PREVENTIVE DENTISTRY

Straumann® Next Generation Dentistry

What's in it for you?

Caries

Periodontitis

Esthetic treatment options

Peri-implantitis

Summary
At a glance

Next Generation Dentistry (NGD) offers cutting-edge solutions to prevent disease and restore tooth health and enhance esthetics.

• Take a more holistic, patient-centered approach irrespective of a patient’s age, lifestyle, or medical history.
Overview

A comprehensive solution that goes beyond traditional dental technologies
Overview

Product Portfolios

- Caries
- Periodontitis
- Esthetic treatment options
- Peri-implantitis
What’s in it for you?

SET YOUR PRACTICE APART
- Take a holistic approach and offer smart solutions
- Adopt a patient-centered approach to prevent and treat caries, periodontitis and peri-implantitis
- Provide smart esthetic solutions

INCREASE YOUR CHAIR TIME VALUE
- Maximize your chair time value with products that support your treatment workflows
- Increase your treatment options and patient satisfaction

DIVERSIFY YOUR PATIENT BASE
- Offer treatment options for special patient groups (children, anxious patients)
- Cover new patient profiles
## Caries

### Early-Stage Caries Detection and Treatment

<table>
<thead>
<tr>
<th>Stage</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Healthy Tooth</td>
<td>0</td>
<td>Maintain dental hygiene, improve hygiene, fluorides</td>
</tr>
<tr>
<td>Early Caries</td>
<td>1</td>
<td>Professional tooth cleaning, improve hygiene, fluorides, drill and fill if necessary</td>
</tr>
<tr>
<td>Early to Established Caries</td>
<td>2</td>
<td>Professional tooth cleaning, improve hygiene, fluorides, drill and fill if necessary</td>
</tr>
<tr>
<td>Established to Severe Caries</td>
<td>3-4</td>
<td>Drill and fill, prosthetics (tooth-supported)</td>
</tr>
<tr>
<td>Severe Caries</td>
<td>5-6</td>
<td>Endodontic treatment, antibiotics, prosthetics (tooth-supported)</td>
</tr>
<tr>
<td>Tooth Loss</td>
<td></td>
<td>Surgery, implants, prosthetics (implant-supported)</td>
</tr>
</tbody>
</table>

### Staged Workflow

- **SOPROCARE®**
  - Intraoral camera to detect periodontal/inflammatory lesions and caries decay

- **SOPROLIFE®**
  - Intraoral camera to detect caries lesions and decay
  - Can be used to aid in diagnosis, treatment, follow-up and patient education

- **CURODONT™ Repair**
  - Non-invasive early caries treatment
  - Stops incipient caries by initiating formation of new enamel. The enamel structure is re-mineralized to the bottom of the defect, preserving the tooth
  - Easy to use
  - Pain free

- **CARISOLV®**
  - Caries dentin removal without affecting healthy dentin
  - Softens decay so that caries tissue can be removed with a hand scraper or slow ceramic drill, partially replacing the conventional drill step

- **Straumann® Prosthetic Solutions (tooth-supported)**

- **Straumann® Implant Solutions**

- **Straumann® Prosthetic Solutions (implant-supported)**
Caries

Products SOPROPROCARE® and SOPROLIFE® from Acteon®

SOPROPROCARE®
- Intraoral camera to detect periodontal/inflammatory lesions and caries decay

SOPROLIFE®
- Intraoral camera to detect caries lesions and decay

Can be used for diagnosis, treatment, follow-up and patient education
Products SOPROCARE® and SOPROLIFE® from Acteon®

- Differentiates between healthy and infected tissue
- Assists in performing less invasive treatments
- Checks the patient base in an easy and systematic way
- Detecting early caries offers the option of white spot preventive treatment
- Can be performed without any risk and does not require any exogenous fluorophore
- Technology based on the unique autofluorescence principle. Based on the stimulation of endogenous fluorophores present in the tissues of the teeth
Intra-oral camera detects caries lesions and decay by autofluorescence

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perio mode: reveal dental plaque and gingival inflammation</td>
<td>Early detection of periodontal disease</td>
</tr>
<tr>
<td>Cario mode: highlight caries and perform minimally invasive treatment</td>
<td>Preservation of healthy tissue</td>
</tr>
<tr>
<td>Macrovision: magnify the image up to 115 times and reveal what was once invisible</td>
<td>Effective communication with the patient and viewing of details that are not visible with the naked eye</td>
</tr>
</tbody>
</table>
Clinical use of SOPROCare®

