Experience business solutions with Straumann CARES customized prosthetics solutions

The market for dental restorations presents a broad variety of prosthetic offerings. Yet customers experience constant challenges to make the right choice when it comes to fulfilling their primary product needs of high efficiency, cost-effectiveness and long-term reliability. Thanks to the trustworthy relationship with dental clinics and laboratories for close to 40 years, Straumann has learned very well what matters to them and their business. Straumann is committed to adapting its service and products to the clinical and professional needs.

Straumann CARES customized solutions deliver dental professionals all they will need in their practice or laboratory (Figs. 1–4). With CARES X-Stream they have a service that provides an implant-based single-tooth prosthetic restoration in only one step: they do 1 scan, 1 design and receive 1 delivery. Invested on their customers’ behalf, Straumann constantly develops and improves its portfolio, namely of zirconium dioxide (zerion) for:

- High precision milling to deliver very detailed and fine morphology and smooth surfaces;

Fig. 1. CARES® customized solutions.
Fig. 2. CARES® Zerion® zirconium dioxide.
Fig. 3. CARES® metal frameworks.
Fig. 4. CARES® crowns and bridges.
Fig. 5. The new CARES® Zerion® LT (Low Translucency) shades for framework constructions.
Fig. 6. CARES® abutment, zirconium dioxide (ZrO₂).
Fig. 7. CARES® abutment, titanium (Ti).
Fig. 8. CARES® Variobase™ Abutment, zirconium®.
Ease of use by simply polishing the delivered restoration to finalize the zerion HT crown or bridge; conquering demanding cases thanks to the shade diversity. Simple characterization can be efficiently applied to create a beautiful and individualized result.

Work with confidence—customized, aesthetic, reliable original Straumann solutions

Ensuring a perfect harmony of design, Straumann abutments are engineered for an original and precisely attuned fit on Straumann implants. The proven clinical long-term success explains why "Once you go Straumann, you never go back"—simply because Straumann’s exceptional quality delivers more!

*Straumann CARES* customized abutments provide the foundation for exceptional restorative results

The high design flexibility combined with the high standards of precision make the CARES customized abutments an outstanding benefit for practitioners and dental technicians alike (Figs. 6–8):

- Customized shape and patient-specific emergence profile;
- Validated long-term performance due to the original Straumann connection;
- Optimized path of insertion thanks to the design flexibility to adjust angulations;
- High convenience in the restoration procedure thanks to an accurate design allowing time saving and cost efficiency;
- Control over the cement gap.

Moreover CARES abutments blank size enlarged more than 20 per cent to increase design options and 9 new zerion LT (Low Translucency) shades available for CARES Variobase abutments.

*Straumann CARES* Screw-retained bridges and bars offer an excellent solution in challenging cases

CARES Screw-retained bars deliver a finished and ready-to-use strong mechanical connection capacity without compromising the biological benefits of the implants:

- Low design complexity: direct placement on implants (no additional abutment needed), allows treating patient-specific emergence profiles with full design control;
- High quality through original Straumann connection;
- Biocompatible and corrosion resistant;
- Each framework is milled completely from one block of material ensuring homogeneous and predictable quality.

Moreover CARES abutments blank size enlarged more than 20 per cent to increase design options and 9 new zerion LT (Low Translucency) shades available for CARES Variobase abutments.

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**Mechanical Aspects**

- Transfer of force load on taper screw and conical connection to implant surface and bone evenly
- Limited force load distribution to connection and limited engagement
- Increased stress to flat top screw
- Reduction of micro movements while controlling the micro gap through a conical, tight sealing connection
- The abutment only sits on the narrow implant shoulder; Limited sealing of the implant-abutment connection
- Increased possibility of soft tissue impingement
- Typical Bone Control Design feature

**Surgical aspect**

- Lateral mastication forces are absorbed by the inner connection, reducing excessive loading of the screw
- Lateral mastication forces are absorbed by the screw thereof resulting in increased danger of screw breakage.

- Consideration of the biological distance with a horizontal offset between micro gap to bone
- The flat implant connection can have an effect by over laying the biological distance of the micro-gap
- Typical Bone Control Design feature of the Straumann Bone Level implant
- The Bone Control Design feature of the Straumann Bone Level implant isn’t respected