

STRAUMANN® PRO ARCH*

Excel in Full-Arch.



iEXCEL*

STRAUMANN®
PERFORMANCE
SYSTEM

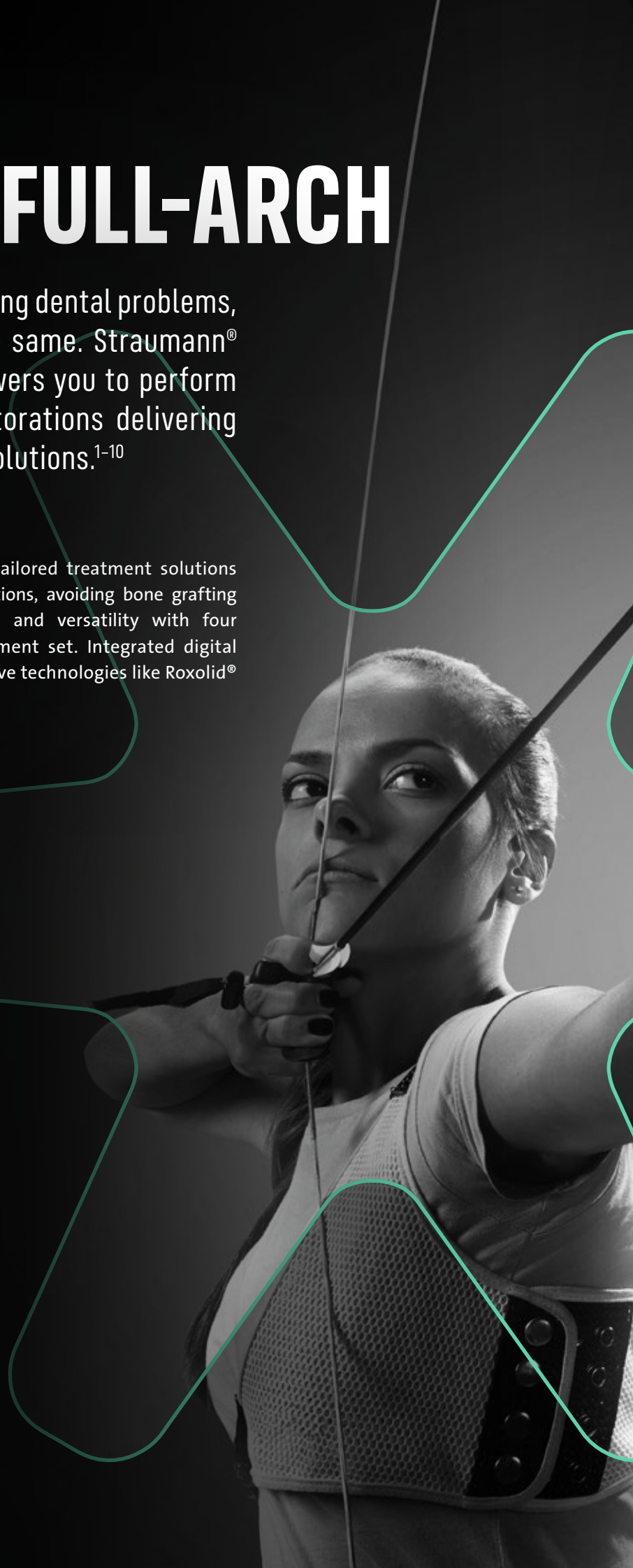
System overview

EXCEL IN FULL-ARCH

Of the millions of people facing dental problems, there are no two cases the same. Straumann® Pro Arch with iEXCEL empowers you to perform life-changing full-arch restorations delivering patient-centric treatment solutions.¹⁻¹⁰

Powered by iEXCEL, Pro Arch enables tailored treatment solutions for challenging fixed immediate restorations, avoiding bone grafting procedures.^{1,2,3,5} Enhanced performance and versatility with four implant designs and one single instrument set. Integrated digital workflows in combination with innovative technologies like Roxolid® and SLActive®.⁵⁻¹³

Meet the future of the dentistry.





PATIENT CENTRIC VERSATILITY

A wide range of treatment options to address challenging situations and patient needs.¹⁻¹⁰



SIMPLICITY FOR CHALLENGING CASES

One connection, one instrument set and short surgical protocols, combined with a simplified abutment portfolio to streamline the workflow. Simplicity you'll love.



DIGITAL FULL-ARCH

AI technology and digital integration for your in-house workflow and to outsource production with Straumann® Smile in a Box services.



COMPROMISED PATIENTS

Peace of mind with SLActive® even when treating compromised patients with diabetes or irradiated patients.⁸⁻¹⁰



REDUCED INVASIVENESS

Roxidid® enables the use of narrow^{2,3,5,6} and short implants, designed to preserve bone and avoid severe bone grafting*.



