

STRAUMANN® **BLC** IMPLANT SYSTEM

Confidence to perform
in all indications.



iEXCEL*

STRAUMANN®
PERFORMANCE
SYSTEM

System overview

CONFIDENCE TO **PERFORM** IN ALL INDICATIONS

Straumann® BLC is our new generation tapered implant with slim apex for bone level indications. The winning combination of innovative design, SLActive® surface technology and Roxolid® high performance material allows for less invasive treatments and high primary and secondary stability even in compromised bone situations.

PERFORMANCE THAT CARES



Straumann® SLActive® surface demonstrates 100 % implant survival rate, even in patients compromised by smoking, diabetes, or radiation therapy.¹⁻³



Straumann® Roxolid® alloy is stronger and biologically superior to titanium enabling less invasive and bone preserving treatment options using smaller, stronger implants.⁴⁻⁷

79%

of dentists that have placed BLC implants agree that it can be used in all clinical indications*





Straumann® BLC is designed for you as the gateway to the world of Straumann® iEXCEL, our ultimate Dental Performance System. With Straumann® BLC and Straumann® iEXCEL, you're not just investing in versatility, simplicity, and efficiency – you're also investing to reach unparalleled levels of excellence in modern dentistry.



MORE TREATMENT OPTIONS

Versatile portfolio with additional diameters and lengths.



SIMPLICITY AND EFFICIENCY

Simple, but versatile portfolio featuring one prosthetic connection as well as shared instruments and prosthetics with Straumann® BLX.



ESTHETIC EASE CONCEPT

Slim and under contoured prosthetic abutment and consistent emergence profile.

“In regenerated tissues I prefer an implant like BLC. It is less compressive, while providing high primary stability.”

France Lambert, Belgium.

*n=43, Jan 2024, Satisfaction survey with clinicians from Europe.

SPARK YOUR EXCELLENCE

Straumann® BLC System highlights – innovative design to spark your excellence and perform in all indications.

1 PRECISE CORTICAL PREPARATION

Perfectly matching profile drills for accurate preparation of the crestal bone.

2 TAPERED DESIGN

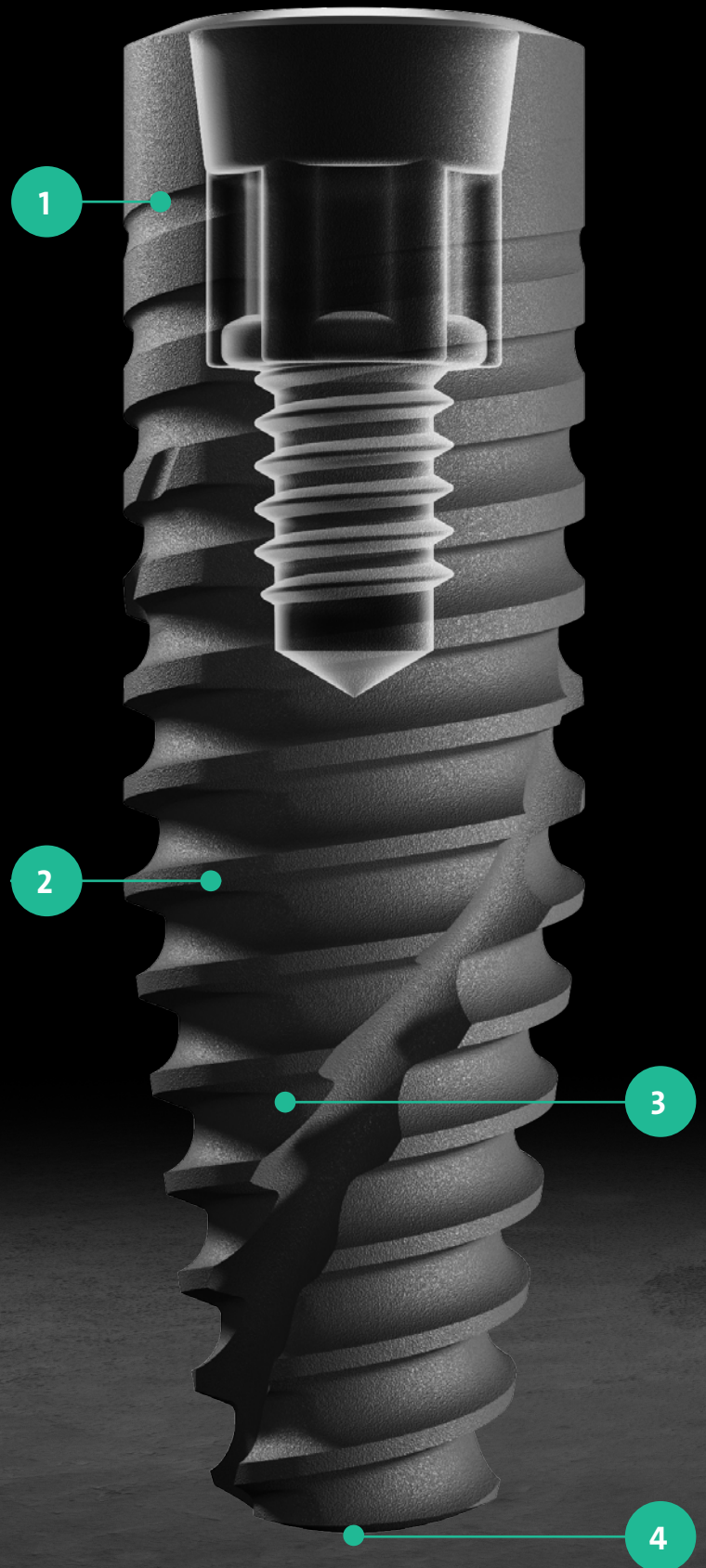
Enables under-preparation of the bone and ensures high implant stability.