Light source of a specific wavelength

400 nm    500 nm    600 nm

Photons emitted by fluorescence

Between 440 and 680 nm: wavelengths of light

Caries

Clinical use of SOPROCare®
## Benefits of SOPROLIFE®

### Intra-oral camera detecting caries decay and inflammatory lesions

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnostic Aid Mode: Identify the development of occlusal and proximal carious lesions</td>
<td>Early detection of caries</td>
</tr>
<tr>
<td>Treatment Aid Mode: Perform minimally invasive treatments by preserving healthy tissue</td>
<td>Preserving healthy tissue</td>
</tr>
<tr>
<td>Macrovision: magnify the image up to 115 times and reveal what was once invisible</td>
<td>Easier detection and easy communication with patient</td>
</tr>
</tbody>
</table>
Clinical use of SOPROLIFE®

Under white light, the central fissure shows a light brown and rather suspicious coloration.

In mode I Diagnostic, an alert appears in redrose but no modification of the fluorescence of the underlying tissues appears. The luminosity of the contours of the fissure is similar to one of the adjacent areas.

Kinetics of demineralization with nitric acid of a sound tooth observed with the Soprolife® camera in treatment mode. a Day 0, b day 3, c day 6, d day 9. Enamel is absent, and dentine is white.

Under white light, the magnification allows to distinguish a lightly clear area (1). Under blue light, if you look at the amalgam located proximally to the next teeth, an area appears (red circle) in a green less luminous than that for the whole tooth. This area marks the beginning of the lack of the dental backing (2). The radiography confirms the presence of a lesion of site 2, class 2 minimum. The dentist decided to perform a classical preparation (3).
Caries

Basic information on SOPROCARE® and SOPROLIFE®

- Technical sheet
- Brochure
- Reference compendium
- Handling video

Clinical booklet
Unique product for non-invasive early caries treatment

• Stops incipient caries by initiating formation of new enamel. The enamel structure is remineralized to the bottom of the defect, preserving the tooth

• Easy to use

• Pain free
CURODONT™ REPAIR from Credentis

- A natural, biomimetic effect, applied in a non–invasive way
- Superior to fluoride varnish
- Contains self assembling peptide
- Uses the CUROLOX® TECHNOLOGY to regenerate lost tooth enamel throughout the carious lesion by enhancing the natural remineralization process
## Benefits of CURODONT™ REPAIR

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revolutionary early caries treatment method</td>
<td>Easy – Safe – Painless</td>
</tr>
<tr>
<td>Regenerates enamel</td>
<td>Stops early caries lesions from accelerating and remineralizes the lesion</td>
</tr>
<tr>
<td></td>
<td>Biomimetic effect means natural remineralization and no need for artificial material</td>
</tr>
<tr>
<td>Affinity to hydroxyapatite</td>
<td>CUROLOX® TECHNOLOGY is specially designed to bind Ca2+ ions. The binding sites are equidistant, as in hydroxyapatite. It can bind both to the enamel (hydroxyapatite) and Ca2+ ions, leading to remineralization of new hydroxyapatite</td>
</tr>
<tr>
<td>Inactivates initial caries</td>
<td>By remineralizing the carious lesion, the incipient caries is brought to a halt</td>
</tr>
<tr>
<td></td>
<td>Avoids invasive caries treatments and pain and prolongs tooth life</td>
</tr>
<tr>
<td>Easy to use applicator</td>
<td>No additional preparation or chair time needed</td>
</tr>
<tr>
<td></td>
<td>Easy to use applicator is activated and applied directly onto lesion (the proximal gap)</td>
</tr>
</tbody>
</table>
Caries

Clinical use of CURODONT™ REPAIR

Degree of Damage

Acid acting on tooth
Colonyization
De- & remineralization
White spot
Enamel lesion
Dentin lesion
Pulp lesion
Not curable

Time

Restoration
Regenerable
Prevention

Clinical use of CURODONT™ REPAIR
Professional tooth cleaning

Enamel etching with phosphoric acid gel. Unwaxed dental floss is suitable for distributing the gel in the interdental spaces.

Cleaning with sodium hypochlorite

Apply CURODONT™ REPAIR.
The solution spreads around the contact points and diffuses deep into the body of the lesions.

