Straumann® ImmediaXy™
Taking immediacy to the next level.
CONFIDENCE
ImmediaXy™ benefits from Straumann’s scientific approach, proven expertise and evidence-based solutions.¹⁻⁷

EFFICIENCY
Straumann® ImmediaXy™ puts operational simplicity and workflow optimization at the core of its solutions, whether digital, surgical or restorative.

END-TO-END
Straumann® ImmediaXy™ includes and seamlessly connects all stages of the workflow: Data Acquisition, Planning & Design, Surgery and Restoration.
Taking immediacy to the next level.

Patients’ increasing demand for shorter treatment times, the growing evidence for predictable success⁸, and the positive effects on productivity and growth have made immediate treatment protocols a popular choice in implant dentistry.

Backed by its scientific approach and building on its legacy of innovation, Straumann® now takes immediacy to the next level of reliability and efficiency.

With ImmediaXy™, Straumann® offers an ecosystem of solutions that are designed to enable dental professionals to confidently and efficiently provide their patients with immediate temporization – whenever possible and clinically sensible, whether in single tooth, multiple teeth or full-arch cases.³, ⁹–¹³

Discover how ImmediaXy™ can support you, for the benefit of your patients and the success of your business.

“More than just a one-stop supplier, Straumann® is a trusted, long-term partner who provides service, training and marketing support to help you grow your practice.”

COMPREHENSIVE PARTNERSHIP
As a true partner, Straumann® offers service, training and practice growth initiatives in combination with excellent products and solutions.
Straumann® ImmediaXy™ helps you to meet growing patient expectations ...

- **CONVENTIONAL (34W)**
  - 1 Extraction & socket preservation
  - 2 Remove suture
  - 3 Implantation
  - 4 Remove suture

- **IMMEDIATE (8W)**
  - 1 Extraction, implantation, socket preservation & provisional
  - 2 Remove suture
  - 3 Impression
  - 4 Final prosthesis

- **TIME SAVING (26W)**
  - 1 Extraction & socket preservation
  - 2 Remove suture
  - 3 Impression
  - 4 Final prosthesis

Illustrative timelines. Durations may vary.
... and supports the growth and productivity of your practice

- **Push boundaries with confidence**: our end-to-end solutions are designed to enable immediate treatments with predictable outcomes
- **Gain time & cost efficiency**: enjoy a frictionless and flexible ecosystem that meets your workflow needs
- **Accelerate revenue generation**: our wide portfolio of solutions for immediate treatments enables you to treat complex indications such as full arch rehabilitations in atrophied jaws
Straumann® ImmediaXy™’s integrated ecosystem covers all stages of an immediate workflow for a frictionless experience: Data Acquisition, Planning & Design, Surgery and Restoration. It provides end-to-end solutions, which are designed to enable immediate treatments with predictable outcomes.¹¹, ¹⁴, ¹⁵

Straumann® ImmediaXy™ makes the benefits of digital dentistry accessible – either in-house or outsourced – and is compatible with third-party solutions. A modular system that can be tailored to support your workflow.
## End-to-end solutions – whatever your workflow.

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**Smile in a Box™**
**Data acquisition made easy.**

**Straumann® Virtuo Vivo™**
Our newest compact and light-weight intraoral scanner
- Scans an entire dentate arch in just two minutes or a quadrant in under 45 seconds
- Compact handpiece: greater convenience and comfort for the patient
- Validates data quality in real time
- Powderless intraoral scanning in real color

**3Shape® TRIOS®**
Rock your practice
- Fast and easy to use to ensure patient comfort
- Includes excitement apps for patient engagement
- Accurate color impressions incl. teeth shade measurements
- Available as a wireless version with long-lasting, rechargeable batteries
- Wide variety of indications, restorative options and materials

**Medit® i500**
Digital dentistry made easy
- Small tip for high mobility and patient comfort
- Single button control: start, stop, proceed with a single button
- High resolution: recognize all details such as margin lines, undercuts, etc.
- Vivid color: 3D full color streaming capture for precise scans and detail-rich images
- Video type: 3D in-motion video technology for rapid scans
Efficient planning and design.