3 EXTENDED CUTTING FLUTES

Self tapping properties remove the need for tapping.

4 SLIM APEX

For patient's limited anatomy, such as converging root tips, facial undercuts or narrow atrophied ridges.

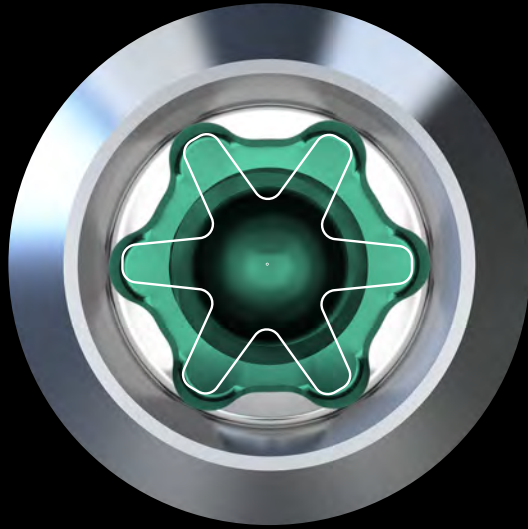


TORCFIT™ CONNECTION

Internal conical connection engineered for high strength and slim abutment designs.

“After 5 years of using BLX, I can say that the TorcFit™ connection is awesome – crestal bone stability is outstanding.”

Algirdas Puisys, Periodontologist, Lithuania



STRENGTH OF TORX INDEX

- Allows transfer of high torques
- Six positions for flexible implant-abutment alignment

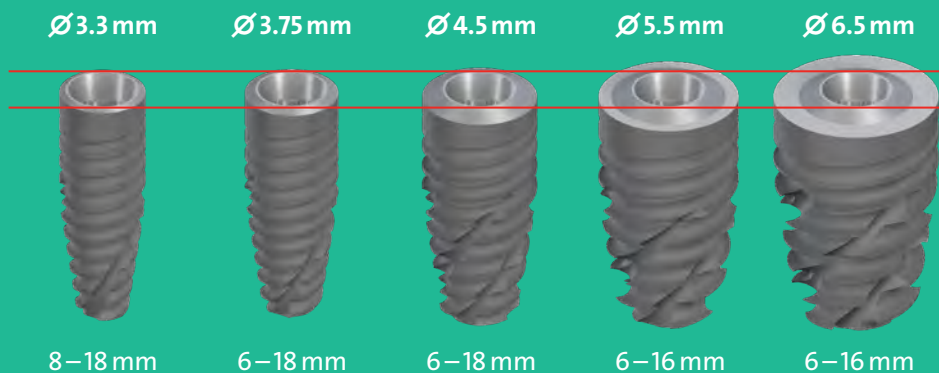
PRECISE FIT OF 7° CONICAL CONNECTION

- Precise implant-abutment fit
- Abutment screw only engages in implant when the abutment is correctly seated
- Correctly seated abutments are secured with friction fit
- High mechanical stability and stress distribution

