

straumann® Pro
Arch



More than a fixed
rehabilitation.
A reason to smile.



In combination with:



 **straumann®**
simply doing moreSM

Patient expectations drive dental treatments for fixed edentulous immediate restorations.

Patients today have increasingly high expectations about dental restorations; they demand natural looking rehabilitations that can be delivered quickly.



INCREASED QUALITY OF LIFE

Patients want to enjoy a high quality of life. Expecting to make no compromises on activities such as eating, talking and laughing, patients look for:

- A fixed prosthesis that's comfortable to wear
- Predictability and reliability



INCREASED ESTHETIC AWARENESS

For 72% of patients¹ it is very or extremely important that their restoration guarantees an esthetic result:

- Attractive appearance with natural looking teeth
- Receive new teeth within a short period of time



TREATMENT OPTION WITH MINIMAL COMPLEXITY

Patients are looking for less demanding procedures:

- Less invasive treatment with minimal discomfort
- Affordable treatment with a high-quality outcome

Now available:

The new option within your edentulous treatment portfolio.

Providing fixed restorations for edentulous patients is a complex procedure that requires the evaluation of many clinical and individual aspects. Within the existing Straumann product portfolio, you can now choose from several prosthetic treatment options to help edentulous patients:

		Straightforward		Advanced		Complex	
		Removable				Fixed	
Maxilla							
			LOCATOR® on 4 implants	Fixed screw-retained restoration on 4 implants, posterior-tilted avoiding sinus	Fixed screw-retained restoration on 4 implants, posterior-tilted avoiding sinus	Fixed screw-retained restoration on 8 implants	
Mandible							
		LOCATOR® on 2 implants	Bar with pre-fabricated / Individualized parts on > 3 implants	Fixed screw-retained restoration on 4 implants, posterior-tilted avoiding mandibular nerve	Fixed screw-retained restoration on 4 implants, posterior-tilted avoiding mandibular nerve	Fixed screw-retained restoration on > 6 implants	



When treating edentulous cases, removable options represent a more straightforward approach, whereas a fixed option with 4 or more implants (straight or tilted) represents a more advanced approach.

Depending on what your patient expects, a straightforward restoration might not be a viable option. Most patients desire functional esthetics with a high level of comfort. As a dental professional you are now challenged to provide an immediate fixed solution that meets their expectations.

To address the requirements and expectations of patients seeking fast, convenient and reliable solutions for full dental replacement, Dr. Paolo Malo from MALO CLINIC® developed a special treatment concept in the early 1990's called the MALO CLINIC® Protocol. The protocol offers immediate temporary restorations for edentulous patients despite limited bone availability. The protocol has become a popular procedure worldwide and has influenced developments in shortening time to teeth. Straumann now offers a new generation of surgical and prosthetic components to provide full-arch fixed restorations on either straight or tilted implants with the additional advantages of its SLActive® surface and Roxolid® material technologies.

More than a fixed rehabilitation.

A smart solution with reduced complexity.

The new Straumann® Pro Arch for fixed edentulous restorations combines several treatment steps which reduce complexity without compromising the outcome. From planning and implant placement to the final restoration, the entire treatment is seamless for the patient.



IMPLANT PLANNING

- 2D conventional implant and prosthetic planning based on (CB) CT scanning or x-rays
- 3D digital implant planning for predictable results and treatment efficiency

SURGICAL PROCEDURE

- Scientifically supported Straumann Bone Level Implants
- Roxolid® material with excellent mechanical properties⁴
- Outstanding SLActive® surface designed to deliver increased predictability in stability critical protocols
- Straumann Planning Guide to support tilted implant placement
- Internal CrossFit® implant-to-abutment connection for long-term stability

PROSTHETIC TREATMENT

- Abutments with a low-profile design, additional abutment angulations and universal abutment connector
- Abutment portfolio allows
 - Immediate temporization to deliver teeth within a short period of time when good primary stability is achieved
 - High-end final restorations with the option for custom-milled hybrid and wrap-around designs

Clinical photo courtesy of Dr. William Runyon and Dr. William Ralstin

Straumann® Pro Arch.

Responding to patient expectations.

Respecting individual patients' needs and expectations, the new Straumann® Pro Arch offers dental professionals all the components needed to provide a seamless edentulous treatment.

Roxolid® – reducing invasiveness with smaller implants⁴

- Roxolid material with excellent mechanical properties²
- Roxolid may allow the use of smaller-diameter implants with the same clinical performance as regular-diameter titanium implants³
- Smaller implants have the potential to preserve peri-implant structures and avoid invasive bone grafting procedures
- Create a full denture on two Roxolid 3.3 implants
- Increase patient acceptance of implant treatment by providing less invasive solutions¹

SLActive® – designed to maximize treatment success and predictability

- Faster osseointegration to enhance confidence in all treatments⁵
- Reduced healing time from 6 to 8 weeks to 3 to 4 weeks⁵
- Increased predictability in stability critical treatment protocols

Increased efficiency with new prosthetic portfolio

- Prosthetic flexibility due to smaller abutment dimensions and different angulations
- Comprehensive portfolio for immediate temporization
- Custom-milled bar designs as a framework for final fixed bridges
- Accessibility for every lab



An excellent combination of scientifically proven implant technology and sleek prosthetic components.

