


Straumann® Tissue Level Implant System
Classic standard for
timeless confidence.





I use the Straumann® Tissue Level Implant in all situations, it is my default system. Over the last 20 years, it has provided very good long-term success to my practice. It is simple, straightforward, a win-win solution for all concerned.

Robert A. Jaffin
DMD, USA.

Continuity and success inspiring generations

The value of a classic standard is appreciated and shared over generations. It has proven successful innumerable times, gives peace of mind and is constantly refined by passionate people.

Unique when launched in 1997, the Straumann® Tissue Level Implant System is now a true standard of excellence in dental implantology. With more than 13 million implants placed since 2003, it has become one of the best documented and most predictable implant systems on the market. A system based on timeless design, continuously reinforced by innovative developments, that deliver outstanding long-term success and results you can be confident in.

Our tissue level implants set the ground for reliable results. Combined with our wide choice of precision-engineered prosthetic solutions they are the perfect match for long-term success.

Timeless design and prosthetic precision in harmony.



RELIABLE

Outstanding clinical performance with unequalled precision for long-lasting success.



EASY-TO-USE

Straightforward workflow.
Easy to place. Easy to restore.
Easy to maintain.



VERSATILE

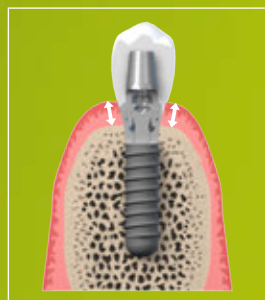
An adaptable solution for every clinical need and every workflow.

The perfect match, designed for long-term success.



Reliable

Preserving peri-implant health¹



- Machined collar manages the healing of peri-implant tissue and preserves soft-tissue that forms around the implant during healing phase
- Built-in emergence profile enhances shaping of soft tissue
- Implant-abutment interface is positioned above bone level
- No micro-gaps in the critical healing-zone



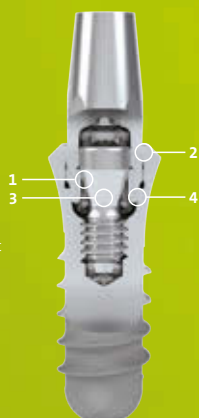
Original

A perfect fit with original components

- Knowledge of the exact dimensions and tolerances
- High-precision manufacturing and an extensive inspection process ensure consistent quality
- Lifetime guarantee on original Straumann® components

FEATURES

1. Conical screw head
2. Tight conical implant/abutment interface
3. Tension screw
4. Deep implant/abutment engagement



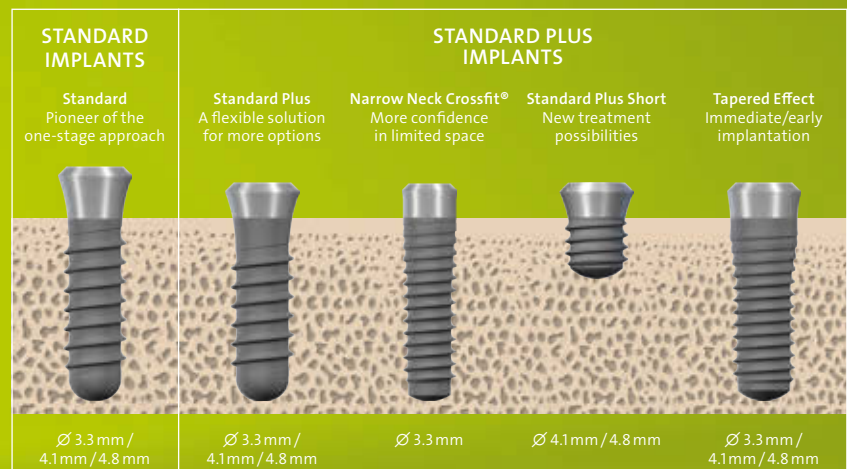
BENEFITS

1. No peak stresses, self-locking effect
2. Sealed connection
3. Avoid screw loosening or breakage
4. High stability

↔ | Versatile

A comprehensive solution for every clinical need

- **Wide choice of prosthetic solutions**
 - Screw-retained and cement-retained
 - Single and multi-unit
 - From cost-effective to premium
 - For conventional and digital workflows
- **Precise and flexible positioning with the synOcta® connection**
 - Internal connection ensures a secure link and protects against rotation
 - Octagonal shape allows flexible and precise abutment positioning
 - Combination of Morse taper with 8° cone with cold welding ensures reliable vertical positioning
- **Versatile implant options maximize treatment flexibility**
 - Standard 2.8 mm neck implant: the pioneering solution for one-stage, transgingival healing
 - Standard Plus 1.8 mm neck implant: the flexible solution for more options



👍 | Easy-to-use

Greatly reduces treatment complexity

- One-stage surgery with integrated soft tissue management
- Easy to restore with clear access to implant connection
- Easy to maintain due to height of the machined collar



I think the Derks' study is really fascinating because it looks at the real-world application of an implant. What makes the Derks study important for showcasing the Tissue Level Implant and the health of the peri-implant tissue, is the fact that the bacterial burden is moved away from the bone; as such, you avoid preliminary bone loss around the top of the implant.