ONE SIZE PROSTHETIC CONNECTION ACROSS ALL IMPLANTS

- One single driver for all implants
- Lower prosthetic inventory
- Simpler staff training

VERSATILE PORTFOLIO FOR MORE TREATMENT OPTIONS

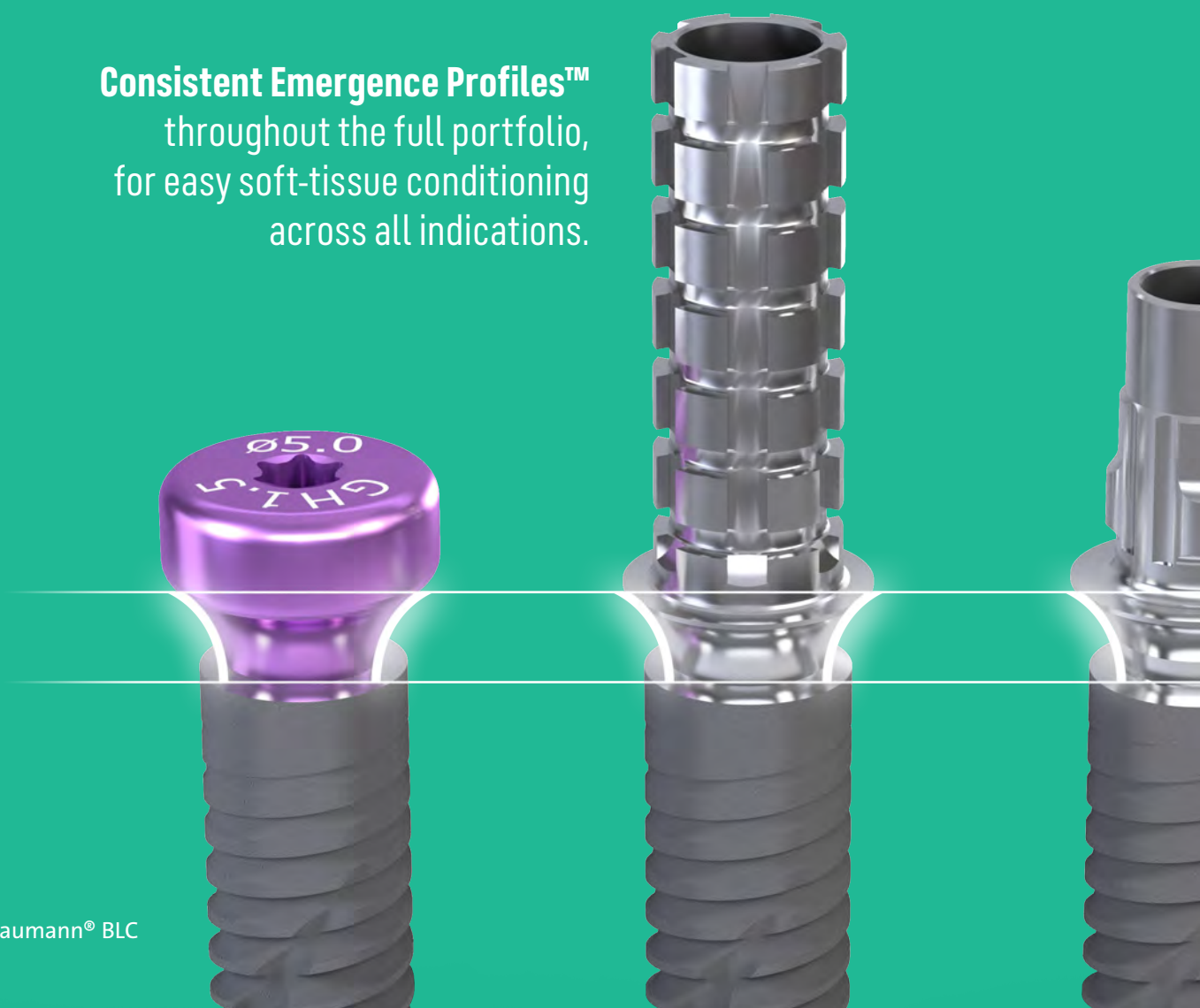


- Reduced invasiveness with Ø3.75 mm implant for all tooth positions
- Additional 5.5 and 6.5 mm implant diameters
- Short 6 mm implant lengths

EXCELLENCE THROUGH COMPLETE PROSTHETIC PORTFOLIO

ALL INDICATIONS AND DIGITAL WORKFLOWS.

Consistent Emergence Profiles™
throughout the full portfolio,
for easy soft-tissue conditioning
across all indications.





STRAUMANN® VARIOBASE®

Our Variobase® portfolio provides efficient production without compromising restorative flexibility. Available with angled screw-channel options and in various heights for single-tooth to edentulous indications. The specially designed rotational locks offer an increased bonding surface for maximum reliability.



PRE-MILLED ABUTMENT BLANKS

Pre-milled abutment blanks enable in-house manufacturing of one-piece custom abutments. With a pre-machined original Straumann® connection, precision and reliability are assured.



CUSTOMIZED PROSTHETICS

Customized Prosthetics ensure ultimate restorative outcomes, with the abutment emergence profile and shape specifically designed for your patient. The screw-retained bar and bridge offer angle correction to solve the most demanding cases.



SCREW RETAINED ABUTMENTS (SRA) FOR BRIDGES AND FULL ARCH

The smooth, cleanable and undercontoured design reduces the need for bone profiling in surgery and is designed to maximize space for soft tissue.



STRAUMANN® NOVALOC® RETENTIVE SYSTEM

Low friction between the abutment and matrix ensures excellent durability for removable indications. The 15° angled abutments reduce unilateral stress and wear.