RESTORATIVE FLEXIBILITY

Our prosthetic portfolio addresses patients' esthetic expectations within their financial resources.

*Compared to titanium implants and conventional treatment options.

PATIENT-CENTRIC VERSATILITY

For a true patient-centric approach. Our ultimate dental performance system, iEXCEL, offers versatility, simplicity and performance even in challenging clinical situations.

Tailor your fixed immediate treatment protocols to patients' needs with:

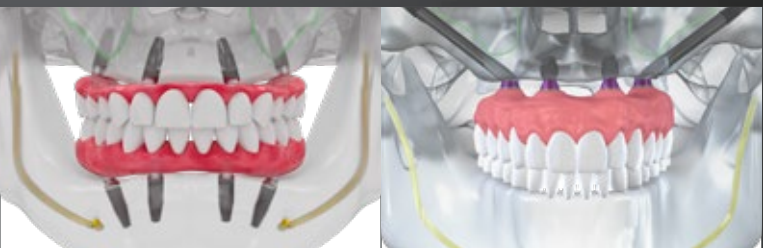
- Different tapered designs at both bone and tissue levels
- Implant lengths ranging from 6 mm to 18 mm
- Implant diameters from Ø 3.3 mm to Ø 6.5 mm



A WINNING COMBINATION THAT DIFFERENTIATES YOUR PRACTICE



Bone situation	Sufficient bone availability	Insufficient posterior bone height availability	Insufficient posterior bone availability
Treatment options	Six straight implants	Short implants in posterior region	Tilted posterior implants
Straumann® portfolio highlights	<ul style="list-style-type: none"> → Ø 3.75 mm implant for all indications → Narrow implants: BLC/TLC Ø 3.3 mm or BLX/TLX Ø 3.5 mm → Short 6 mm BLX/BLC/TLX/TLC → Long 18 mm implants 		



<p>Insufficient bone volume in maxillary region</p>	<p>Severe atrophy in the maxillary bone</p>
<p>Tilted posterior implants placed in tuberosity</p>	<p>Zygomatic implants</p>
<p>→ Bone and tissue level implants in combination with SRA abutments*</p>	<p>→ Straumann® ZAGA™ Flat and ZAGA™ Round</p>

Roxolid®

SLActive®



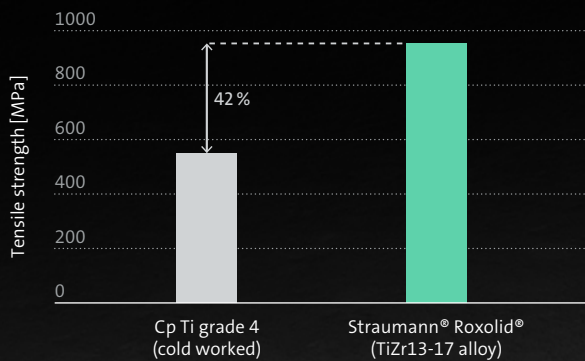
*Implants in the full-arch restoration should always be splinted.

REAL CONFIDENCE

REDUCED INVASIVENESS WITH ROXOLID®*

Invasiveness can be reduced with Straumann® Roxolid® enabling treatment options with narrower^{2,3,5,6} and shorter implants to preserve bone and avoid grafting in clinical situations with low bone volume.

Comparison of tensile strength of commercially pure Ti grade 4 (coldworked) and Straumann® Roxolid (TiZr13-17 alloy)¹⁴



Bernhard et al., 2009, Forum implantologicum 5(1) 30-39.¹⁴

REDUCED NEED FOR BONE AUGMENTATION WITH NARROW-DIAMETER IMPLANTS (3.3 MM).⁵

Roxolid® allows the use of smaller-diameter implants, Ø 3.3 mm with the same reliable clinical performance as regular-diameter titanium implants.^{5,15}

Al-Nawas B et al study results show excellent survival and success rates⁵



For 54% of implants in the study augmentation would be necessary with an implant diameter larger than 3.3 mm.

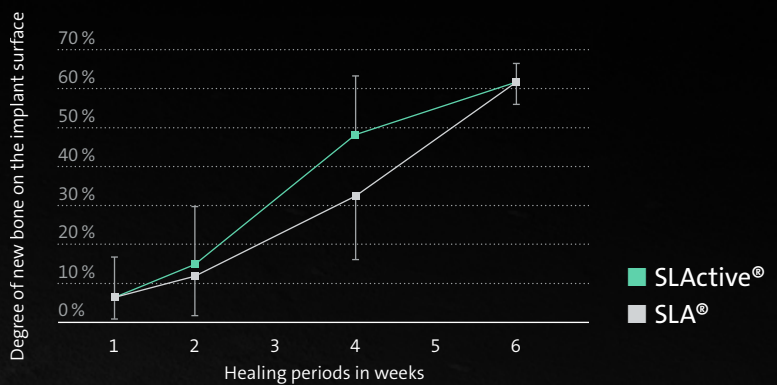
Study Al-Nawas B et al⁵
Study Design: Prospective, non-interventional, multicenter study
Population: 357 patients, 603 Roxolid® Implants