David French
BSc, DDS, Canada.



A source of confidence. Proven clinical advantages.

DESIGNED TO PRESERVE PERI-IMPLANT HEALTH¹

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-implantitis¹ 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.

Odds ratios of peri-implantitis nine years after implant placement¹

Straumann | 1



Nobel Biocare | 3.7



Astra® Tech Implant System | 3.5



98.3 % Nobel Biocare Implants with the TiUnite® surface
96.6 % Astra Tech implants with TiOblast® surface
All Straumann TL implants with SLA® surface.

Outstanding performance. Tried. Tested. Trusted.

Our Tissue Level Implant has become one of the best documented and most predictable systems on the market today. Trust in its heritage and benefit from our continuous technological improvements:

- 2006: SLActive® implant surface for extensive healing power
- 2009: Roxolid® alloy with unrivaled mechanical strength
- 2012: Narrow Neck CrossFit® Implant for limited interdental spaces

RESULTS IN PARTIALLY EDENTULOUS PATIENTS: 10 YEARS OF CLINICAL DATA^{4,5}

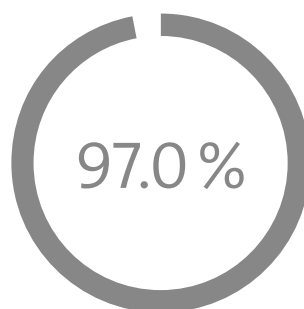
The 10-year retrospective study on partially edentulous patients demonstrated high survival and success rates for the Straumann® Tissue Level Implant System:

- Outstanding implant survival-rate (98.8 %) and success rate of secondary prosthetic components (97.0 %) after 10 years
- Large sample size: 303 patients and 511 implants
- No implant fractures observed
- Remarkably low prevalence rate of peri-implantitis (1.8 %)

Implant survival rate (10 years)



Success rate of original* Straumann prosthetic secondary components (10 years)



Complications: 3 % (n = 13)

- 2.57 % Occlusal screw loosening (n = 10)
- 0.26 % Occlusal screw fracture (n = 1)
- 0.26 % Abutment fracture (n = 1)
- 0.26 % Abutment loosening (n = 1)

The calculation is based on n=388 reevaluated reconstructions (397 original reconstructions – 9 non-prosthetic failures) Wittneben et al. (2014, p. 3 and p. 6). In total, there were 13 abutment-related complications (10x occlusal screw loosening, 1x occlusal screw fracture, 1x abutment loosening, 1x abutment fracture) Wittneben et al. (2014, p. 5)

* Personal communication: Dr. Wittneben: For 278 out of the 303 patients, 100 % original Straumann prosthetic components could be verified; 25 patients could not be contacted as their dentists had retired during the study period.

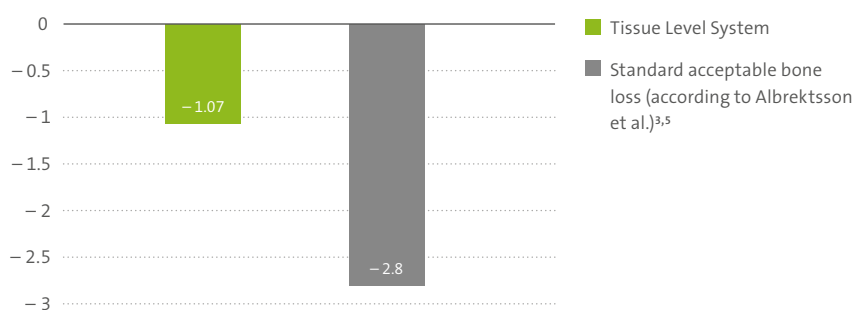


PREDICTABLE OUTCOMES IN FULLY EDENTULOUS PATIENTS: 10 YEARS OF CLINICAL DATA⁶⁻⁸

Ten years of data from prospective clinical studies using the Straumann® Tissue Level System in the edentulous maxilla confirms its high treatment success rate from both a surgical and restorative perspective:

- High bone stability around the implant after 10 years
- No implants lost between 5 and 10 years*
- No fracture of the Straumann® abutments or abutment screws during the 10-year period
- No evidence of peri-implantitis after 10 years**

Mean of marginal bone loss after 10 years (in mm)



* One patient dropped out before 10-year evaluation. No further implants were lost between 5 and 10 years.