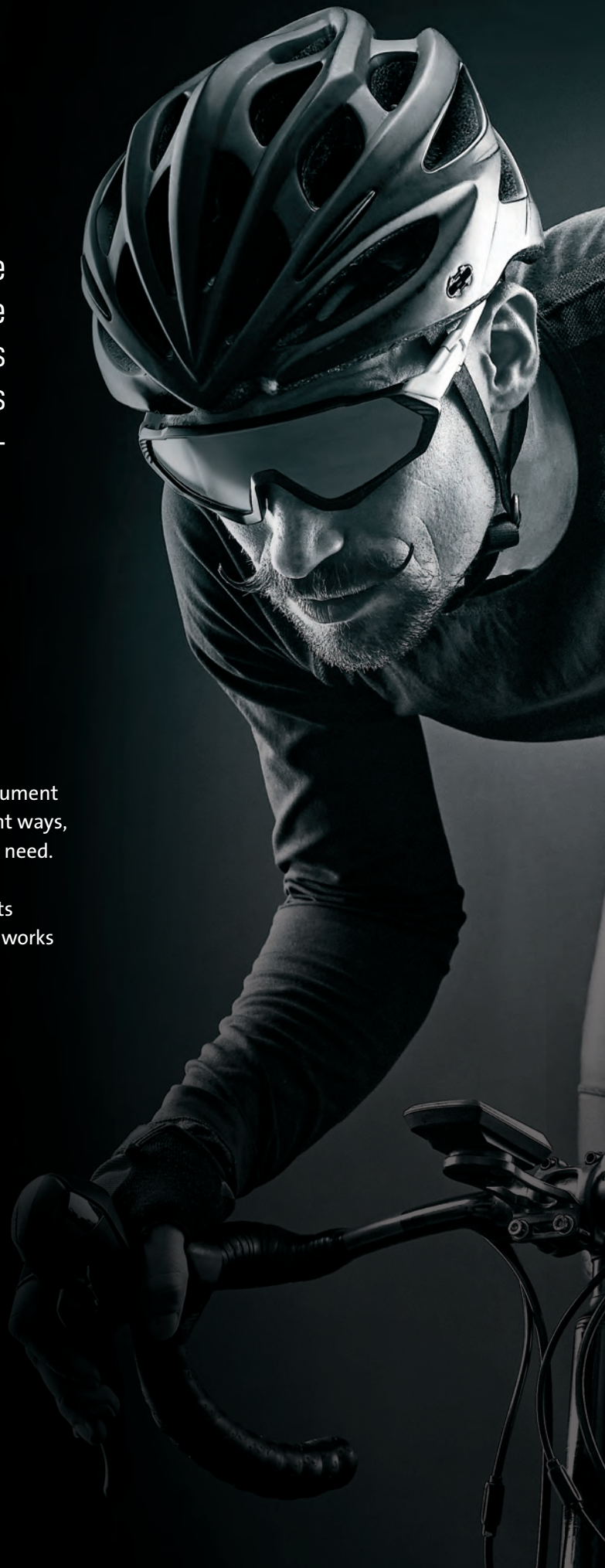
CUSTOMIZE AS NEEDED

Our award-winning Modular Cassette is a customizable instrument cassette designed to blend into your clinic's daily workflow, allowing surgeons and assistants to work together efficiently.

STRAUMANN® MODULAR CASSETTE

The Straumann® Modular Cassette is a compact instrument set which can be assembled and combined in different ways, allowing you to customize your kit with the tools you need.

- Module A: for universal and prosthetic instruments
- Module B: for workflow and drills – one insert that works with all iEXCEL implants
- Module C: add-on for guided surgery (handles) or a simple box for auxiliaries



STRAUMANN® VELODRILL™

Low temperature drilling and shared instrumentation for freehand and guided surgery.

- Pilot-to-final guided surgery protocol shortens chair time
- Minimizes heat generation and avoids overheating surrounding tissues
- Precise depth control with single use drill stops



EXCEL WITH THE STRAUMANN® DIGITAL WORKFLOW FROM SINGLE UNIT TO FULL-ARCH

The Straumann® digital workflow empowers your growth with a comprehensive range of straightforward and open solutions, streamlining and upgrading your workflow for the final benefit of your patients. You can confidently rely on a single provider for all your implant procedures.

SCANNING

Straumann SIRIOS™



PATIENT ENGAGEMENT

Smilecloud



 smilecloud

TREATMENT PLANNING

coDiagnostiX®



Smile in a Box®

 smilecloud

INTERDISCIPLINARY COLLABORATION

STRAUMANN SIRIOS™*

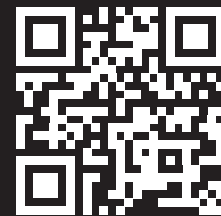