Clinical use of CURODONT™ REPAIR
Basic information on CURODONT™ REPAIR

- Technical sheet
- Brochure
- Handling video
Caries

CARISOLV® from RLS

Gentle method to remove dentin caries without affecting the healthy dentin

- Softens decay so that caries tissue can be removed with a hand scraper or slow ceramic drill, partially replacing the conventional drill step
CARISOLV® from RLS

- Minimally invasive treatment in the caries workflow with less drilling
- Preserves more healthy tooth structures than drilling alone
- Reliable caries treatment option for children and anxious patients
- Automix syringe (to mix the two components) for immediate use and fast effect (30 seconds)
- Caries tissue can be removed by hand to reach areas around crowns or fillings, where other solutions might damage restorations
**Caries**

**Benefits of CARISOLV®**

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Debrides/softens only necrotic tissue in affected enamel &amp; dentin (chemical chloramine reaction)</td>
<td>Preserves healthy tissue&lt;br&gt;Less drilling necessary&lt;br&gt;Less need for local anesthesia</td>
</tr>
<tr>
<td>Does not affect healthy tissue</td>
<td>Less removal of healthy dentin &amp; enamel, preserves more healthy structures than drilling alone</td>
</tr>
<tr>
<td>Minimally invasive</td>
<td>Ideal for children and anxious patients&lt;br&gt;Less pain&lt;br&gt;Increases the quality of the caries treatment</td>
</tr>
<tr>
<td>2 multi-use syringes with 1 applicator per patient for 10 treatments</td>
<td>Economic</td>
</tr>
<tr>
<td>Antibacterial effect</td>
<td>Removes caries-causing bacteria and plaque</td>
</tr>
<tr>
<td>Automix applicator (double syringe)</td>
<td>Easy to use&lt;br&gt;Less preparation time&lt;br&gt;Consistent mixing quality</td>
</tr>
<tr>
<td>Cleaning cavities: Smear layer removal</td>
<td>Better bonding</td>
</tr>
</tbody>
</table>
Drilling, when the cavity needs to be opened up and the cavity periphery adjusted. Also, when there are large amounts of caries and the risk to healthy tissue is minimal.

Completely cover the cavity with gel and wait for 30 seconds until the carious tissue has been softened.

The softened caries can then be removed with hand instruments or special non invasive excavation burs.

Repeat, if necessary (without waiting 30 seconds) continue until the cavity is free of caries.
Basic information on CARISOLV®

- Technical sheet
- Brochure
- Handling video
### Non-surgical treatment workflow

<table>
<thead>
<tr>
<th>Stages</th>
<th>Diagnosis</th>
<th>Management of Systemic Conditions</th>
<th>Mechanical Cleaning</th>
<th>Biofilm Removal</th>
<th>Anti-inflammatory Treatment</th>
<th>Regenerative Treatment</th>
<th>Maintenance</th>
</tr>
</thead>
</table>
| Healthy | - Visual inspection  
- X-ray  
- Probing | - Diabetes control  
- Smoking cessation | Supragingival cleaning with or without subgingival cleaning using  
- Scalers and curettes  
- Ultrasonic scalers  
- Lasers  
- Airflow | Cleaning reagents  
- Iodine  
- Sodium hypochlorite  
- Chlorhexidine  
- Polyhexanide | Nowadays, antibacterial treatments are mainly used  
- Antibiotics  
- Chlorhexidine chips  
- Ibuprofen | Non-surgical or surgical | Non-surgical or surgical  
- Repeat workflow  
- Home care  
- Recall |
| Gingivitis | Mild, moderate and severe periodontitis | Tooth loss | Non-surgical | PeriPatch® | PerioPatch® Emdogain® FL  
PerioSafe®/ImplantSafe® | PerioPatch® Emdogain® FL  
PerioSafe®/ImplantSafe® | PerioPatch® Emdogain® FL  
PerioSafe®/ImplantSafe® |
| Periodontitis | Tooth loss | Non-surgical | PeriACTIVE® | PerioPatch® | PerioPatch® Emdogain® FL  
PerioSafe®/ImplantSafe® | PerioPatch® Emdogain® FL  
PerioSafe®/ImplantSafe® | PerioPatch® Emdogain® FL  
PerioSafe®/ImplantSafe® |

