Straumann® SLActive®
Performance beyond imagination.
IMMEDIATE LOADING
High predictability in immediate loading

FASTER OSSEOINTEGRATION*
To enhance confidence in all treatments

ENHANCED BONE FORMATION
Significantly higher formation of new bone aggregate

*Compared to SLA
For over six decades, Straumann® has made significant contributions to the dental industry, helping to progress the education and technology of dental implants. Through innovation, we’ve made faster treatment and shorter healing time a reality. SLActive® is designed to provide higher treatment predictability even in challenging protocols to help reduce the overall treatment complexity.

As dental implants are now becoming a mainstream treatment option, clinicians face ever-increasing patient expectations. Patients expect successful treatment results irrespective of their bone quality, age, lifestyle, or medical history.

Achieving predictable treatment outcomes has been the main focus of the SLActive clinical development strategy. Together with leading clinicians worldwide, Straumann has studied the clinical performance of SLActive implants under challenging treatment protocols to demonstrate the healing capacity of the SLActive surface. As new insights emerge and new data becomes available, discover how you can benefit from the truly phenomenal performance of SLActive to maximize your patients’ healing capabilities.

**Implant Survival Rate in Immediate Loading after 10 Years**

98.2% survival rate

Randomized controlled multicenter study

*Based on preliminary data.
Immediate loading with long-lasting results.

New long-term data from a randomized, controlled, multicenter study demonstrate the impressive performance of SLActive® with immediate loading. In fact, the SLActive implants delivered a 10-year survival rate of 98.2% in this challenging protocol.²*

Increasing patient expectations continue to drive demand for faster, and more efficient treatment protocols. Immediate loading allows the clinician to place a prosthetic restoration on the same day as the implant.

This approach allows a patient to benefit from the restoration immediately. However, this demanding protocol carries a higher risk of failure due to premature loading of a healing implant.

*Based on preliminary data.
Study design

**Indication**
Maxilla or mandible of partially edentulous patients, temporary restoration (single crown or 2–4 unit fixed partial denture) was replaced by permanent restoration 20 to 23 weeks post surgery.

**Randomized controlled multicenter study**
- Weiden, Germany
- Coimbra, Portugal
- Witten/Herdecke, Germany

**Early loading**
50 implants (restored after 28–34 days)

**Immediate loading**
39 implants (restored the same day)

**64 Patients**

**10 years**
Study follow-up

**Randomized controlled multicenter study**

**Implant Survival Rate in Immediate Loading after 10 Years**

- 98.2% survival rate

**Study Conclusion**
- SLActive® implants provide a long-term highly predictable treatment option

*Based on preliminary data.*
Discover the healing power of the high-performance surface.
More than surface technology. An increased level of confidence.

Faster healing and increased implant stability is the ultimate goal of an implant surface during osseointegration. This increases the predictability during the early healing phase and leads to a structural and functional connection between vital bone and the implant. The SLActive® surface is designed to provide faster osseointegration, reducing the healing period from 6 – 8 weeks to 3 – 41 weeks in all indications.*

* From single tooth to edentulous
Reduce healing time from 6 – 8 weeks to 3 – 4 weeks

There is a high risk of early implant loss during the critical early healing phase between 2 – 4 weeks after implant placement.\(^4\) SLActive\(^®\) is designed to deliver better osseointegration properties by achieving secondary stability sooner than hydrophobic surfaces, thereby increasing predictability during the early healing time and reducing the stability dip.\(^5\)
HIGH STABILITY IN EARLY IMPLANT PLACEMENT POST-EXTRACTION

The timing of implant placement post-extraction in the esthetic zone is considered to be an important success factor. Ridge changes after tooth extraction may occur because of bone resorption and may often result in a crater-like bone defect on the facial aspect of the extraction site. SLActive® demonstrates long-term stability of peri-implant hard and soft tissues after 6 years with highly esthetic outcomes in early implant placement.

Crestal bone change displayed by the mean DIB (Distance from implant shoulder to first BIC)

Hydrophilic properties and chemical activity

Surface based on the scientifically proven SLA® topography
Enhanced bone formation. Even at compromised sites.

Bone defects can compromise the predictability of osseointegration. In a recent preclinical study, SLActive® showed significantly higher formation of new bone aggregate within eight weeks compared to the standard Straumann® SLA® hydrophobic surface.

Buccal bone to implant contact was significantly higher in SLActive® groups as compared to standard SLA®, highlighting the benefit of SLActive® to support faster bone integration, in coronal circumferential defects.

BONE AGGREGATE FORMATION AT 8 WEEKS.

Histological views of bone aggregate (new bone and grafting material) 8 weeks post-grafting.

*botiss cerabone is not available in all countries.
• REDUCE TREATMENT TIME
• REDUCE HEALING TIME
• REDUCE COMPLEXITY

Please contact your local sales representative to get more information about the advantage of the SLActive surface now or visit www.straumann.us or www.straumann.ca.
REFERENCES


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

Straumann North American Headquarters
Straumann USA, LLC
60 Minuteman Road
Andover, MA 01810
Phone 800/448 8168 (US) • 800/363 4024 (CA)
Fax 978/747 2490
www.straumann.us • www.straumann.ca

© Straumann USA, LLC 2016. All rights reserved.
Straumann® and/or other trademarks and logos from Straumann® that are mentioned herein are the trademarks or registered trademarks of Straumann Holding AG and/or its affiliates. All rights reserved.