**coDiagnostiX®**
More than implant planning software, coDiagnostiX® is a practice differentiator.
- Enables precise and easy planning for predictable results from simple to advanced cases
- Offers numerous functions, e.g. drill guide design, automatic nerve canal detection and distance monitoring

**CARES® Visual**
Open design software solution
- Compatible with intraoral scanners, impression scanners and milling machines
- Supports a wide range of applications
- Allows for input and output of STL for third-party systems

**Straumann® CARES® P series**
CARES® P series is a new generation of precision 3D printers for fast and professional in-house production of premium-quality dental products on demand. The CARES® P series provides a new experience in professional dental printing in terms of speed, flexibility and open solutions.

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Smile in a Box™
Focus on your passion - we take care of the rest.

Smile in a Box™ is a flexible treatment planning and manufacturing service to gain efficiency and practice growth. You select the workflow steps you want to focus on - we deliver everything you need for your treatment in one box.

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Straumann® ImmediaXy™
The Straumann X-Family
Confidence beyond immediacy at every level

Straumann® BLX and TLX with Dynamic Bone Management have been developed to make immediate protocols achievable, predictable and minimally invasive in all bone types.

• The same endosteal design means the same drill set for both systems.
• Reduced invasiveness: Ø 3.75 mm for all tooth positions¹³, ¹⁶–¹⁸, short implants¹⁹–²²
• One connection for all diameters
• Full digital integration for optimized workflows

Straumann® BLX
The new generation of bone-level implant
• Developed for immediate protocols in all bone types.
• Simple yet versatile portfolio with under-contoured prosthetics for excellent soft-tissue management

Straumann® TLX
The proven benefits of tissue level now available also for immediate workflows
• Peri-implant health: no microgap at bone level, immediate soft-tissue attachment preservation
• Simplicity & efficiency: Built-in emergence profile and simple soft-tissue management, clear view and accessibility of the connection, even in the posterior region
• Two neck shapes (straight and flaring) for more clinical versatility*

*compared to Straumann TL
**Straumann® Zygomatic Implant System**

**Designed by experts with the patient in mind**
- The Straumann® Zygomatic Implant System provides an immediate, graftless, predictable fixed solution for edentulous patients and patients with terminal dentition.
- Two implant designs, ZAGA™ Flat and ZAGA™ Round, to suit the patient’s anatomy and bone availability.
- The Straumann® Zygomatic implants are compatible with our Bone Level prosthetic portfolio for fixed overdentures including coping and impression material.

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**Roxolid®**
- Reducing invasiveness with smaller and narrower implants²¹, ²⁻²²
- High-performance alloy of 85% titanium and 15% zirconium²³
- Higher tensile²⁴ and fatigue strength than comparable titanium implants⁵, ²⁵
- Increases treatment options in challenging anatomical situations and narrow interdental spaces¹⁶, ¹⁷
- Preserves vital structures and vascularization²⁶

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**SLActive®**
- For high predictability and accelerated osseointegration
- Hydrophilic surface technology
- Reduces initial healing time* to 3 – 4 weeks**, ²², ²⁸
- Enhanced bone regeneration even at compromised sites²⁹
- 98.2% implant survival rate in immediate loading after 10 years³
- 100% implant survival rate in irradiated patients with compromised bone after 5 years³⁰, ³¹

* Healing time defined by bone-to-implant contact and stability
** Compared to SLA®

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**Straumann® Biomaterials**

Advanced solutions for immediate treatment protocols:
**Straumann® XenoGraft**: Natural, bovine bone substitute for extended stability
**Jason® membrane**: Thin and tear-resistant membrane with a long barrier function, derived from native collagen from porcine pericardium
**mucoderm®**: Stable, easy-to-handle collagen matrix derived from porcine dermis for soft-tissue augmentation; it reduces morbidity and increases patient comfort compared to autogenous grafts
High restorative versatility.