The new Straumann® Bone Level Tapered Implant provides flexibility in challenging clinical and anatomical situations. It represents a combination of the time-tested Straumann Bone Level Roxolid® SLActive® implant with the advantages of a tapered design. The Roxolid material has been specifically designed for dental implantology and delivers outstanding mechanical properties. Combined with the SLActive surface, Straumann delivers an excellent implant system with outstanding osseointegration and healing properties.

The Straumann® Screw-retained Abutment provides a wide range of prosthetic options for screw-retained restorations. A low abutment profile as well as various angulations and gingiva heights offer you flexibility to provide an individual solution for edentulous patients, including restoring posterior-tilted implants.

For final restorations, multiple CARES® Bar designs are available, delivering treatment flexibility.

THE NEW STRAUMANN® BONE LEVEL TAPERED IMPLANT



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Apically tapered – matches the natural shape of a tooth root

- Helps overcome anatomical restrictions
- Full thread at the bottom allows for engagement of threads with the osteotomy
- In combination with the hybrid tapered shape, the cutting notches enable placement in underprepared sites

STRAUMANN® CARES® SCREW-RETAINED BARS AND BRIDGES

- Custom-milled frameworks for final restoration
- Multiple bar and bridge designs
- Bars and bridges for abutment level or implant level, or combination
- Accessibility for every lab

STRAUMANN® SCREW-RETAINED ABUTMENT

- Sleek profile is designed to provide optimal tissue management
- Available for every restorative platform in the Bone Level Implant line
- Angled abutments offer 17° and 30° with 2.5 mm and 4 mm gingival heights
- Straight abutments offer a choice of 1 mm, 2.5 mm and 4 mm gingiva heights
- CrossFit® connection provides guidance at assembly for proper seating of the abutment

Less complex: Fixed edentulous treatment procedures with Straumann components.

IMAGES COURTESY OF DR. WILLIAM RUNYON AND DR. WILLIAM RALSTIN.
LAB WORK BY DARREL CLARK, CDT, FORT WORTH, TEXAS.

Initial situation: A female patient presented at the dental office with a problematic screw-retained bridge restoration in the anterior maxilla. Based on her dental history it was decided to restore utilizing a fixed restoration on 4 implants and an immediate temporary prosthesis.



1 Pre-operative situation



2 Study model, surgical stent and interim fixed bridge prepared by the dental lab



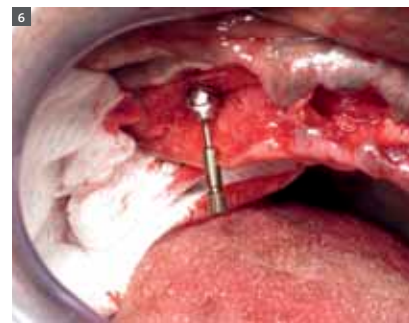
3 Anterior maxilla occlusal view



4 Flap and extraction of maxillary teeth



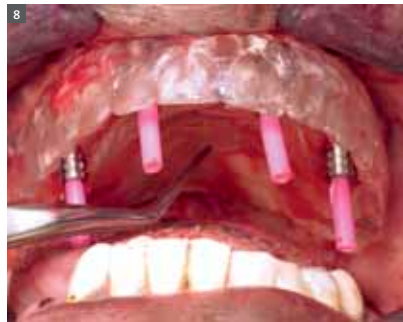
5 Straumann® BL RC Implant with SLActive® surface placed at #4 after bone ridge reduction



6 Screw-retained Abutment, 30° angled, placed onto the implant



7 Titanium Copings, non-engaging, placed intra-orally, facial view



8 Block-out technique to protect screw channels of the Titanium Copings; surgical stent used to verify position of abutments and Occlusal-Screw channel



9 Blu-Mousse® application to identify the emergence of the Titanium Copings as well as preparation for pick up



10 Trimming of impression material in the dental lab, the holes on the study model now represent the implant positions



11 Study model drilling and registration



12 Interim fixed bridge registration with study model



After trimming, fixed bridge prepared for intra-oral pick up as well as check of passivity and fit on study model



Screw channels of Titanium Copings blocked out, access and passivity in the patient's mouth verified



Acrylic-material intra-oral pick up



After trimming of fixed bridge, another fit check of study model



Interim fixed bridge, post-operative, facial view: note buccal flange extension, adaptation to maxillary ridge, and relation to mandibular natural dentition



For the final fixed bridge, Straumann® CARES® Bars are used as a framework



4 months later, the final fixed bridge is delivered to the patient



Pre-operative situation



Post-operative situation



SOURCES

1 Riegl Survey Patient Satisfaction, Europe, September 2011, How important are attractive teeth to patients? 2 Norm ASTM F67 (states min. tensile strength of annealed titanium). Data on file for Straumann cold-worked titanium and Roxolid® Implants 3 Benic GI et al. : Titanium-zirconium narrow-diameter versus titanium regular-diameter implants for anterior and premolar single crowns: 1-year results of a randomized controlled clinical study. *Journal of Clinical Periodontology* 2013; [Epub ahead of print] 4 If a Guided Bone Regeneration (GBR) procedure can be avoided 5 Compared to SLA

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