SLACTIVE® FOR PEACE OF MIND WHEN TREATING COMPROMISED PATIENTS

Straumann® SLActive® enhances bone regeneration, reduces healing time and provides high success rates even in compromised patients with diabetes or irradiated patients, giving you peace of mind when treating challenging cases.⁷⁻¹²

Fast integration with SLActive®



The SLActive® surface shows a faster integration into new bone after 4 weeks (50%) compared to SLA® surface (30%).¹²

100% implant success rate in irradiated and diabetic patients⁸⁻¹⁰

100%
irradiated patients

100%
diabetic patients

*Compared to titanium implants and conventional treatment options.

SIMPLICITY FOR CHALLENGING CASES

Full-arch treatments are complex, but you can streamline the workflow with one connection, one instrument set, and short surgical protocols, complemented by a simplified abutment portfolio. Experience simplicity you'll love.



ONE CONNECTION. ONE DRILL SET. ONE INSTRUMENT SET.



TORCFIT™ CONNECTION

- One-size prosthetic connection across all diameters
- Bone-level prosthetics are compatible with Straumann® Zygomatic implants



STRAUMANN® VELODRILL™

- Allows the use of one drill set that is compatible with all implant designs
- Works with X- and C-Design
- For guided and freehand surgery
- All drills are available in three lengths for maximum flexibility



STRAUMANN® MODULAR CASSETTE

- The Straumann® Modular Cassette is a compact instrument cassette that can be assembled and combined in different ways, allowing you to customize it with the tools you need



STRAUMANN® ZYGOMATIC IMPLANT SYSTEM

- Shares the same prosthetic platform with BLX and BLC implants to simplify the restorative procedure for severely anatomic cases
- Two implant designs to address different anatomic situations

STRAUMANN® PRO ARCH **BONE LEVEL** IMPLANTS

Straumann® Bone Level Implants are designed for primary stability and offer you optimal treatment flexibility using clinically proven materials and technologies.⁵⁻¹³

1 IMPLANT DESIGNS FOR IMMEDIATE PROTOCOLS

Two bone level designs to tackle most patient situations intraoperatively.

2 SIMPLIFIED DRILL PROTOCOL

Fewer steps and flexible sequence for minimal heat generation.

3 ONE CONNECTION

TorcFit™ hybrid internal conical connection, one connection from \varnothing 3.3 to \varnothing 6.5 mm, with high strength for simplicity and efficiency.

Roxolid®



SLActive®





4 3.75 MM FOR ALL INDICATIONS

Enabling bone-preserving protocols with a \varnothing 3.75 mm implant applicable for all indications.

5 3.3 MM NARROW IMPLANT

Treatment options with narrow implants with Roxolid® high-performance material enable clinicians to preserve the bone and avoid bone grafting procedures in clinical situations with low bone volume.^{5,15}

6 6 MM BLX AND BLC

Short implants can help avoid sinus lift or vertical augmentation in cases where bone height is minimal.

7 ROUNDED ANGULATED ABUTMENT

- Designed to maximize space for soft tissue
- Choice of gingival heights: from 3.5 mm–5.5 mm, 35 Ncm torque
- Optimized SRA abutments portfolio. Only ten abutments for simplicity and reduced stock