### Additional Straumann Solutions

- SOPROCARE®  
- PerioSafe®/ImplantSafe®  
- ORALyzer®  
- Clinplant® Floss  
- AIRFLOW® Prophylaxis Master, AIRFLOW® One, AIRFLOW® Powders  
- PeriACTIVE®  
- PerioPatch®
Periodontitis

Diagnostic test: PerioSafe®

Chairside, in vitro diagnostic test kit for the early detection of periodontitis and peri-implantitis before clinical signs appear

- Screen all healthy patients in a precise, accurate, fast and convenient way
- Establish a unique personalized prevention plan for every patient
- Simplified diagnosis of pre-periodontitis and periimplantitis allowing more patients to be treated
Periodontitis

Diagnostic test: PerioSafe® & ORALyzer®

The chairside, in vitro diagnostic test kit can be used for qualitative or quantitative results

- Qualitative: the test will only show a positive or negative test result (based on a threshold concentration of MMP8 in saliva). Can be used without any digital reading device
- Quantitative: the same test can be used in conjunction with a digital reader (ORALyzer®) giving a precise quantitative result which can be used for therapy follow-up

The test kit is also available for site-specific testing*

- Uses sulcus fluid instead of saliva
- Gives a precise result for every tested tooth or implant

*see chapter Peri-implantitis
## Periodontitis

### Diagnostic test: Benefits of PerioSafe® & ORALyzer®

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>In vitro diagnostic system based on patient’s saliva sample</td>
<td>Convenient and non invasive</td>
</tr>
<tr>
<td>2-minute administration time, chairside printed results within 5 minutes</td>
<td>Quickly identify patients with pre-periodontal disease</td>
</tr>
<tr>
<td>Scientific chairside lab result</td>
<td>Motivates patient to follow recommendations and return for a follow-up visit so their condition can be tracked</td>
</tr>
<tr>
<td>Tests can be administered by GP, dental hygienist, or dental assistant</td>
<td>Efficient practice management</td>
</tr>
</tbody>
</table>
Periodontitis

Diagnostic test: Basic information on PerioSafe® & ORALyzer®

- Technical sheet PerioSafe®
- Brochure PerioSafe®
- Handling video PerioSafe®

- Technical sheet ORALyzer®
- Brochure ORALyzer®
- Handling video ORALyzer®
Periodontitis

Diagnostic test: ImplantSafe®

Chairside, in vitro diagnostic device for precise, site specific (tooth/implant) detection of periodontitis and periimplantitis, before clinical signs appear

• Check every implant or suspicious inflammatory site in a precise accurate, fast and convenient way

• Establish a unique personalized prevention plan for every patient

• Simplified diagnosis of pre-peri-implantitis and periodontitis allowing precise, non-invasive diagnosis and follow-up, allowing more patients to be treated
Periodontitis - ImplantSafe®

- ImplantSafe® measures accurately the levels of aMMP-8 with high sensitivity and specificity\(^1\)
- In sulcus fluid or around implants

ImplantSafe® is the site specific diagnostic test, whereas PerioSafe® is the screening test to identify patients with collagen destruction (based on inflammation)

## Periodontitis

### Diagnostic test: Benefits of ImplantSafe®

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site specific in-vitro diagnostic system, using sulcus fluid or peri-implant fluid</td>
<td>Convenient, and non-invasive</td>
</tr>
<tr>
<td>2-minute administration time, chairside printed results within 5 minutes</td>
<td>Quickly identify patients with pre-peri-implantitis disease</td>
</tr>
<tr>
<td>Scientific chairside lab result</td>
<td>Motivates patient to follow recommendations and return for a follow-up visit so their condition can be tracked</td>
</tr>
<tr>
<td>Tests can be administered by GP, dental hygienist, or dental assistant</td>
<td>Efficient practice management</td>
</tr>
</tbody>
</table>
Periodontitis

Diagnostic test: ImplantSafe® & ORALyzer®

The chairside, in vitro diagnostic test kit can be used for qualitative and quantitative results

• Qualitative: the test will only show a positive or negative test result (based on a threshold concentration of aMMP-8 in the peri-implant sulcus fluid sample)

• Quantitative: the same test can be used in conjunction with a digital reader (ORALyzer®) giving a precise quantitative result which can be used for therapy follow up
Periodontitis - ImplantSafe®

- Technical sheet
- Brochure
- Handling video
Mechanical cleaning: DeVA-1™ from OraVu®

Micro-endoscope used for subgingival visualization during scaling and root planing

