

Straumann® PURE Ceramic Implant System

Discover natural PURE white.
Love your smile.





OUTSTANDING ESTHETICS

Favorable soft tissue attachment,
high-end esthetic restorations



PROVEN QUALITY

High performance zirconia ceramic,
100 % proof tested

The natural and strong solution. Makes patients love their smiles.

Nothing is more winning than a light-hearted and happy smile. With the PURE Ceramic Implant System even very demanding patients can smile with confidence. Without compromising on esthetics, reliability and the most natural choice of material.

With the Straumann® PURE Ceramic Implant System you can grant the best esthetic, natural and strong treatment to your patients. They will benefit from all the highly esthetic advantages of a natural ceramic implant, ivory-colored like a natural tooth root and even in cases of thin gingiva biotypes not shining through. Yet you can rely on our high-performance zirconia ceramic material, being even stronger as the gold standard, grade-4 titanium implants.

The Straumann® PURE Ceramic Implant System is the result of more than 12 years of relentless research and development until the ceramic implants complied with our premium quality standards. They combine Swiss quality and precision, strength, clinical success and flexible treatment protocols in an innovative solution that helps you to meet the needs of your patients.

The Straumann® PURE Ceramic Implant System is available as monotype design in the endosteal diameters of 4.1mm and 3.3mm and as two-piece design in the endosteal diameter of 4.1mm.



EXCEPTIONAL SURFACE

ZLA® surface with revolutionary osseointegration features



FLEXIBILITY

Flexible treatment protocols, digital pre-operative implant planning



INNOVATIVE

A new system that helps you expand your patient pool

PURE Ceramic Implant System



Outstanding esthetics

- High-end esthetic restorations thanks to ivory colored natural ceramic material
- In general, more favorable soft tissue attachment around ceramic than around titanium, with blood circulation similar to that around natural tooth^{1,2}



Innovative

- A recent survey conducted in Europe with more than 250 participants showed that more patients would prefer a ceramic implant over a titanium implant even when this means higher treatment costs and longer treatment time³
- New design of inner connection of the PURE Ceramic Implant together with the respective Straumann® abutments especially developed for the Straumann® PURE Ceramic Implant combines reliable Straumann performance with highly PURE esthetic results



Preferably ceramic implants



Preferably metallic implants



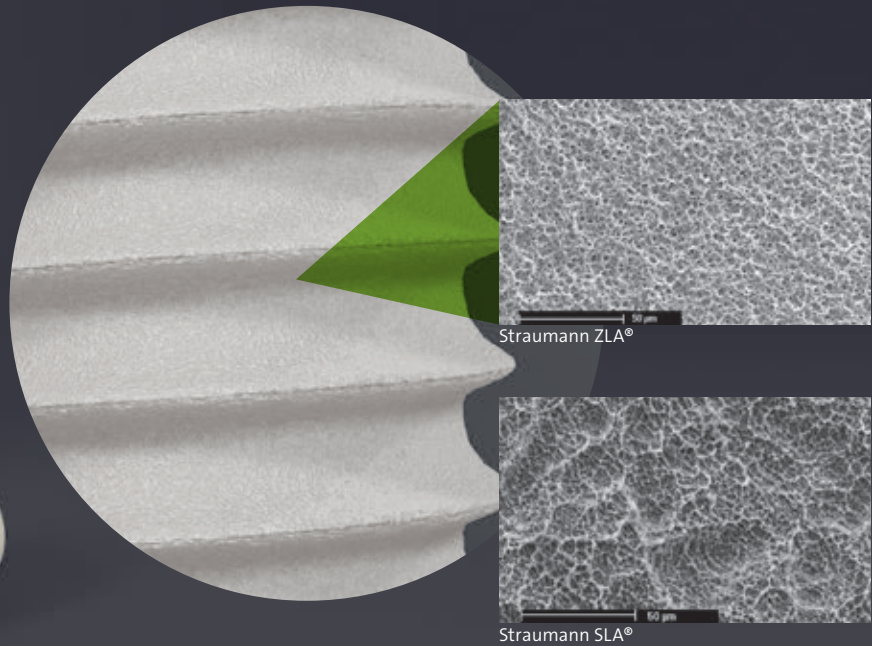
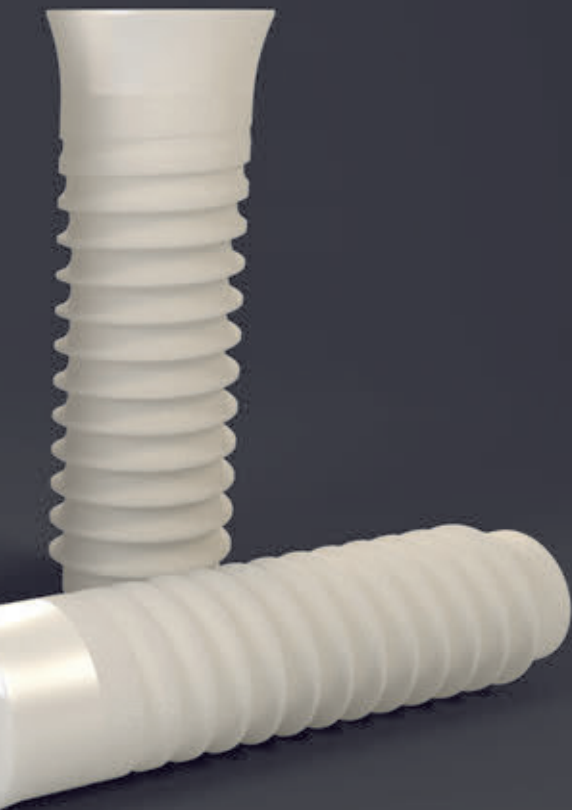
Proven quality