8 DIGITAL INTEGRATION

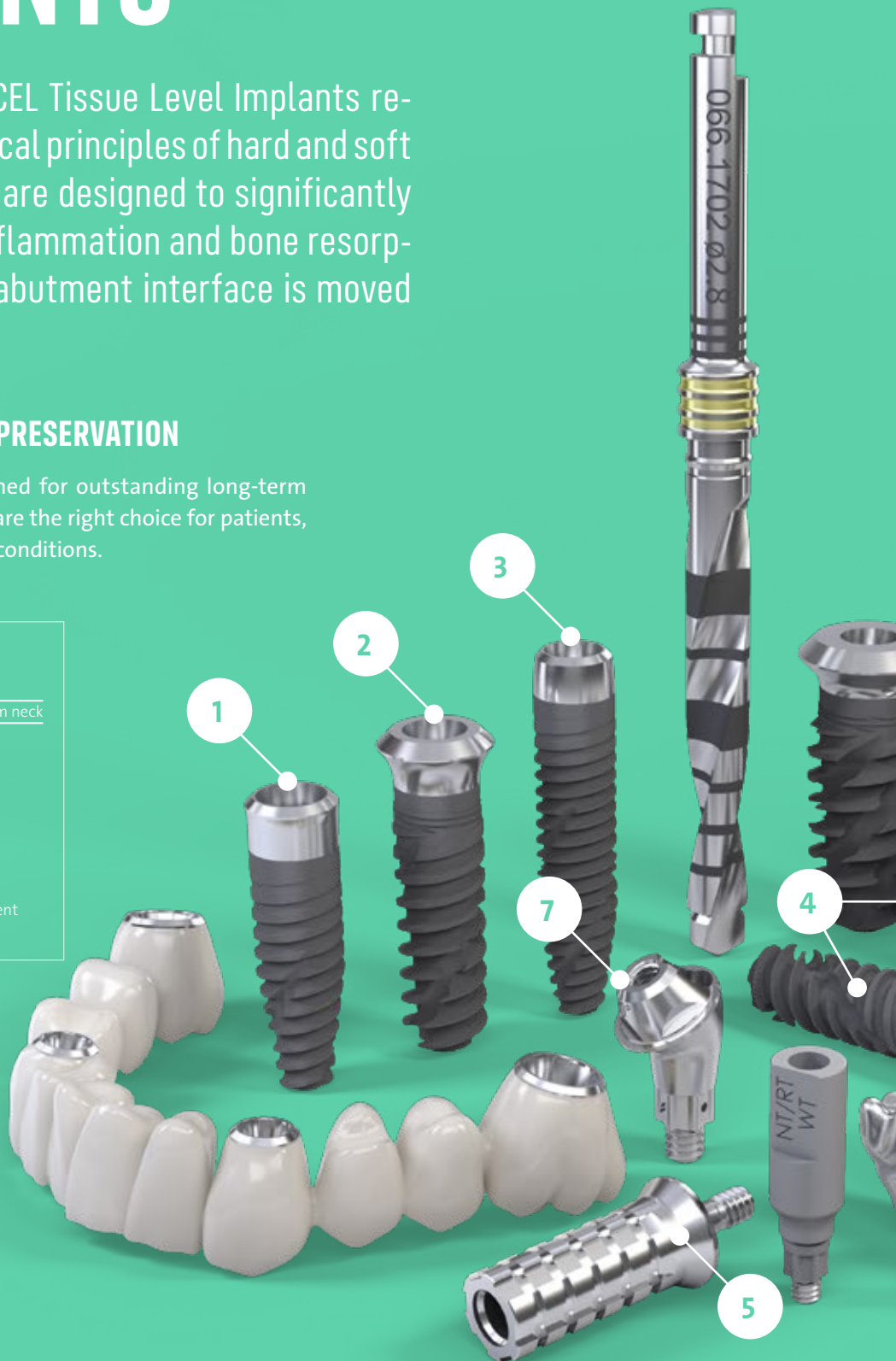
- Titanium Scanbodies for intraoral scanning.
- Straumann® RevEX scanbody to digitize the workflow from temporary to final restorations.

STRAUMANN® PRO ARCH TISSUE LEVEL IMPLANTS

The Straumann® iXCEL Tissue Level Implants respect the key biological principles of hard and soft tissue healing. They are designed to significantly reduce the risk of inflammation and bone resorption as the implant-abutment interface is moved away from the bone.

PERI-IMPLANT HEALTH PRESERVATION

No gap at bone level. Designed for outstanding long-term results. Tissue level implants are the right choice for patients, with a history of periodontal conditions.



1 DESIGNED FOR IMMEDIATE PROTOCOLS

Two tissue-level designs developed for optimal primary stability and immediate protocols in all bone types.

2 SIMPLICITY AND EFFICIENCY

- Built-in emergence profile and simple soft-tissue management
- Transgingival healing, no second-stage surgery
- Clear view and accessibility of the connection, even in the posterior region

3 EASY HYGIENE MAINTENANCE

To make patients' lives easier.

4 REDUCING INVASIVENESS

- 6 mm implant for limited bone height
- Narrow implant diameter option TLC 3.3 mm
- 3.75 mm for all indications