• Visual inspection of tissue beneath the gumline without raising a flap and perform flapless periodontal therapy

• Minimally-invasive endoscopic alternative to traditional SRP and invasive, gingival flap surgery
### Mechanical cleaning: Benefits of DeVA-1™

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro-Endoscope</td>
<td>Allows minimally invasive, flapless subgingival visualization for enhanced patients acceptance of treatment</td>
</tr>
<tr>
<td>High definition image with internal illumination fiberscope</td>
<td>Provides exceptional subgingival visualization</td>
</tr>
<tr>
<td>Real time video and image recording</td>
<td>Ability to document patient records</td>
</tr>
<tr>
<td>Ergonomic use, positioning and instrumentation</td>
<td>Sitting upright to view the screen minimizes neck and back strain</td>
</tr>
<tr>
<td>Intuitive operation</td>
<td>Easy to use, short learning curve</td>
</tr>
</tbody>
</table>
Periodontitis

Mechanical cleaning

Clinical use of DeVA-1™
Periodontitis

Mechanical cleaning: Basic information on DeVA-1™

- Technical sheet
- Brochure
- Handling video
Biofilm removal: Clinplant® from NIBEC

Conditioning gel which helps to remove dental plaque/biofilm and prevent gingival inflammation

• Recommended for use in gingivitis, peri-mucositis or minor gingival bleeding

• Unique, chlorhexidine-free and antibiotic-free solution
## Biofilm removal: Benefits of Clinplant®

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gel in a syringe</td>
<td>Easy to apply with tip or microbrushes</td>
</tr>
<tr>
<td>Contains EDTA-based unique solution</td>
<td>Excellent cleaning properties to remove plaque and smear layer</td>
</tr>
<tr>
<td>Uses safe ingredients</td>
<td>No antibiotics</td>
</tr>
</tbody>
</table>
Periodontitis

Biofilm removal:
Clinical use of Clinplant®

Peri-implantitis
Fixture exposure
Clinplant®
Application of Clinplant®

Cleaning of Clinplant® applied
GBR with OCS-B®
Suturing of wound
1 week after surgery

Photo courtesy of Dr. Jung-Hyun Park/Boa Dental Clinic, Korea
Biofilm removal: Basic information on Clinplant®

- Technical sheet
- Brochure
- Handling video
Biofilm removal: Clinplant® Floss from NIBEC

Interdental brush loaded with Clinplant®, a gingival and dental conditioner

- Recommended for use in early phase of gingivitis, peri-mucositis or minor gingival bleeding
- Unique, chlorhexidine-free and antibiotic-free solution
## Biofilm removal: 
**Benefits of Clinplant® Floss**

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditioner loaded interdental brush</td>
<td>Easy to use</td>
</tr>
<tr>
<td>Contains EDTA-based unique solution</td>
<td>Excellent cleaning properties to remove plaque and smear layer</td>
</tr>
</tbody>
</table>
Biofilm removal: Basic information on Clinplant® Floss

- Technical sheet
- Brochure
- Handling video
Anti-inflammatory treatment: PerioPatch® from IZUN

Topical patch containing botanical ingredients for gingival repair

- Promotes natural healing
- Forms a protective seal over inflamed and affected gums or mucosa, reducing pain and inflammation
Periodontitis

Anti-inflammatory treatment: Benefits of PerioPatch®

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra-thin, dry hydrogel patch that adheres to the moist tissue in the oral cavity</td>
<td>Easy to apply by professional and patient, localized effect</td>
</tr>
<tr>
<td>Topical easy to use application &amp; therapy</td>
<td>Protects the gingival tissue and rapidly reduces the signs and symptoms of inflammation</td>
</tr>
<tr>
<td>Contains botanical ingredients*</td>
<td>As close to nature as possible</td>
</tr>
<tr>
<td>Transportable envelope pack</td>
<td>Easy for patient to carry anywhere</td>
</tr>
</tbody>
</table>

*Sambucus nigra, Centella asiatica, Echinacea purpurea*
Anti-inflammatory treatment: Clinical use of PerioPatch®

Before

PerioPatch® applied

After
Periodontitis

Anti-inflammatory treatment: Basic information on PerioPatch®

- Technical sheet
- Brochure
- Handling video
Periodontitis

Anti-inflammatory treatment: PeriACTIVE™ from IZUN

Mouth rinse containing botanical ingredients to promote gingival healing and reduce plaque formation

