Straumann® ImmediaXy
Taking immediacy to the next level.
CONFIDENCE
ImmediaXy capitalizes on Straumann’s scientific approach, proven expertise and evidence-based solutions.⁴,⁵

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 covers and seamlessly connects all stages of the workflow: Data Acquisition, Planning & Design, Surgery and Restoration.
Patients’ increasing demand for shorter treatment times, the growing evidence for predictable long-term success, 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.¹⁻³

Discover how ImmediaXy can support you, for the benefit of your patients and the success of your business.
Straumann® ImmediaXy covers all stages of an immediate treatment workflow: Data Acquisition, Planning & Design, Surgery and Restoration. It provides end-to-end solutions, which are designed to enable immediate treatments with predictable outcomes, even in challenging indications.1,3

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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Data acquisition made easy.

**Straumann® Virtuo Vivo™**
Our newest compact and light-weight intraoral scanner
- Scans a dentate full 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® 3**
Rock your practice
- Fast and easy to use to ensure patient comfort
- 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
Efficient planning and design.

cDiagnostiX®
More than an implant planning software, cDiagnostiX® 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

DWOS® Synergy
Efficient treatment outcomes through collaborative planning
- Integrates surgical and prosthetic workflows through real-time case sharing between cDiagnostiX® and CARES® Visual
- This enables prosthetically-driven implant planning and immediate provisional design

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

CARES® P series
For fast and professional in-house production of premium-quality dental products.
- Full control over the production process
- Adaptable to meet your individual needs
- Improves workflow efficiency and reduces turnaround time
- Builds a complete solution from printing to post-processing with P wash and P cure
Advanced surgical solutions.

**Straumann® BLX**
An implant system perfected for immediate treatments
- Dynamic Bone Management: An outstanding design concept developed for immediate protocols in all bone types
- Esthetic Ease Concept: A simple yet versatile portfolio with one connection for all diameters and under-contoured prosthetics for excellent soft-tissue management
- Full digital integration for an optimized workflow

**Roxolid®**
Setting new standards. Reducing invasiveness⁶
- High-performance alloy of 85% titanium and 15% zirconium
- Higher tensile² and fatigue strength⁸ than comparable titanium implants
- Designed to treat challenging anatomical situations in narrow interdental spaces

**SLActive®**
For high predictability and accelerated osseointegration
- Hydrophilic surface treatment
- Reduces healing time from 6–8 weeks to 3–4 weeks¹⁰
- Ultra-fine topography and increased surface area
- Implant survival rate in immediate loading after 10 years: 98.2%¹¹

**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

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8 Straumann® ImmediaXy
High restorative versatility.

CARES® C series
Precision meets power
- Robust and compact, 4-axis, wet milling and grinding equipment for in-house processing
- Wide variety of indications, restorative options and materials
- Highly efficient processing of hybrid materials with maximum precision

CARES® Materials
A leading offering
- A wide range of dental materials and treatment options that covers all indications and workflows
- Guaranteed high quality to ensure a predictable prosthetic outcome

THE BENEFITS OF DIGITAL JUST A FEW CLICKS AWAY

Smile in a Box – Create your own mix
Our digital, modular, integrated treatment planning and manufacturing service to cover your surgical and prosthetic indications. You select the services you require, and we deliver everything you need for your treatment in one box. Your modular alternative to in-house production.
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 (Genova, Italy) and Dr Luca Repetto, DDS (Genova, Italy)

Dr Sergio Piano
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 (4.5 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® CAD/CAM
- Final, screw-retained zirconia crown on Variobase®
- Esthetic integration of the final crown
- The patient’s smile at the end of the treatment
Replacement of two maxillary second premolars with immediate implant placements and immediate prostheses.

- 45 year-old male
- Fractured teeth 15 and 25
- Healthy situation
- Good bone availability
- Thick buccal bone plate

Co-authors: Dr Iria Darriba, DDS, MSc (Santiago de Compostela, Spain) and Javier Pérez, dental technician (Lugo, Spain)

DATA ACQUISITION

Initial situation

X-ray examination

The CBCT analysis shows the favourable bone situation and alignment between roots and alveolar crests

Design of both provisional crowns with 3Shape Dental System®

PLANNING & DESIGN

SURGERY

Attraumatic extractions of both teeth: with a flap for tooth 15 and flapless for tooth 25

Insertion of BLX implants ($3.75 \text{ mm} \times 12 \text{ mm}$) and gap filling with Straumann® XenoGraft

Placement of two 2.5 mm-high, screw-retained abutments, healing caps and provisional crowns.

RESTORATION

Digital impression to prepare the final restorations

Try-in of the final crowns

Emergence profiles prior to crown fitting

Final crowns and good gingival contouring after 6 months

X-ray after 6 months

Straumann® Product Name
REFERENCES


6 When guided bone regeneration can be avoided.

7 Data on file.


9 Norm ASTM F67 (states min. tensile strength of annealed titanium); data on file for Straumann cold-worked titanium and Roxolid® implants.

10 Compared to SLA®.


12 Katharina Maniura. Laboratory for Materials – Biology Interactions Empa, St. Gallen, Switzerland. Protein and blood adsorption on Ti and TiZr implants as a model for osseointegration. EAO 22nd Annual Scientific Meeting, October 17–19, 2019, Dublin.

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