- High-performance zirconia ceramic (Y-TZP) with higher fatigue strength than grade-4 titanium implants^{4,5}
- 100 % proof test in which every single Straumann® PURE Ceramic Implant is tested mechanically before leaving the production site⁵
- Excellent clinical performance with 97.5% survival and success rate after three years^{**6}



| Flexibility

- Choose your preferred implant shape (monotype or two-piece) and workflow (conventional or fully digital)
- Various prosthetic options available*
- 100% metal-free restoration possible
- Follows well proven Straumann surgical protocol, no additional surgical instruments needed
- Suitable for guided surgery**/** and guided implant placement*



| ZLA® surface

- ZLA®, similar in macro and micro roughness to the original Straumann® SLA® surface
- Revolutionary osseointegration properties: Healing time comparable to well established SLA® 7-9
- Less plaque attachment – an important factor for long-term implant success¹⁰

* PURE Ceramic Implant (two-piece)

** PURE Ceramic Implant Monotype

Outstanding esthetic results with a surface that works

NATURAL CERAMIC

The PURE Ceramic Implants have a natural ivory color which most closely resembles the color of natural tooth roots. This gives the most natural look even in thin gingiva biotypes.

FAVORABLE SOFT-TISSUE ATTACHMENT

Clinical settings where the Straumann® PURE Ceramic Implant Monotype was placed in the esthetic zone, demonstrated excellent esthetic outcomes with favorable soft tissue attachment and papilla formation around the implant after three year follow-up⁶ and even after five year follow-up (Case courtesy of Dr. Gahlert)

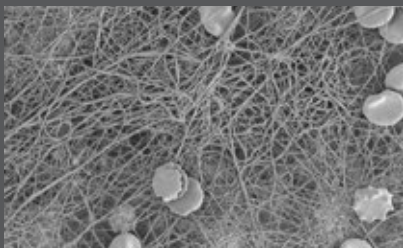


Demonstration: soft tissue reaction to the Straumann® PURE Ceramic Implant Monotype

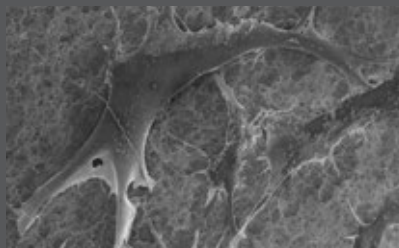


Clinical case with five year follow-up

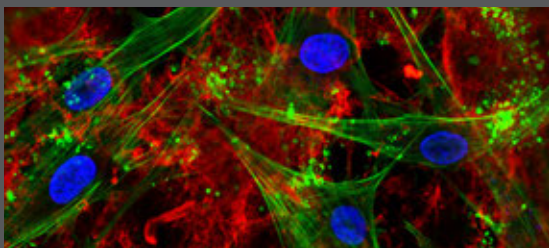
REVOLUTIONARY OSSEOINTEGRATION FEATURES



Pronounced Fibrin network builds up on the ZLA® surface. Fibrin positively influences wound healing (M. Rottmar et al., manuscript in preparation)



Bone cells growing on ZLA® surface (M. Rottmar et al., manuscript in preparation.)

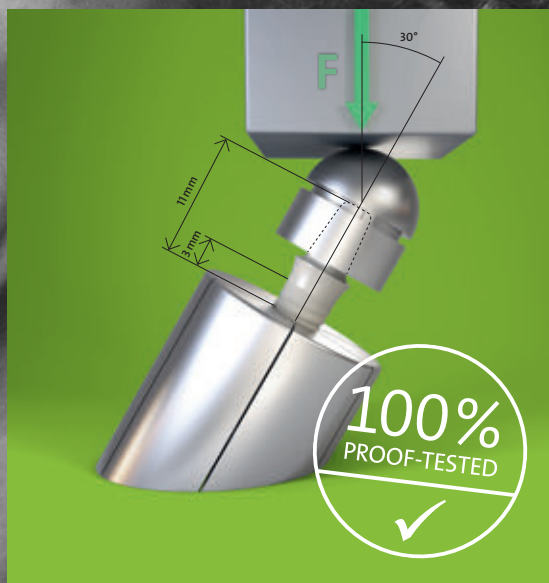


Confocal laser scanning microscopy visualizing seeded bone cells and pronounced fibrin network on the ZLA® surface after incubation in human whole blood. Fibrin network (red), actin cytoskeleton (green), nuclei (blue). (M. Rottmar et al., manuscript in preparation.)



Histology of newly formed bone in intimate contact to PURE Ceramic Implant. (Pre-clinical study: S. Roehling, S. Milz, AO Research Institute, Davos, CH)





OUTPERFORMING QUALITY

Ceramic implants from Straumann® are designed to support greater loads than expected in actual use, demonstrating safety and exceptional design integrity. Still every single PURE Ceramic Implant has to undergo a proof test before it leaves the Straumann production facility. The Straumann® PURE Ceramic Implant 100% proof test is a unique process in the history of dental implant production and ensures an unprecedented level of quality assurance and ultimate safety.



Contact your local Straumann representative now or visit www.straumann.com.

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