• Forms a thin film on the gums and teeth to promote healing
• Supports periodontal health
• Also beneficial after periodontal and implant surgery
• Performs as well as chlorhexidine in controlling plaque formation
• Enhances healing without the negative side effects of chlorhexidine
Periodontitis

Anti-inflammatory treatment: Benefits of PeriACTIVE™

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouth rinse</td>
<td>Easy to use</td>
</tr>
<tr>
<td>Contains botanical ingredients</td>
<td>As close to nature as possible</td>
</tr>
<tr>
<td>Fresh mint flavor</td>
<td>Pleasant taste for patient acceptance</td>
</tr>
<tr>
<td>Alcohol free</td>
<td>Suited for all patients</td>
</tr>
<tr>
<td>Chlorhexidine free</td>
<td>Does not stain the teeth</td>
</tr>
</tbody>
</table>
Anti-inflammatory treatment: Clinical use of PeriACTIVE™
Anti-inflammatory treatment: Basic information on PeriACTIVE™

- Product information
- Technical sheet
- Brochure
- Handling video
### Esthetic Treatment Options

<table>
<thead>
<tr>
<th>TOOTH WHITENING</th>
<th>ORTHODONTIC TREATMENT</th>
<th>MAINTENANCE</th>
<th>TOOTH-BORNE PROSTHESES</th>
<th>TOOTH EXTRACTION &amp; IMPLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Y10</strong> Low power radio-frequency tooth whitening. Painless and peroxidase-free.</td>
<td><strong>Clear Aligners</strong> Removable, transparent, synthetic aligners that straighten teeth more comfortably and discreetly than traditional metal braces.</td>
<td><strong>SmileTrack</strong> Transforms your patient’s smartphone into a remote scanning device to track oral health.</td>
<td><strong>Straumann® Prosthetic Solutions and materials</strong></td>
<td><strong>Straumann® Regenomer</strong> Wound dressing and extraction socket filler</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Straumann® Implant Solutions</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Straumann® Prosthetic Solutions and materials (implant borne)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>SmileTrack</strong></td>
</tr>
</tbody>
</table>
Esthetic treatment options

Tooth whitening:
Y10 from BrightTonix

Peroxidase free, innovative tooth whitening system

• New technique employing a low-power radio-frequency (RF) current and a unique toothpaste which (in combination) removes stains from the teeth enamel

• As effective as peroxidase-containing systems but without enamel alteration or hypersensitivity

• Reduce chair time for tooth whitening treatment: Requires no set up time, no need for gum protection, no dental chair needed
## Esthetic treatment options

### Tooth whitening: Benefits of Y10

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novel low-power radio-frequency (RF) tooth whitening system</td>
<td>Clearly differentiates from regular tooth whitening systems based on chemical (peroxidase) reaction</td>
</tr>
<tr>
<td>Peroxidase-free</td>
<td>No damage to enamel surface, no demineralization Pain free – no hypersensitive teeth after treatment</td>
</tr>
<tr>
<td>No bleaching but whitening by removing stains from teeth enamel</td>
<td>Eating and drinking after treatment unproblematic (impossible when using peroxidase)  Longer lasting whitening effect</td>
</tr>
<tr>
<td>Small device activated by low electrical power, no light or heat activation</td>
<td>No dental chair needed. No chair time occupation, no dentist time covered</td>
</tr>
<tr>
<td>30 min/session</td>
<td>Quick and easy treatment, no patient preparation needed (no retractor, no soft tissue protection needed)</td>
</tr>
<tr>
<td>Tooth paste specially designed for Y10 system</td>
<td>Part of the Y10 treatment system, toothpaste has a slight whitening effect for maintenance</td>
</tr>
</tbody>
</table>
Esthetic treatment options

Tooth whitening: System of Y10

Y10 RF System

Toothpaste & Mouthpieces Kit

Patient kit
3 mouthpieces & toothpaste
**Tooth whitening: Clinical use of Y10**

**a**
Y10 toothpaste covers the teeth inside the Y10 mouthpiece.

**b**
Electromagnetic field, generated by the RF current surrounds the tooth inside the Y10 mouthpiece and activates the Y10 toothpaste.

**c**
Y10 toothpaste molecules surround the tooth while interacting with the stains located on the enamel and on the dentin.