5 DIRECT TO IMPLANT WORKFLOW

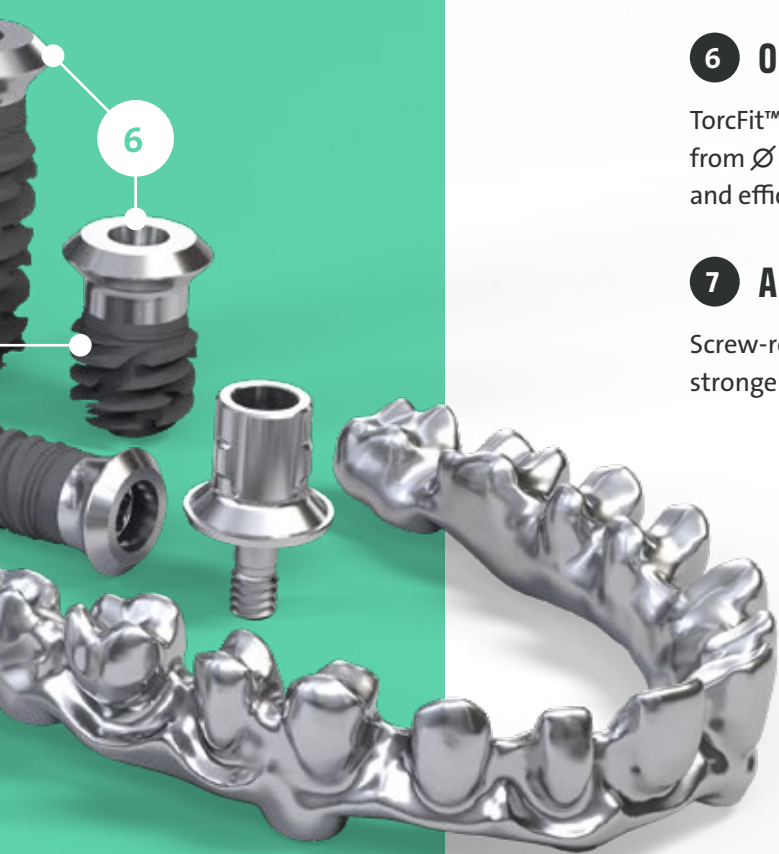
- Simplicity of the direct to implant protocol with Screw Retained Bridges and Bars or using Variobase® Bridge/Bar
- Up to 40° compensation of divergence between two implants

6 ONE CONNECTION

TorcFit™ hybrid internal conical connection, one connection from Ø 3.3 mm to Ø 6.5 mm, with high strength for simplicity and efficiency.

7 ANGLED ABUTMENT

Screw-retained abutments for the clinical situation where stronger tilting the implant is required and thick soft tissue.



Roxid®



SLActive®

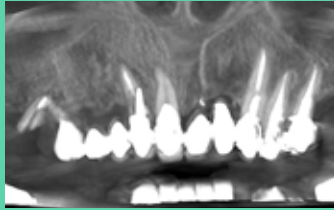


CLINICAL CASES

Immediate maxillary full-arch treatment using Straumann® Pro Arch BLC with a digital workflow



Dr. Andre Chen



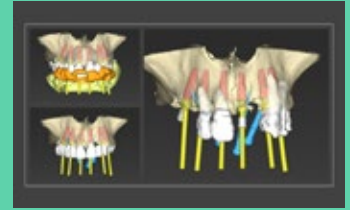
Pre-operative CBCT analysis



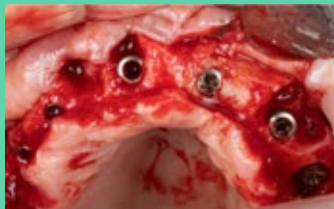
Digital smile design using Smilecloud



3D virtual impression position between arches



Full-arch digital planning in the maxilla. Alignment of implants' positions and surgical guide 3D position



Implants in final position. Straumann® BLC \varnothing 3.75 × 12 mm Roxolid®, SLActive® (#22, #12, #14, #24) and \varnothing 3.75 × 14 mm BLC (#26, #16)



Screw retained abutments in correct position



Provisional screw-retained upper full-arch restoration



Radiographic control. Provisional fixed restoration in final position

Immediate rehabilitation of the edentulous mandible with Straumann® Pro Arch TLX



Dr. Leonello Biscaro



Initial situation



Acrylic multifunctional guide in place



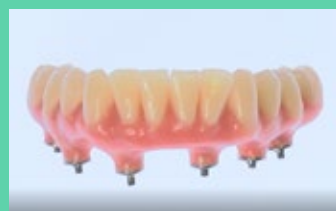
Placement of the Straumann® TLX implants \varnothing 3.75 mm, 8 mm, 12 mm, 10 mm, 14 mm length, Roxolid®, SLActive®



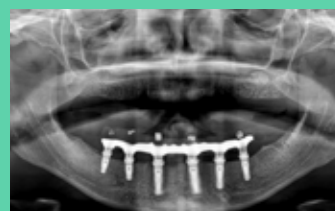
Initial TLX implants in place



Temporary copings for temporary prosthesis



Temporary prosthesis ready for immediate loading on the day of surgery

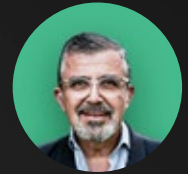


X-ray of the final restoration *in situ*

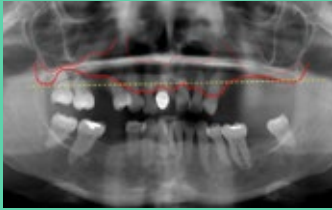


Final restoration in place

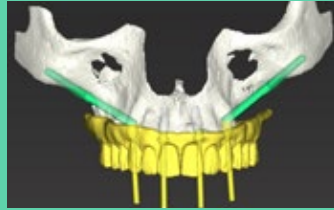
Immediate treatment of the severely atrophic maxilla with Straumann® Zygomatic implants and Straumann® BLX implants



