EXCELLENCE IN IMMEDIACY

Straumann® TLX Implant System
Iconic Tissue Level meets Immediacy.
Every single time using TLX, I am left amazed and surprised with the results. I am experiencing a soft tissue response that I have never seen before. Following the same protocols as I always did, instead of good results we now have even better outcomes. The fundamental enhancement is unbelievable tissue response, and in challenging areas the tissue forgiveness is superb. For this reason I just can’t stop using it. My full arch and single tooth experience with TLX is very rewarding, not only for me but for our patients. Many times over the years with immediacy; I wished for a product like TLX.

Dr. Abid Faqir
Iconic Tissue Level meets Immediacy.

The design of the Straumann® TLX Implant takes into account key biological principles of hard and soft tissue healing.

By moving the micro-gap away from the bone, long-term success can be ensured, and the risk of inflammation and bone resorption significantly reduced.

Straumann® TLX has been perfected for immediacy and is an excellent solution for all other indications to suit the dentist’s preferred treatment protocol – ranging from immediate to conventional placement and loading.

The Straumann® TLX Implant System perfectly complements our bone-level BLX implant System. Both systems use one common drill set and TorcFit™ connection for maximum compatibility with minimum investment.

**Simplicity and Efficiency**
- A one-stage process with restoration at soft-tissue level allows you to use chair time more efficiently
- Ease of restoration even in the posterior region
- Highly efficient treatment protocol thanks to straightforward conventional and digitally integrated workflows

**Dynamic Bone Management**
- Redistribution of native bone and control over insertion torque

**Real Confidence**
- Swiss precision and quality with Roxolid® material and SLActive® surface
TLX Implant System

The next stage of evolution for Tissue Level Implants.

1986
Straumann® Tissue Level
Classic standard for timeless confidence.
► 30 YEARS OF DATA

1997
Straumann® SLA®
Longevity and efficiency in daily practice.
► 20 YEARS OF DATA

2005
Straumann® SLActive®
Performance beyond imagination.
► 15 YEARS OF DATA

2009
Straumann® Roxolid®
► 10 YEARS OF DATA

2019
BLX Implant System
Confidence beyond Immediacy.
► 200,000+ implants placed
2021

TLX Implant System
Iconic Tissue Level meets Immediacy.
Straumann® TLX Implant System Highlights

We have built on and perfected our well established scientifically proven Straumann® Tissue Level System, to take it to the next level.

DESIGNED FOR IMMEDIATE PROTOCOLS
Developed for optimal primary stability and immediate protocols in all bone types.

BORN DIGITAL
 Fully integrated in digital workflows. From the implant planning to the final customized prosthetic.
REDUCING INVASIVENESS
• Short implant option.
• A narrow implant diameter option, 3.75 mm for all indications.
• Multiple narrow neck options for limited space. Now for all indications.

PERI-IMPLANT HEALTH PRESERVATION
No gap at bone level. Designed for outstanding long-term results. The right choice for the patients, also with periodontal conditions history.

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.
The intelligent implant concept developed for optimal primary stability and immediate protocols in all bone types.

**Dynamic Bone Management**

**VARIABLE THREAD DESIGN**
Thin and progressive thread design for high primary stability and efficient insertion

**SLIM AND FULLY TAPERED IMPLANT CORE**
Allows for small and undersized osteotomy

**FULL LENGTH DYNAMIC CHIP FLUTE**
Collects and condenses native bone chips and distributes them around the implant body

**BI-DIRECTIONAL CUTTING ELEMENTS**
Designed for reverse and forward cutting control and flexibility during implant insertion

**DEEP APICAL THREADS**
Large anchoring surface for immediate engaging and stability

8

Straumann® TLX
Implant-abutment interface is positioned above bone level

Manages the healing of peri-implant tissue and preserves soft tissue that forms around the implant during healing phase

SIMPLICITY AND EFFICIENCY
Simple prosthetic portfolio working at soft tissue level reducing cementation challenges

EASY HYGIENE MAINTENANCE
To make patients life easier

BUILT-IN EMERGENCE PROFILE
Enhances shaping of soft tissue

MACHINED COLLAR
Manages the healing of peri-implant tissue and preserves soft tissue that forms around the implant during healing phase

NO MICRO-GAPS IN THE CRITICAL HEALING ZONE
Implant-abutment interface is positioned above bone level

2 NECK HEIGHTS
Two neck heights to facilitate different gingiva situations
Real Confidence

Swiss precision and quality with innovative technologies backed by long-term scientific evidence and fully integrated in our digital solutions workflows. Designed for predictable results you can trust.

**Roxolid®**
Reducing invasiveness with smaller implants
- Preserves vital structures and vascularization¹,²
- Reduces invasive grafting procedures¹,²
- Increases treatment options in challenging anatomical situations and narrow interdental spaces²,³

**SLActive®**
Performance beyond imagination
- Reduces healing period from 6 – 8 weeks down to 3 – 4 weeks in all indications*
- 98.2% implant survival rate in immediate loading after 10 years⁴
- Enhanced bone regeneration even at compromised sites⁵
- 100% implant survival rate in irradiated patients with compromised bone after 5 years⁵,⁶

* compared to SLA®. Indications: from single tooth to edentulous

**Straumann®**

**ASTM TiGr4⁴**

**Straumann® TiGr4 cold worked⁸**

**Straumann® Roxolid⁸**

---

Mineralization after 21 days⁹
DESIGNED TO PRESERVE PERI-IMPLANT HEALTH

Straumann® Tissue Level Implant design takes into account the key biological principles of hard and soft tissue healing. Simulating the natural situation of biological width formation is crucial for the health of peri-implant tissues. Preserving the tissues and attachments formed around the implant helps ensure long-term treatment success and significantly reduces the risk of inflammation and bone resorption.2,3 This iconic design has proven its efficacy and will continue to provide long-term peace of mind, time after time.

