



**SIMPLY BETTER\***  
STRAUMANN® SLActive®



\* Simply better refers to Straumann's efforts to continuously improve its products to elevate the field of dental implantology.

COMMITTED TO  
**SIMPLY DOING MORE**  
FOR DENTAL PROFESSIONALS<sup>SM</sup>

# SLActive® – RESULTING IN HIGHER CON

## HIGH STABILITY AND PREDICTABILITY

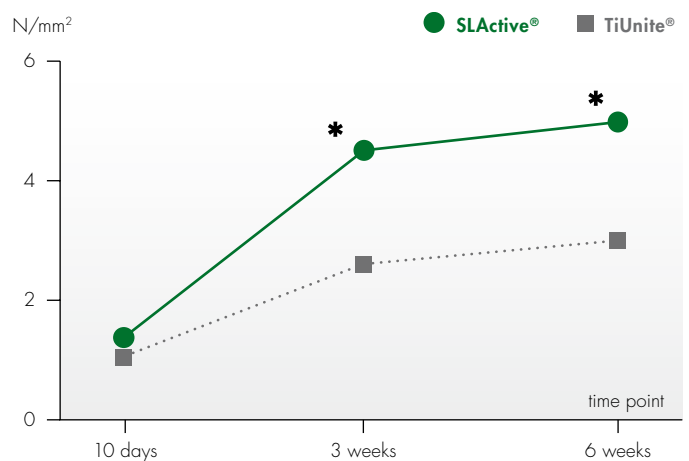
The critical time frame for implant healing in humans would be 2 – 3 weeks post-placement.<sup>1</sup>

SLActive® is designed to deliver high stability and has shown to be predictable in early treatment, giving you confidence in the treatment outcome.

Immediate and early loading with Straumann®

SLActive implants yields excellent survival rates (98% and 97% after 1 year).<sup>2</sup>

**Significantly higher shear strength values for SLActive than for TiUnite® after 3 and 6 weeks<sup>3</sup>**



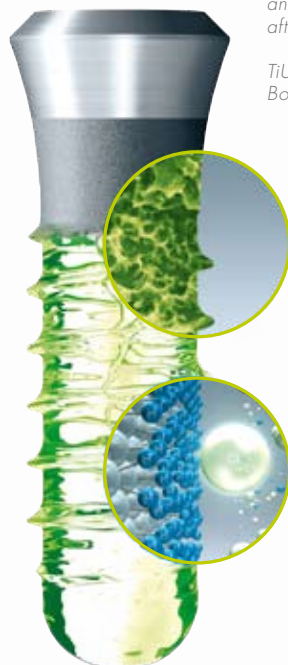
**Fig. 1:** In an animal model: Shear strength (N/mm<sup>2</sup>) after 10 days, 3 weeks and 6 weeks after implant placement. \*  $p=0.001$  after 3 weeks,  $p=0.002$  after 6 weeks

TiUnite® is a registered trademark of Nobel Biocare AB, Bohusgatan 15, Sweden

<sup>1</sup>Based on observations in an animal model, S. Raghavendra et al. 2005. IJOMI 2005;20: 425-431

<sup>2</sup>J. Ganeles, A. Zöllner, J. Jackowski, C. ten Bruggenkate, J. Beagle, F. Guerra. Immediate and early non-occlusal loading of Straumann® implants with SLActive® surface: 1 year results from a prospective multicenter randomized-controlled study. Clin. Oral Impl. Res. 2008;19:1119-1128

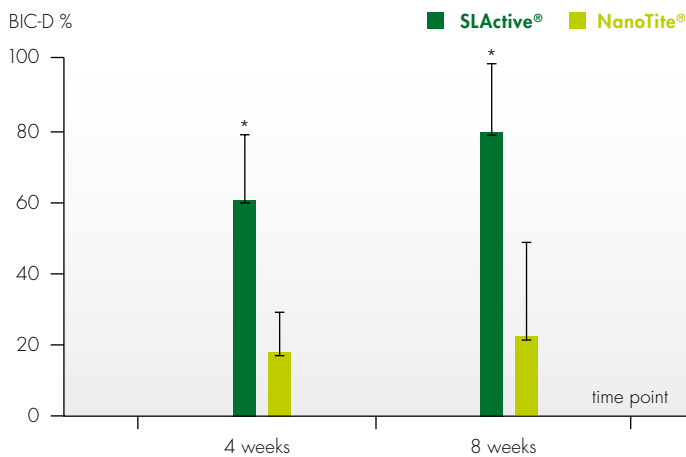
<sup>3</sup>J. Gottlow et al., S. Barkarmo, L. Sennerby. A biomechanical and histological study in the rabbit. Results presented at the Toronto Osseointegration Conference, May 2008



# CONFIDENCE FOR YOU AND YOUR PATIENTS

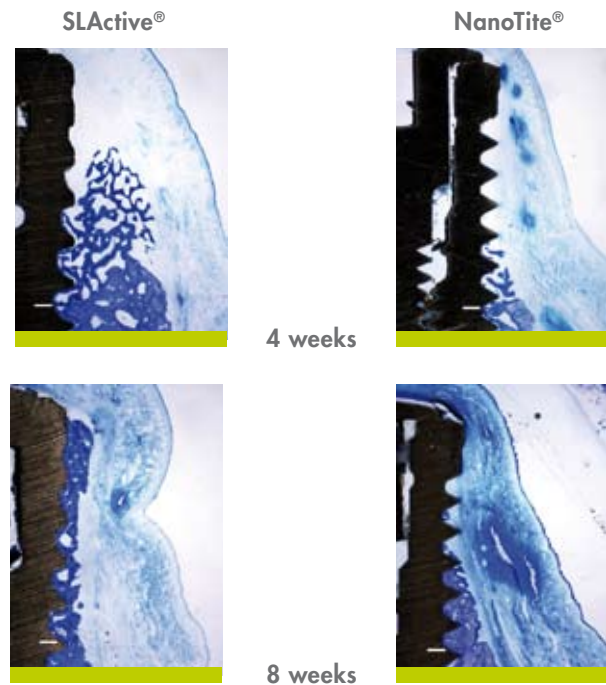
## EXCELLENT OSSEOINTEGRATION

An experimental study in dogs demonstrated significantly higher bone-to-implant contact for SLActive® after 4 and 8 weeks when compared to NanoTite®. In this animal study, bone regeneration in dehiscence-type defects is supported by SLActive implants rather than by NanoTite implants.<sup>4</sup>



**Fig. 2:** Histomorphometrical analysis of BIC-D. BIC-D = percent of bone to implant contact in the defect area. \*  $\alpha < 0.05$

NanoTite® is a registered trademark of BIOMET 3i, Inc., USA.



**Fig. 3:** Histological views after 4 and 8 weeks of submerged healing. Original magnification  $\times 30$ . The bar indicates the bottom of the defect.

<sup>4</sup> F. Schwarz, D. Ferrari, M. Wieland, M. Sager, J. Becker. An experimental study in dogs. Presented at the EAO 2008, Warsaw

# SLActive – SETTING NEW STANDARDS IN IMPLANT TECHNOLOGY

**Knowledge, experience and a refined technique are key to delivering successful treatment in daily practice.**

- Straumann implants featuring the SLActive® hydrophilic surface are designed for your success
- SLActive surface promotes faster osseointegration\*
- The SLActive surface has faster implant secondary stability in the early healing period of 2 to 4 weeks after implant placement\*

\* When compared to SLA® in animal studies



[www.straumann.com](http://www.straumann.com)



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