Dr. Edmond Bedrossian



Panorex of the initial patient situation



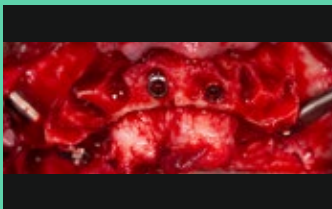
Treatment plan in coDiagnostix®, verification of the trajectory of the screw access holes



The surgical stent is superimposed over the printed maxilla model with the proposed implant positions and SRA abutments



Straumann® BLX Ø 4.5 mm implants were placed with 40 Ncm torque



Straumann® BLX, Straumann® ZAGA™ Flat and Straumann® ZAGA™ Round in place



Straumann® ZAGA™ Flat with Screw-retained abutment in place



Post-operative panoramic radiograph at final restoration placement



Final restoration in place

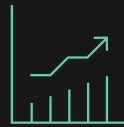


SCALE UP WITH STRAUMANN® UNIQ

An outsourced design and production service for patient-specific prosthetics.

In a time of digital transformation, when resources are scarce and competition is fierce, Straumann® UNIQ empowers you with a premium service to outsource the planning, design and manufacturing of your custom implant prosthetics.

EXCEL WITH CUSTOM PROSTHETICS



Scalable: grow your business without further investment in CAD resources or CAM equipment.



Reliable: deliver consistent, predictable results by leveraging the Straumann® 70-year legacy of Swiss engineering.



Comprehensive: extensive portfolio and wide compatibility with over 50 implant platforms and design options.



Flexible: pick and choose the on-demand workflow that is tailored to your needs.

RESTORATIVE FLEXIBILITY

With original systems, unequalled precision and consistent high quality, the Straumann® prosthetic portfolio addresses patients' esthetic expectations with the flexibility to fit their budget.





MILLED BARS TO SUPPORT ZIRCONIA RESTORATIONS

- Provides larger surface area for bonding vs. titanium-base coping and enhanced distribution of forces lighter than restorations produced with solid Zr
- Available through design service
- Efficient workflow – receive core file for bar and mill zirconia at the same time



THIMBLE BRIDGE – ASC

- Designed for easy maintenance and repair
- Angled screw channels for enhanced esthetics
- Individual crowns allow for a combination of esthetic and high-strength materials



BASIC AND ADVANCED HYBRIDS

- Easy tissue relining, ideal solution for ongoing tissue management
- Design versatility for retention
- Circumferential ledge provides additional support for teeth to prevent shearing increasing durability and stability

“Working with your service feels effortless, the flow is very fast and simple. I love the design approval process and the design quality is great.”

YDL Dental, Texas.



STRAUMANN® VARIOBASE® ABUTMENTS

- Enables a good solution for full-zirconia bridge/bar restorations
- Cylindrical upper shape supports reliable bonding of the framework



DIGITAL 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 benefit of your patients. Now you can confidently rely on one 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™*

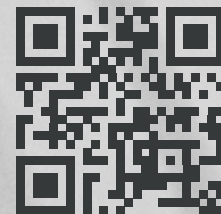
Go beyond image capturing and open the door to digital dentistry with Straumann SIRIOS™. With ultimate accuracy and a revolutionary scanning performance, it is specifically designed to unlock streamlined digital workflows.

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.

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 the need for 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.¹⁶⁻¹⁸

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.

STRAUMANN® ZYGOMATIC IMPLANT SYSTEM FOR SEVERELY ATROPHIC SITUATIONS



STRAUMANN® ZAGA FLAT

The flattened shaft design matches the patient's anatomy to accommodate bone deficit while respecting soft-tissue vascularity.

1 ROUND AND SMOOTH APICAL END

Protects soft tissue. 2.6 mm diameter

2 TAPERED DESIGN

- Maximized zygomatic anchorage
- Thread pitch optimized to 0.8 mm for controlled and fast implant insertion

