More than solid – Roxolid®.
Reducing invasiveness.
More than a less invasive solution.
Increasing patient acceptance.

Dental implants are a well-established and predictable treatment option to replace missing teeth. Nevertheless, many patients are reluctant to accept an implant treatment and are especially apprehensive if they require a bone augmentation procedure. Therefore, clinicians and patients are looking for products that reduce the invasiveness of the procedure or increase the speed of osseointegration.¹

AVOIDING INVASIVE GRAFTING PROCEDURES OFFERS YOU AND YOUR PATIENTS NUMEROUS BENEFITS:

<table>
<thead>
<tr>
<th>YOUR BENEFITS²</th>
<th>YOUR PATIENTS’ BENEFITS²</th>
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<tr>
<td>- Shorter treatment time</td>
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<td>- Less complexity</td>
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<td>- Potential to gain more patients for implant treatment</td>
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<td>- Shorter treatment time</td>
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<tr>
<td>- Faster healing and less pain</td>
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<td>- Less operative trauma and post-operative discomfort</td>
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<td>- Less expensive</td>
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Straumann® Roxolid® is the new standard for less invasive treatment procedures!⁹
More than solid.

Roxolid®

Roxolid® is a groundbreaking material specifically designed for the use in dental implantology. The titanium-zirconium alloy is stronger than pure titanium\textsuperscript{3,4} and has excellent osseo-integration properties\textsuperscript{5,6,7}. This combination of properties is unique in the market – there is no other metallic alloy which unifies high mechanical strength and osteoconductivity.

Mechanical tests have proven the excellent mechanical properties of Roxolid®\textsuperscript{3,4}.
More than smaller implants. More treatment options.

Thanks to their outstanding mechanical and biological properties, Roxolid® Implants offer more treatment options than many other small-diameter implants. In comparison to Straumann® Titanium Ø 3.3 mm Implants, Roxolid® Ø 3.3 mm Implants allow you to cover the following indications:

Single-tooth restorations in the anterior and premolar region
- No limitation to lateral incisors in the maxilla or central and lateral incisors in the mandible

Bridges on two Roxolid® Ø 3.3 mm Implants
- No combination with larger implant needed
- No splinting of suprastructure needed

Full denture on two Roxolid® Ø 3.3 mm Implants
- No need for more than 2 implants in the mandible
More than preserving bone.
Enjoying less invasive procedures.

Thanks to their outstanding mechanical and biological properties, Roxolid® Implants may allow you to use smaller implant diameters with the same clinical performance as shown by titanium regular-diameter implants\(^8\). Smaller-sized implants have the potential to preserve peri-implant structures and avoid invasive bone grafting procedures.

USE OF SMALLER-SIZED IMPLANTS ALLOWS TO KEEP VITAL STRUCTURES AND VASCULARIZATION

A randomized controlled clinical study has demonstrated that Roxolid® \(\varnothing 3.3\) mm Implants do not perform differently from Titanium \(\varnothing 4.1\) mm Implants when used for anterior and premolar single crowns\(^8\).
REDUCED IMPLANT SIZE CAN ELIMINATE THE NEED FOR GBR PROCEDURES

Participants of a clinical non-interventional study stated that for 54% of the implants placed, a bone augmentation procedure could be avoided due to the use of Roxolid® Ø 3.3 mm Implants.

Increase patient acceptance of implant treatment by providing less invasive solutions with Straumann® Roxolid®.
The Roxolid® Implant portfolio comprises all Straumann implant lines, diameters and lengths. Straumann® Roxolid® Implants are available with the well-documented SLA® surface and the highly osteoconductive SLActive® surface. This gives you freedom of choice and allows you to offer your patients a solution that fulfills the specific requirements of each individual situation.

ROXOLID® PORTFOLIO

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<td>Roxolid® SLA®</td>
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<td>Roxolid® SLActive®</td>
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S Straumann® Standard Implant  
SP Straumann® Standard Plus Implant  
NNC Straumann® Standard Plus Narrow Neck CrossFit® Implant  
SPS Straumann® Standard Plus Short Implant  
TE Straumann® Tapered Effect Implant  
BL Straumann® Bone Level Implant
More than security. Peace of mind.

Roxolid® SLActive® Implants combine Straumann’s best material and surface technologies and offer additional benefits to Roxolid® SLA®.

THEY ARE DESIGNED TO DELIVER

- Higher security in all indications \(^{10,11}\)
- Predictable treatment success even in challenging cases \(^{12}\)
- Practice differentiation offering new treatment possibilities

Roxolid® SLActive® Implants are a perfect solution for both standard indications and challenging cases, i.e. limited bone volume, immediate loading, compromised healing, etc.

Preclinical studies in dogs showed that SLActive® Implants promote the production of significantly greater and more mature bone than SLA® Implants.

SLActive® may have a high potential to support osseointegration in dehiscence-type defects \(^{13}\).
More than 4 mm.  
A practice differentiator.

With the Straumann® Standard Plus Short Implant, vertical space is no longer a limitation.

- **Shortest** screw-type implant with internal connection on the market provides you with additional treatment options.
- Perfectly suitable for the treatment of partially and fully edentulous patients with very limited vertical bone availability in the posterior region.
- Possibility to treat patients without complex vertical bone augmentations.
- 5-year clinical data showing a high survival rate of 94% and a mean marginal bone loss of 0.5 mm after 5 years."
More than a less invasive solution.

Setting new standards.

Roxolid® Implants allow you to choose smaller-diameter implants in order to avoid grafting procedures.

Roxolid® SLActive® Short Implants allow you to treat your patients with severely atrophied posterior mandibles without complex vertical bone augmentations.

Roxolid® SLActive® Short Implants may reduce the invasiveness and the complexity of implant cases.
More than just a transfer piece. Easy handling.

All Straumann® Roxolid® Implants are delivered with the new Loxim™ Transfer Piece, which is connected to the implant with a snap-in mounting. Its design offers various new features and benefits.

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<th>FEATURES</th>
<th>BENEFITS</th>
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<tr>
<td>Snap-in mounting ...</td>
<td>... for easy handling without counter-maneuvering</td>
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<tr>
<td>Blue color ...</td>
<td>... for high visibility</td>
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<tr>
<td>Compact dimensions ...</td>
<td>... for easy access</td>
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<tr>
<td>Height markings ...</td>
<td>... for correct implant placement</td>
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<tr>
<td>Pre-determined breaking point ...</td>
<td>... for protecting the inner implant configuration</td>
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COMPARED TO THE SCREW-RETAINED TRANSFER PIECE, THE LOXIM™ OFFERS YOU MANY ADVANTAGES:

- Easier handling with the Loxim™ Transfer Piece

Old
Screw-retained transfer piece

New
Loxim™ Transfer Piece

- No Holding Key
- No counter-manuevering
- Detaches with Adapter
REFERENCES

2. If a GBR procedure can be avoided.
3. Norm ASTM F67 (states min. tensile strength of annealed titanium).
14. Slotte Christer et al, Four-mm implants supporting fixed partial dentures in the posterior mandible. 5-year results from a multicenter study. Presented at the 20th Annual Scientific Meeting of the European Association of Osseointegration, 10–13 October 2012, Copenhagen, Denmark.