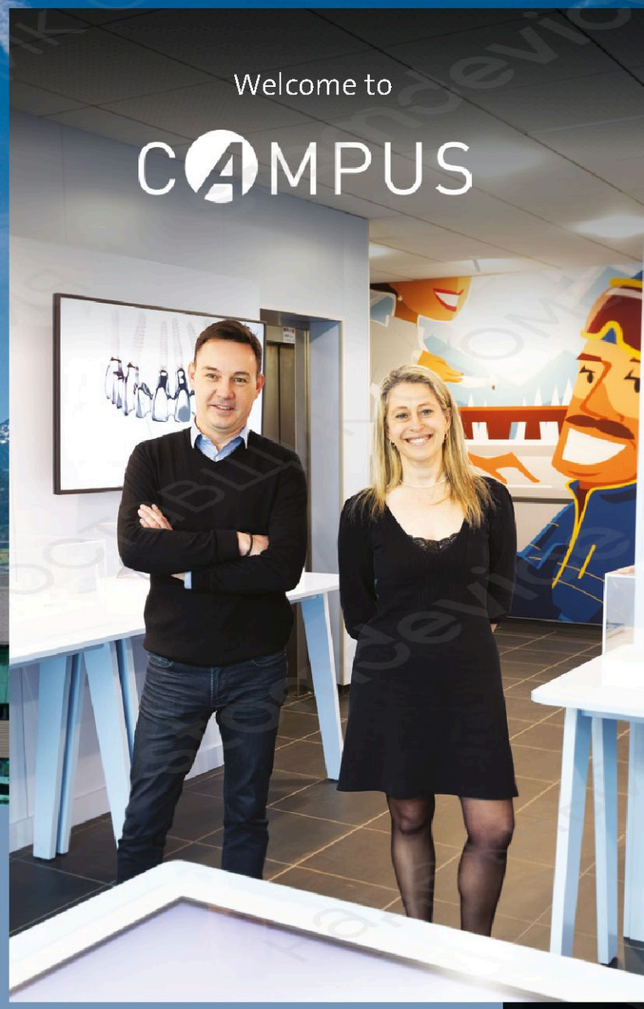
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