3 REDUCED DISTAL DIAMETER (3.4 MM)

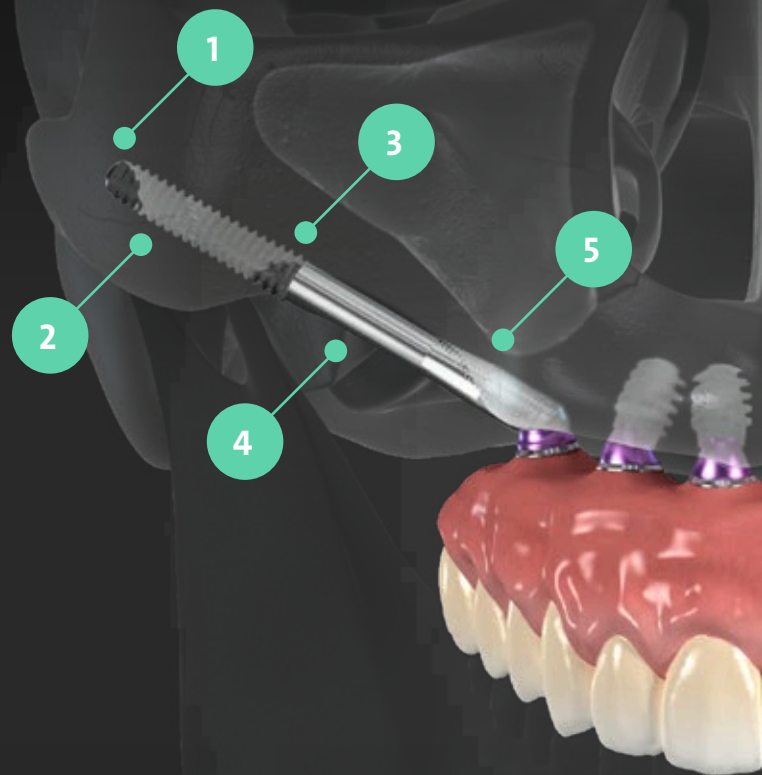
Designed for a less invasive osteotomy and implant placement in patients with smaller anatomy

4 MACHINED SMOOTH SHAFT

Provides less friction with soft tissue

5 CORONAL MICRO THREAD

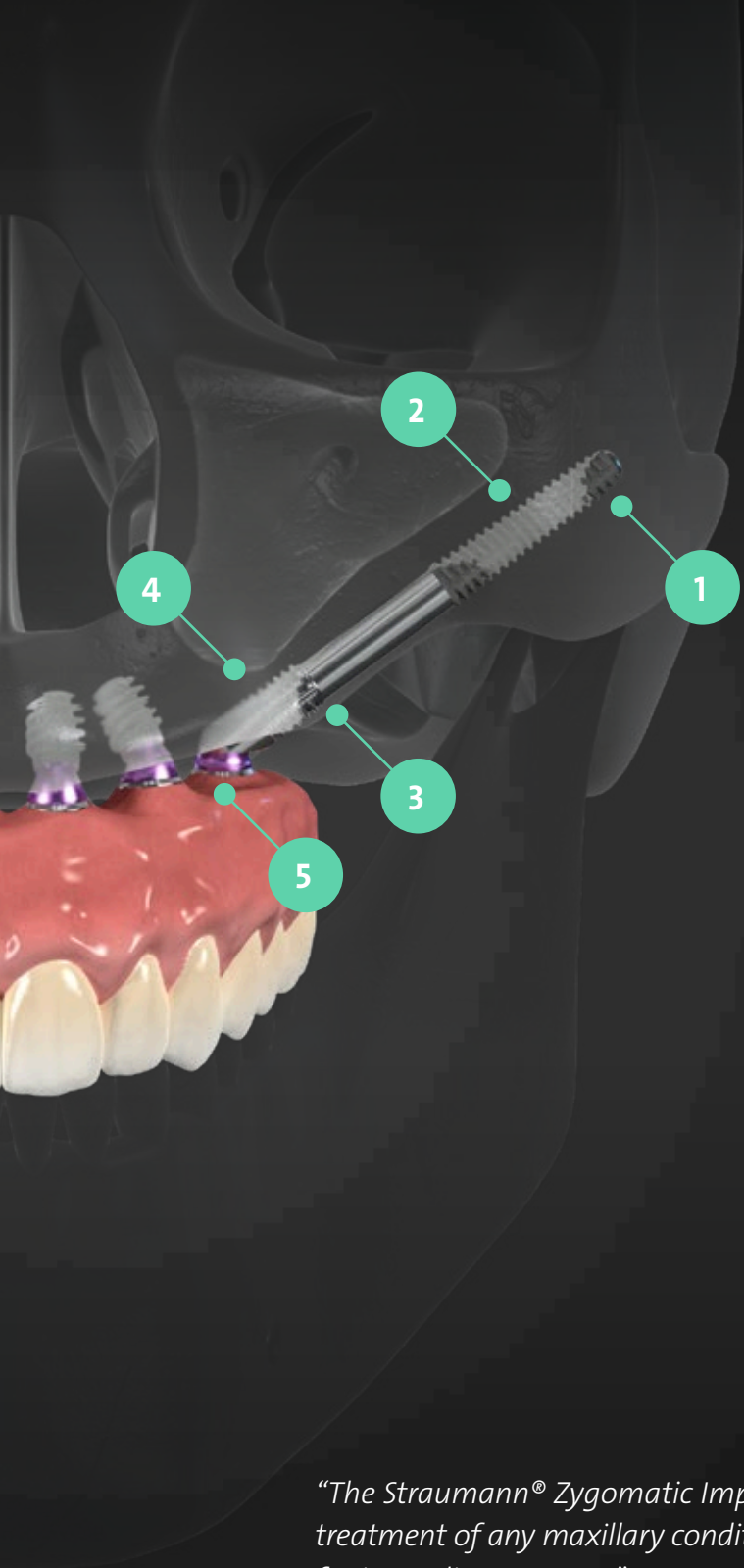
- Allows bone preservation and osseointegration with bone apposition
- Contributes to sinus sealing