PROVEN STANDARD OF EXCELLENCE

A large independent study on peri-implantitis demonstrated substantial differences between implant systems and the occurrence of peri-implantitis. The probability of being diagnosed with peri-implantitis nine years after implant therapy was lowest with the Straumann® Tissue Level SLA® Implants compared to alternative systems.

The future in implant dentistry is with neck designs combining a smooth surface in the trans-mucosal area with a micro-rough surface inside the bone. As the Derks study showed, moving the micro-gap away from the bone and having a smooth surface in the peri-implant sulcus reduces the risk of peri-implant complications. TLX combines this concept with an innovative endosteal design, ensuring optimal primary stability, and will open a range of new clinical possibilities.

A source of confidence. Proven clinical advantages.

Odds ratios of peri-implantitis nine years after implant placement

<table>
<thead>
<tr>
<th>Implant System</th>
<th>Odds Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straumann®</td>
<td>1</td>
</tr>
<tr>
<td>Nobel Biocare®</td>
<td>3.7</td>
</tr>
<tr>
<td>Astra® Tech Implant System</td>
<td>3.5</td>
</tr>
</tbody>
</table>

98.3% Nobel Biocare® implants with the TiUnite® surface
96.6% Astra® Tech implants with TiOblast® surface
All Straumann® TL Implants with SLA® surface
Prosthetic portfolio, designed to meet the needs of all treatment workflows and focusing on immediate protocols.

SIMPLE AND COMPREHENSIVE PROSTHETIC SOLUTIONS

Prosthetic at soft tissue level is simple and reduces cementation challenges. Meeting a wide range of prosthetic needs: straightforward, high esthetics, advanced.

HIGH ESTHETICS

Solution for cases requiring an enhanced degree of individualization combined with zirconia for high esthetics, or high noble gold alloys.

ADVANCED

Technically advanced solution for cases requiring an enhanced degree of individualization. Perfectly adapted to the digital workflow.

STRAIGHTFORWARD

Cost-effective solution with standard components and techniques for straightforward cases.

TorcFit™ Connection

Tight connection sealing

Ease of handling:
- Simple abutment placement at the soft-tissue level
- Easy handling of direct-to-implant restorations

Delivers high flexibility and high strength.

Abutment screw engages in implant only if seated correctly. So no hassle to confirm proper seating by x-ray.
STRAUMANN® MODULAR CASSETTE

A cassette that grows with you
- One surgical protocol for TLX and BLX.
- VeloDrill™: cool drilling, no collateral tissue damage

BORN DIGITAL

Fully integrated in the Straumann Group Digital Solutions ecosystem.

STRAUMANN® BIOMATERIALS

Advanced solutions for immediate treatment protocols:
- Straumann® XenoGraft: Natural, bovine bone substitute for extended stability
- Jason® membrane: Thin and tear-resistant membrane with a long barrier function, derived from native collagen from porcine pericardium
- mucoderm®: Stable, easy-to-handle collagen matrix derived from porcine dermis for soft-tissue augmentation, it reduces morbidity and increases patient comfort compared to autogenous grafts

For a complete overview of the DIGITAL PRODUCTS AND SERVICES, like Smile in a Box®, visit our website:
We have built on and perfected our well established scientifically proven Straumann® Tissue Level System, to take it to the next level.

Wide range of implant diameters and lengths

<table>
<thead>
<tr>
<th>TorcFit™ Connection</th>
<th>3.75</th>
<th>4.5</th>
<th>5.5</th>
<th>6.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT Narrow TorcFit™</td>
<td>6 mm</td>
<td>8 mm</td>
<td>10 mm</td>
<td>12 mm</td>
</tr>
<tr>
<td>RT Regular TorcFit™</td>
<td>14 mm</td>
<td>16 mm</td>
<td>18 mm</td>
<td></td>
</tr>
<tr>
<td>NT Narrow TorcFit™</td>
<td>6 mm</td>
<td>8 mm</td>
<td>10 mm</td>
<td>12 mm</td>
</tr>
<tr>
<td>RT Regular TorcFit™</td>
<td>14 mm</td>
<td>16 mm</td>
<td>18 mm</td>
<td></td>
</tr>
<tr>
<td>WT Wide TorcFit™</td>
<td>6 mm</td>
<td>8 mm</td>
<td>10 mm</td>
<td>12 mm</td>
</tr>
<tr>
<td>WT Wide TorcFit™</td>
<td>14 mm</td>
<td>16 mm</td>
<td>18 mm</td>
<td></td>
</tr>
</tbody>
</table>

All indications

REFERENCES

7 Straumann (2016). SLActive supports enhanced bone formation in a minipig surgical GBR model with coronal circumferential defects. Unpublished data.
8 Norm ASTM F67 (states min. tensile strength of annealed titanium); data on file for Straumann cold-worked titanium and Roxolid® implants.
9 Maniura K. Laboratory for Materials – Biology Interactions Empa, St. Gallen, Switzerland. Protein and blood adsorption on Ti and TiZr implants as a model for osseointegration. EAO 22nd Annual Scientific Meeting, October 17-19, 2013, Dublin.