**d**
Y10 toothpaste molecules, activated by the RF current, continue their back and forth interaction with the stains.
Esthetic treatment options

Tooth whitening: Basic information on Y10

- Technical sheet
- Brochure
- Handling video
Orthodontic treatment: Clear aligners from ClearCorrect™

Removable transparent synthetic aligners that straighten teeth more comfortably and discreetly than traditional metal braces

- Accessible to more dentists and patients with a variety of training options and an attractive price/performance ratio
- Optimized for stress retention and clarity while resisting stains and cracks
- Tailored treatment plans to meet the individual’s unique dental and treatment goals and needs
### Orthodontic treatment: Benefits of Clear Aligners from ClearCorrect™

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible with most IO scanners</td>
<td>Connectivity and flexibility</td>
</tr>
<tr>
<td>Easy online case management</td>
<td>Patient and case data online centrally stored and available</td>
</tr>
<tr>
<td>Free case submissions</td>
<td>No financial commitments by dentist before start of treatment</td>
</tr>
<tr>
<td></td>
<td>Free case education and learning</td>
</tr>
<tr>
<td>Free 3D-printed model</td>
<td>Accuracy and precision w/o upfront costs</td>
</tr>
<tr>
<td>State of the art production</td>
<td>Reliability and reproducibility</td>
</tr>
<tr>
<td>Laser marking</td>
<td>Quick and easy identification</td>
</tr>
<tr>
<td>Easy workflow</td>
<td>Freedom to use: Impressions or scans, photos, Rx</td>
</tr>
<tr>
<td></td>
<td>Free shipment of impression</td>
</tr>
<tr>
<td></td>
<td>Online treatment proposal and treatment acceptance</td>
</tr>
<tr>
<td>Attractive price</td>
<td>Free shipment of impression, free treatment proposal and</td>
</tr>
<tr>
<td></td>
<td>no cancellation fee Payment only on treatment acceptance</td>
</tr>
<tr>
<td></td>
<td>2 flexible pricing models</td>
</tr>
</tbody>
</table>

**Esthetic treatment options**

Orthodontic treatment: Benefits of Clear Aligners from ClearCorrect™
Esthetic treatment options

Orthodontic treatment: Clear aligners from ClearCorrect™

High Trimline design

• Provides higher retentiveness reducing the need for retention attachments

• Allows placement of attachments higher on the tooth curvature to enhance retention

• Technicians try to minimize attachments overall & avoid them on anterior teeth to improve patient experience

Straight trim 2 mm above gingival zenith
Esthetic treatment options

Orthodontic treatment: Clear aligners from ClearCorrect™

- Impressions or scans, photos, Rx

- Treatment planning and doctor approval

- Manufacturing and shipping

Free shipment of impressions

Free treatment proposal and no cancellation fee. Payment only on treatment acceptance

No cost for shipment
Orthodontic treatment: Basic information on Clear Aligners

- Technical sheet
- Brochure
- Handling video
Maintenance:
SmileTrack from Dental Monitoring

TRANSFORMS YOUR PATIENT’S SMARTPHONE INTO A REMOTE SCANNING DEVICE USING ARTIFICIAL INTELLIGENCE TO TRACK ORAL HEALTH

Mobile patient app to capture intra-oral pictures and communicate with the patient

DM’s Artificial Intelligence screening platform to monitor oral hygiene, caries and teeth color

Dentist’s online dashboard and communication center
**Maintenance: SmileTrack workflow**

Doctors activate their customized SmileTrack protocol, including:
- Oral hygiene evaluation
- Caries detection
- Teeth color change

**VISUAL REPORTS AND INSTRUCTIONS SENT TO THE TEAM**

**CUSTOMIZED MESSAGES TO PATIENTS:**
- Recommendations
- Instructions
- Encouragement

**CLINICAL ANALYSIS**
- Fully automated AI analysis

**Messages or questions**

**Home screening every month**

Esthetic treatment options
Maintenance:
Clinical use of SmileTrack

Decay detection

Detection: Decay on 22

10/07/2017: Initial situation

17/12/2017: 5 months later

Hygiene evaluation

Esthetic treatment options
Maintenance:
SmileTrack patient app

4 steps to patient engagement with the SmileTrack patient app

Capture your smile
Share it with your doctor
Receive feedback
See your progress
Maintenance:
Basic information on SmileTrack

- Technical sheet
- Brochure
- Handling video
The global gold standard in implant and esthetic dentistry

- Broad range of products and solutions for both conventional treatment and digital workflows
- Including guided surgery, intraoral scanning and CADCAM restorations
- Key technologies developed by Straumann® including e.g. Mini Implants, SLActive® surface, Roxolid® material
Esthetic treatment options

Tooth-supported prosthetics, tooth extraction & implants

SMART
Is a holistic solution specifically developed to enable dentists to successfully place and/or restore dental implants in straightforward patient cases.