Go beyond image capturing and open the door to digital dentistry with Straumann SIRIOS™; with ultimate accuracy and a revolutionary scanning performance, it is specifically designed to unlock streamlined digital workflows.

SMILECLOUD

Captivate your patients through natural biometric smile design and effectively engage your network with the potential of interdisciplinary workflows. Start today with Smilecloud!

CODIAGNOSTIX®

Unlock the potential of treatment planning with coDiagnostiX® including AI-powered data preparation, visualization and automated tooth extraction designed to efficiently access immediate treatments.



Discover the Straumann® solutions for digital workflow.



FLEXIBILITY

From single unit to edentulous cases, with our solutions you have the right tools to streamline your workflow.



PREDICTABILITY

Boost your confidence with digital treatment planning and guided procedures designed to achieve predictable results.



EFFICIENCY

Implement streamlined workflows that are designed to promote speed and quality in your treatment.



EXCELLENCE POWERED BY AI

Our solutions are infused with AI to empower you to achieve your goals with efficiency and speed.

SURGERY

SECONDARY SCANNING

CUSTOMIZED PROSTHETIC DESIGN & MANUFACTURE

Straumann® iEXCEL Performance System



Straumann SIRIOS™



RevEx™



Straumann® UNIQ



SMILE IN A BOX®

Outsource planning, design, and/or manufacturing and access immediate treatment protocols without requiring additional hardware and software investments.