** Except in one patient with severe periodontitis.

Ease-of-use and efficiency reduce complexity in your workflow.

Placement at tissue level and the machined 45° collar promotes fast healing of the peri-implant soft tissues, making the Straumann® Tissue Level Implant System easy-to-use and beneficial in reducing treatment complexity.

EASY TO PLACE

The Straumann® Tissue Level Implant has an integrated tulip-formed, machined collar that shapes the soft tissue around the implant and reduces the need for time-consuming soft tissue management procedures.

The transgingival collar minimizes both surgical and prosthetic treatment complexity:

- **Designed for one-stage surgery**
- **Preserves the soft tissue** that forms around the implant during the healing phase
- **Built-in emergence profile** enhances shaping of the soft tissues

EASY TO RESTORE AND MAINTAIN

The Straumann® Tissue Level System can reduce chair time and minimize treatment complexity. Its unique design, allows you to easily access the implant at the soft tissue level:

- **Provides a clear view of and easy access to the implant connection**, even in the posterior region
- **Facilitates an efficient workflow** with impressions at abutment or implant level
- **Makes abutment placement easier**
- **Simplifies hygiene maintenance** for patients due to the height of the machined collar

TREATMENT WORKFLOW ON TISSUE LEVEL SYSTEM



1. Placement of an implant



2. Healing abutment



3. Provisional abutment



4. Conventional impression



5. Insertion of the abutment



6. Crown in place



To find out more about the latest developments on Straumann® Tissue Level Implant System contact your local Straumann® representative now or visit tl.straumann.com.

REFERENCES

1 Derks J, Schaller D, Hakansson J, Wennstrom JL, Tomasi C, Berglundh T. Effectiveness of Implant Therapy Analyzed in a Swedish Population: Prevalence of Peri-implantitis. *J Dent Res*. 2016 Jan; 95(1):43-9. (Doctoral thesis reference: ISBN 978-91-628- 9491-7). **2** Hermann JS, Buser D, Schenk RK, Higginbottom FL, Cochran DL. Biologic width around titanium implants. A physiologically formed and stable dimension over time. *Clin Oral Implants Res*. 2000 Feb;11(1):1-11. **3** Hermann JS, Buser D, Schenk RK, Schoolfield JD, Cochran DL. Biologic Width around one- and two-piece titanium implants. *Clin Oral Implants Res*. 2001 Dec;12(6):559-71. **4** Buser D, Janner SF, Wittneben JG, Brägger U, Ramseier CA, Salvi GE. 10-Year Survival and Success Rates of 511 Titanium Implants with a Sandblasted and Acid-Etched Surface: A Retrospective Study in 303 Partially Edentulous Patients. *Clin Implant Dent Relat Res*. 2012 Dec;14(6):839-51. **5** Wittneben JG, Buser D, Salvi GE, Bürgin W, Hicklin S, Brägger U. Complication and failure rates with implant-supported fixed dental prostheses and single crowns: a 10-year retrospective study. *Clin Implant Dent Relat Res*. 2014 Jun;16(3):356-64. **6** Fischer K, Stenberg T. Prospective 10-year Cohort Study Based on a Randomized Controlled Trial (RCT) on Implant-Supported Full-Arch Maxillary Prostheses. Part 1: Sandblasted and Acid-Etched Implants and Mucosal Tissue. *Clin Implant Dent Relat Research*. 2012 Dec;14(6):808-15. **7** Fischer K, Stenberg T. Prospective 10-year cohort study based on a randomized, controlled clinical trial (RCT) on implant-supported full-arch maxillary prostheses. Part II: Prosthetic outcomes and maintenance. *Clin Implant Dent Relat Research*. 2013 Aug;15(4):498-508. **8** Albrektsson T, Zarb G, Worthington P, Eriksson AR. The long-term efficacy of currently used dental implants: A review and proposed criteria of success. *Int J Oral Maxillofac Implants*. 1986 Summer;1(1):11-25.

International Headquarters

Institut Straumann AG
Peter Merian-Weg 12
CH-4002 Basel, Switzerland
Phone +41 (0)61 965 11 11
Fax +41 (0)61 965 11 01
www.straumann.com