**Immediate temporary abutments**
For immediate and simple chairside temporization
- Designed for cement-retained crowns on BLT and BLX
- Easy choice of pre-sterilized TAN abutments with varied gingival heights
- The PMMA coping enables extraoral crown finishing

**M series**
Professional milling and grinding for your practice
- Benefit from fast prosthesis turnaround times
- Wet, wet/dry and dry milling in a single appliance
- Create an extensive range of restorations for every indication
- Enjoy a wide variety of materials to work from
**Straumann® CARES® Customized Prosthetics**

Ultimate restorative flexibility
- Performance thanks to best-in-class materials, technologies, services and know-how
- Flexibility with a comprehensive portfolio of restorative options and a choice of in-house or centralized workflows
- Simplicity: the one-stop-shop for all your CAD/CAM restorative needs

**Straumann® Pro Arch**
Tailored to fit. Designed to last.
- **Treatment options:** A variety of options to address specific indications and different patient needs.
- **Immediate loading:** BLT, BLX and TLX implants were designed for reliable primary stability and immediate loading
- **Reduced invasiveness:** Roxolid® enables the use of narrow and short implants designed to preserve bone and avoid severe grafting.
- **Compromised patients:** Peace of mind with SLActive® even when treating compromised patients with diabetes or irradiated patients.
- **Restorative flexibility:** The prosthetic portfolio addresses patients’ esthetic expectations within their financial resources.
- **Practice growth:** Practice development and patient communication tools support your practice growth.
Straumann® ImmediaXy™ in practice.

Replacement of a deciduous canine with immediate, computer-guided implant placement and immediate prosthesis.

- 31 year-old female
- Complex anatomy due to impacted tooth 23
- Deciduous tooth 23 still in place and mobile
- Patient’s wish for short treatment and high esthetics at all times

Acknowledgements: Alessandro Giacometti, dental technician (Genoa, Italy) and Dr Luca Repetto, DDS (Genoa, Italy)

DATA ACQUISITION

Initial situation with deciduous tooth 23
The CBCT exam shows the impacted canine and limited space available
Assessment of bone availability with CBCT
Optical impression with Virtuo Vivo™

PLANNING & DESIGN

Digital wax-up of tooth 23
Superimposition of the files in coDiagnostiX® to plan the implant and temporary abutment
Design of surgical guide based on correct sleeve alignment
The guide is printed and the sleeve is glued into place

SURGERY

Simple extraction due to root resorption
Fully-guided drilling with VeloDrill™ system
Guided placement of a BLX implant (Ø4.5 mm × 8 mm)
Occlusal view after implant placement

RESTORATION

Provisional crown fitted on resin model
The provisional crown is accurately placed on the abutment with a mask
Provisional crown in place, out of occlusion
The post-operative X-ray confirms the precise placement

Design of final crown in DWOS® CADCAM
Final, screw-retained zirconia crown on Variobase®
Esthetic integration of the final crown
The patient’s smile at the end of the treatment
Compromised maxillary dentition treated with Straumann® Pro Arch in a digital workflow

- 51 year-old male
- Smoker (< 10 cigarettes per day)
- Soft bone quality: types 3 and 4
- Limited bone availability in the posterior area

**DATA ACQUISITION**

- DSD file of the initial situation
- Initial situation: gingival inflammation and recession are visible
- The CBCT shows decayed roots and bone resorption
- Digital scan of the initial maxillary situation

**PLANNING & DESIGN**

- Matching of the surgical and prosthetic plans in coDiagnostiX®
- Designs of the guides for pin fixation, bone reduction, drilling and bite registration
- Computer-assisted design of the temporary PMMA prosthesis
- The milled PMMA bridge on a model

**SURGERY**

- The bone reduction guide is placed after the atraumatic tooth extractions
- Fully-guided drilling with VeloDrills™ as per the pre-defined surgical protocol
- Guided placement of the BLX implants (Ø 4.5 mm x 12 mm), torqued at 50 Ncm
- The screw-retained abutments and protective caps. cerabone® 1–2 mm has been added.

**RESTORATION**

- Try-in of the temporary PMMA bridge prior to suturing
- Temporary PMMA bridge in place after suturing
- Computer-assisted design of the final zirconia bridge
- Consideration of the bite registration thanks to a virtual articulator

- Final multilayered full-contour zirconia bridge cemented on Variobase® copings
- Occlusal view of the final prosthesis
- The patient’s smile at the end of the treatment
- Panoramic radiograph after 5 days


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