STRAUMANN® REVEX™ SCANBODY

Capture full-arch implant positions to enable a full-arch workflow from temporary to final restoration. RevEX™ provides greater patient comfort, with fewer visits.⁹⁻¹¹

STRAUMANN® UNIQ*

Use a premium service to outsource the planning, design, and manufacturing of your custom implant prosthetics on demand, based on your specific needs.

*The availability varies by region; contact local team for details.

EMPOWERING YOU TO **EXCEL**

Straumann® iEXCEL is our ultimate Dental Performance System. Versatility of four implant designs (BLC, TLC, BLX, TLX) in a single system. Simplicity of one prosthetic connection. Integrated digital workflows and services that help save your time.

TRUE CLINICAL VERSATILITY

With one instrument set that works with all four implant designs you can choose your implant option even during surgery.

BLX AND TLX: EXCEL IN IMMEDIACY

Featuring Dynamic Bone Management, our unique implant design makes immediate protocols achievable and predictable – even in challenging extraction sites, defective sites, or soft bone.

BLC AND TLC: CONFIDENCE TO PERFORM IN ALL INDICATIONS

Our new generation of tapered implants with slim apexes are designed for less invasive treatments, efficient insertion and high primary stability.



iEXCEL*

STRAUMANN®
PERFORMANCE
SYSTEM

SIMPLICITY YOU'LL LOVE

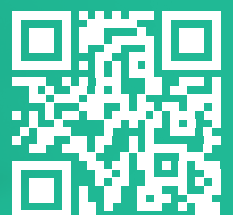
One TorcFit™ connection for all four implant designs sharing the same connection diameter for all prosthetics. Profit from restorative simplicity with a complete range of Straumann® original stock and customized prosthetics.

CONNECTED DENTISTRY TO EMPOWER EXCELLENCE

Our system offers integrated digital workflows and services designed to deliver predictable, efficient and high-quality outcomes, from single to full-arch indications.



Discover
Straumann® iEXCEL



STRAUMANN® REGENERATIVE SOLUTIONS MASTER ANY CHALLENGE

To ensure clinical success, dental implants require stable and healthy hard and soft tissue. Straumann® Regenerative Solutions regenerate the hard and soft tissue around teeth or dental implants, to maintain long-lasting functionality and esthetics. Our solutions are built on three pillars along the patient's dental journey, and cover the entire range of cases, from simple to complex.





TOOTH PRESERVATION

Natural teeth are unique and, as dental professionals, we strive to preserve them as long as possible. Untreated inflammation can advance to periodontitis and potentially result in tooth loss.

Straumann® Emdogain® is a central part of our solution to support the effective regeneration of the periodontium and accelerate the healing to help maintain natural teeth.



IMPLANT SITE MANAGEMENT

The right amount of hard and soft tissue is key for successful dental implant placement. Our solution includes a comprehensive biomaterials portfolio to support tissue regeneration for optimal implant placement conditions.



IMPLANT PRESERVATION

Healthy peri-implant tissues are vital to preserve the placed implant. Untreated inflammation can advance to peri-implantitis and potentially result in implant loss. Straumann® GalvoSurge® is a central part of our solution to support the effective regeneration of hard and soft tissue to help maintain dental implants.

GALVOSURGE® DENTAL IMPLANT CLEANING SYSTEM

- **Speed:** effectively removes biofilm from the implant surface in just 2 minutes
- **Reliability:** provides optimal conditions for bone regeneration
- **Safety:** offers a minimally invasive treatment process to successfully treat peri-implantitis without implant removal



DRIVEN TO EXCEL

FOR YOU AND YOUR PATIENTS

A comprehensive array of products, solutions, and services made Straumann® a leader in the global market for implant, restorative, and regenerative dentistry. With a focus on digital, seamless workflows, Straumann® provides an end-to-end, customer-centric treatment experience. An integrated ecosystem enhances efficiency, convenience, and collaboration, supporting dental professionals with secure data storage and sharing, and leveraging evidence-based and data-driven processes.