“ZAGA™ Flat design allows a significantly more conservative osteotomy and better bone sealing while avoiding soft tissue compression.”

Dr. Carlos Aparicio

The Zygomatic Implant System completes the Straumann® edentulous portfolio with a premium solution providing you all the tools to treat full-arch indications from one source.



STRAUMANN® ZAGA ROUND

The machined smooth round shaft design provides less friction with soft tissue.

1 ROUND AND SMOOTH APICAL END

Protects soft tissue. 2.6 mm diameter

2 SANDBLASTED ROUGH SURFACES

Optimizes osseointegration in the zygomatic bone

3 CORONAL THREAD

Enables bone anchorage and osseointegration at the coronal level

4 CORONAL MICRO THREAD

→ Allows bone preservation and osseointegration with bone apposition

→ Contributes to sinus sealing

5 SINGLE PROSTHETIC CONNECTION

Optimized and simplified prosthetic portfolio

“The Straumann® Zygomatic Implant System facilitates the treatment of any maxillary condition ... it provides the total solution for immediacy concept.”

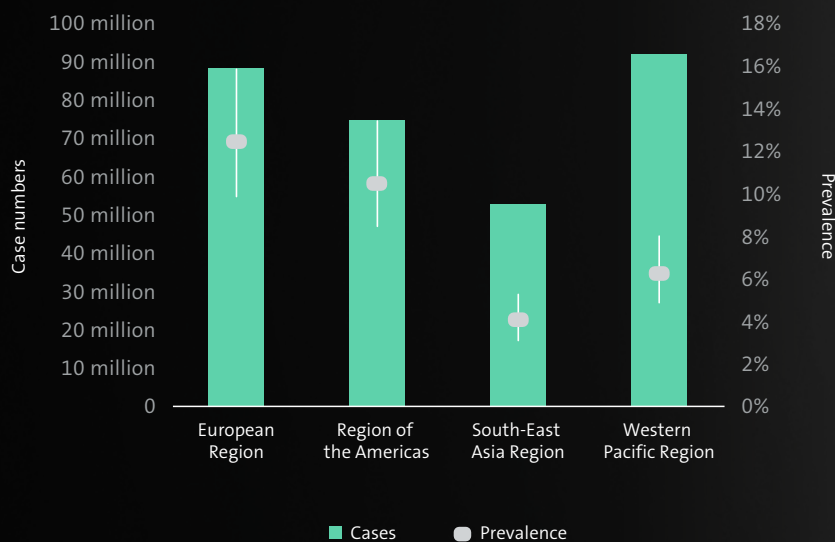
Dr. Edmond Bedrossian



READY FOR A CHALLENGE?

The global disease burden of edentulism is high. The World Health Organization (WHO) has estimated that the global prevalence of edentulous adults aged ≥ 60 is 23% (WHO, Oral Health Factsheet, March 2023). That equates to almost one in four adults older than 60 worldwide.¹⁹

Estimated cases and prevalence of edentulism per WHO region*



Note: Data is age-standardized, ≥ 20 years, from GBD 2019.¹⁹

*WHO Global oral health status report: Towards universal health coverage for oral health by 2030. ISBN 978-92-4-006148-4 (electronic version)

TRENDS IN DISEASE BURDEN 1990–2019

The global average prevalence of edentulism increased by 8% and the estimated global case numbers rose by 81% between 1990 and 2019, representing an additional 157 million cases.*

Case numbers more than doubled in all country income groups, except in high-income countries, where case numbers increased by 39%.*

The estimated global average prevalence of complete tooth loss is almost 7% among adults aged 20 years or older. For individuals aged 60 years or older, a much higher global prevalence of 23% has been estimated. Losing teeth can be psychologically traumatic, socially damaging and functionally limiting.¹⁹

WORLDWIDE:

350 MILLION EDENTULOUS CASES

1:4 ADULTS OVER 60 IS EDENTULOUS

**39% INCREASE IN EDENTULISM
IN HIGH-INCOME COUNTRIES**

**CASE NUMBERS MORE THAN
DOUBLED OVER 30 YEARS**

STRAUMANN® PRO ARCH* EXCEL IN FULL-ARCH.

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