More than pure esthetics.
The natural and strong solution.
Expand your patient pool with an innovative solution.

With the Straumann® PURE Ceramic Implant, clinicians have an additional option to convince patients to choose an implant treatment over conventional tooth replacement. A patient survey in Europe conducted with more than 250 participants has shown that many patients would prefer a ceramic implant over a titanium implant.

![Patient survey showing implant material preference of patients](chart.png)
For clinicians the ceramic implant solution is a valuable opportunity to expand their patient base. Consequently, offering treatment with the Straumann® PURE Ceramic Implant will enable you to further differentiate your practice while meeting your patients’ expectations:

Esthetic cases can be challenging. **What options do you have if patients with a thin gingiva type request an esthetic treatment?**

Patients’ requests for metal-free implant treatments are increasing constantly. **How well equipped are you for treating patients who ask for this kind of treatment?**

High predictability is key for successful treatments and has a significant impact on the clinic’s reputation. Prerequisites for predictability are mechanical stability and osseointegration. **How much emphasis do you grant these factors in your treatment choice?**
The Straumann® PURE Ceramic Implant is based on decades of experience.

The Straumann® PURE Ceramic Implant offers you a unique esthetic solution to treat patients with specific needs. While some patients have a thin gingiva biotype, which requires a specific treatment approach, other patients express their explicit wish for a metal-free alternative.

HIGH PREDICTABILITY WITH REVOLUTIONARY OSSEOINTEGRATION PROPERTIES EQUIVALENT TO ESTABLISHED SLA® SURFACE

For successful treatments with high predictability, surface structure plays an important role in achieving osseointegration. The Straumann® PURE Ceramic Implant features the ZLA® surface, which is based on the well-documented SLA® surface. Both surfaces have very similar topographies. Published research data indicates the same healing pattern, healing time and bone maintenance for the ZLA® and the SLA® surface. The short healing time of 6–8 weeks, a revolutionary feature in ceramic implants, helps reduce the early failure risk. The ZLA® surface demonstrates fast and predictable osseointegration which is beneficial in successful implant treatment.

Mean peri-implant bone density values

<table>
<thead>
<tr>
<th></th>
<th>4 wks</th>
<th>8 wks</th>
<th>12 wks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ti SLA®</td>
<td>61.1</td>
<td>63.6</td>
<td>63.2</td>
</tr>
<tr>
<td>Ceramic ZLA®</td>
<td>60.4</td>
<td>65.4</td>
<td>63.3</td>
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![ZLA® surface](image1.png)  
![SLA® surface](image2.png)
100 % PROOF TEST ENSURING RELIABLE IMPLANT STRENGTH

Studies have reported implant fractures of all-ceramic implants of certain manufacturers\(^10\), demonstrating how important mechanical stability is in the long term for a predictable treatment. The Straumann\(^\circledR\) PURE Ceramic Implant is designed and produced to mitigate these risks of fracturing and instability. The implants are manufactured from a high-performance Zirconia (Y-TZP).

In addition to the specific material choice, highly controlled production processes have been set to guarantee exceptional levels of quality. This is why every single implant has to pass a 360° mechanical strength quality check (proof test) before being packaged and delivered to the customer.

The implant’s excellent mechanical strength has been confirmed in a clinical study where zero fractures were reported after the 1-year follow up\(^11\). This high product standard and strong study data allow patients and clinicians to be completely confident about the reliability of the treatment.

![Fig. 1: Test setup according to ISO 14 801](image)
High end esthetic solution thanks to the ivory-colored material

Patient demands most often include an uncompromised esthetic outcome of the treatment. In order to support clinicians to meet this need, the Straumann® PURE Ceramic Implant has a natural like ivory color. This specific feature makes the implant look more like a natural tooth and it supports the clinician in cases of thin gingiva biotype or soft tissue recession.
In addition to the color, the soft tissue also plays an important role in the esthetic outcome. An animal study has shown a reduced pocket depth and higher soft tissue attachment on the Straumann® PURE Ceramic Implant compared with a titanium implant.

Success and survival rates of the Straumann® PURE Ceramic Implant after 1-year follow up within a multicenter study

Before

After

A courtesy of Dr. Jaquier & Dr. Röhling

Pocket depth and biological width measurements of titanium and ceramic implants (mean values)
The implant and its properties

The Straumann® PURE Ceramic Implant has a monotype design based on features of the Straumann® Soft Tissue Level Standard Plus and Straumann® Bone Level Implants.

Abutment design for cementable restorations

Ivory color for natural esthetics

1.8 mm machined neck

Conical thread in coronal region known from Bone Level Implants

ZLA® surface topography comparable to Straumann® SLA®

Thread pitch 0.8 mm from Straumann® Bone Level

Apical tip known from Bone Level/Tapered Effect Implants

The Straumann® PURE Ceramic Implant can be placed with the existing Straumann® Surgical kit while using a very similar surgical procedure as for all other Straumann implants. It is available in two endosteal diameters of 4.1 mm and 3.3 mm, with two abutment heights of 4.0 mm and 5.5 mm. The implant system uses the same unified color code for instruments and implants that is known from working with Straumann® Titanium Implants.
The product portfolio comprises tools to check proper implant placement, to overcome the healing phase and to create the crown. Specific position indicators will allow clinicians to check the future abutment direction and restorability. These indicators can be used after first drilling and after the final drilling. Specific impression caps and implant analogs are available for the abutment heights to transfer information of the in-situ situation to the dental lab.

Choose the Straumann® PURE Ceramic Implant to benefit from a product based on decades of experience. Gain access to a system offering following benefits:

- Expand your patient pool with an innovative solution
- High predictability with revolutionary osseointegration features
equivalent to the established SLA® surface2,3,4
- 100% proof test ensuring reliable implant strength
- High end esthetic solution thanks to ivory-colored material

“Straumann’s new ceramic implant is a very simple and well-designed system. I like that Straumann, as an established manufacturer, now gives me the opportunity to treat patients who explicitly wish to have a ceramic implant restoration.”

Dr. med. Dr. med. dent. Roland Rippel, Praxis am Stadtpark, Nürnberg/Germany
REFERENCES

4. Data on file (Blanco)