Available in more than 100 countries, the Straumann® brand is associated with Swiss quality, precision, and innovation, fostering confidence among dental professionals, supported by the world's largest global scientific network and a partnership with the International Team for Implantology (ITI).



Straumann® is the flagship brand of the world's largest implant manufacturer group – the Straumann Group. Renowned as one of the most iconic brands in dentistry, we have a long-standing legacy of pioneering significant advancements in the field. We are at the forefront of expanding the scope of dental care by relentlessly and consistently providing excellence and transformational innovation to a global community of forward-thinking dental professionals.



CLINICAL CASES

Maxillary esthetic area bridge in a regenerated bone area with immediate loading

Anterior Maxilla with horizontal bone resorption, a GBR procedure was performed utilizing Xenograft and Jason membrane. 7 months after a successful regeneration a Guided surgery implant placement procedure was performed using 4 apically tapered Straumann® BLC® implants Ø4.5 mm × 12 mm SLActive® Roxolid® with immediate provisional bridge.



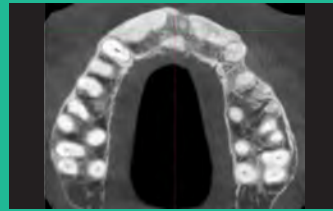
Dr. France Lambert
Prosthodontics: Damian Szajner
Ceramics: Mirko Picone



Initial situation



Occlusal view 7 months after GBR



CBCT 7 months after GBR



Precise implant positioning through guided surgery



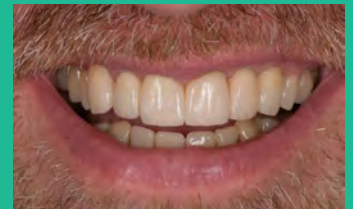
Immediate Provisional



Control after 8 months



Radiographic control. Final bridge



Final restoration

Immediate implant placement and provisional restoration of upper premolar

Freehand surgery for immediate implant placement of an upper premolar, using an apically tapered Straumann® BLC implant Ø4.5 mm × 12 mm, SLActive®, Roxolid®, and immediate provisional restoration, followed by final restoration using a digital workflow.



Dr. Algirdas Puišys



Intraoral situation of tooth #24



CBCT analysis



Occlusal view of the extraction socket



Insertion of Straumann® BLC implant Ø4.5 mm × 12 mm, SLActive®, Roxolid®



Implant in final position prior to gap management with bone grafting



Immediate provisional crown



12 weeks of osseointegration and soft tissue healing



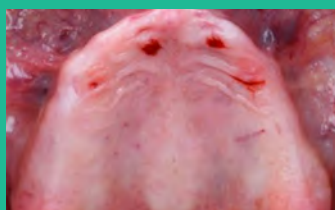
Definitive screw-retained implant crown after 12 weeks

Maxillary overdenture with immediate loading

Edentulous maxilla with limited bone height in the posterior region. Flapless guided surgery, placement of two Straumann® BLC implants $\varnothing 3.75 \times 10$ mm (at positions 12 and 22) and two Straumann® BLC implants $\varnothing 4.5 \times 10$ mm (at positions 14 and 24). Immediate fixed temporization was achieved using the patient's former denture, which remained in function for three months. Subsequently, considering the patient's presentation with a thin upper lip, high smile line, and vertical bone crest atrophy, a final metal-reinforced overdenture fixed on a Dolder bar was selected.



Dr. Jiri Krug



Occlusal view before surgery



Fully guided drilling



Implant placement, BLC $\varnothing 3.75 \times 10$ mm SLActive®, Roxolid®



Provisional bridge with the titanium copings made from a reinforced full denture



Screw-Retained Abutments after 8 weeks



Position of the CAD/CAM titanium Dolder bar (Createch) within the outline of the overdenture



Panoramic X-ray done for Sheffield test approval



Post-op smile at 4-month follow up



STRAUMANN® BLC – CONFIDENCE TO PERFORM IN ALL INDICATIONS.



Discover
Straumann® iEXCEL

- The new generation bone level implant
- Winning combination of innovative design, Roxolid® material and SLActive® surface
- BLC is your gateway to the world of Straumann® iEXCEL, our ultimate Dental Performance System

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