SMILE IN A BOX
Provides a global, modular, integrated planning and manufacturing service to cover all surgical and prosthetic indications.

MINI IMPLANT SYSTEM
Offer immediate removable fixation of overdenture for edentulous patients presenting reduced horizontal bone availability with a less invasive* treatment plan, faster healing and less post-operative discomfort.

* if GBR can be avoided

Brochure  Brochure  Brochure
Esthetic treatment options

Tooth extraction: Straumann® Regenomer®

Collagen sponge for use as oral wound dressing and extraction socket filler

• Resorbable and porous collagen matrix designed to be used as dental wound dressing
• Effectively stabilizes bleeding while reducing pain and swelling on dental wounds
• Filling of extraction sockets prevents gingival retraction and resorption of alveolar bone
### Esthetic treatment options

**Tooth extraction:**

**Benefits of Straumann® Regenomer®**

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collagen matrix manufactured from purified type I collagen derived from porcine dermis</td>
<td>Supports the formation of the blood coagulum and helps stabilize smaller oral wounds or biopsy harvesting sites. Minimizes the risk of secondary bleeding</td>
</tr>
<tr>
<td>Non chemically cross-linked and porous structure</td>
<td>Excellent tissue tolerance</td>
</tr>
<tr>
<td>Biodegradable with resorption within approx. 2-4 weeks</td>
<td>Optimal for wound protection and prevention of contamination and infection of wound</td>
</tr>
<tr>
<td>Available in different shapes for use in various clinical situations</td>
<td>For instance, the cone is the shape of choice for extraction sockets</td>
</tr>
</tbody>
</table>
Esthetic treatment options

Tooth extraction: Clinical use of Straumann® Regenomer®

Before extraction (radiograph)

Extraction socket appearance

Application of Straumann® Regenomer®

Sutured for prevention of exfoliation

Straumann® Regenomer® plug

1 week after Straumann® Regenomer® grafting

2 weeks after Straumann® Regenomer® grafting (radiograph)
Tooth extraction:
Basic information on Straumann® Regenomer®
## Diagnosis Management of Systemic Conditions

**Mechanical Cleaning**
- Supragingival cleaning with or without subgingival cleaning using:
  - Scalers and curettes
  - Ultrasonic scalers
  - Lasers
  - Airflow

**Biofilm Removal**
- Cleaning reagents:
  - Iodine
  - NaHypochlorite
  - CHX
  - Polyhexanide

**Anti-Inflammatory Treatment**
- Nowadays, antibacterial treatments are mainly used:
  - Antibiotics
  - Chlorhexidine chips
  - Ibuprofen

**Regenerative Treatment**
- Non-surgical or surgical

**Maintenance**
- Repeat workflow
- Home care
- Recall

### Staged Workflow

#### Visual Inspection
- Diabetes control
- Smoking cessation

#### X-Ray

#### Probing

#### Supragingival Cleaning
- Scalers and curettes
- Ultrasonic scalers
- Lasers
- Airflow

#### Cleaning Reagents
- Iodine
- NaHypochlorite
- CHX
- Polyhexanide

#### Antibacterial Treatments
- Antibiotics
- Chlorhexidine chips
- Ibuprofen

#### Home Care

#### Recall

---

### Additional Straumann Solutions

**SOPROCare®**
- Periodontitis/inflammation detection

**DeVA-1™**
- Micro-endoscope for subgingival visualization during scaling and root planing

**Clinplant® Gel**
- Conditioning gel which helps to remove dental plaque/biofilm and prevent gingival inflammation

**PerioPatch®**
- Topical patch containing botanical ingredients for gingival repair

**Emdogain® FL**
- Gel applied subgingivally for regeneration of tooth support

**PeriSafe®/ImplantSafe®**
- In vitro test kit for treatment follow-up and maintenance

**AIRFLOW® Prophylaxis Master, AIRFLOW® One, AIRFLOW® Powders**
- Effective removal of plaque and biofilm

**PeriACTIVE®**
- Mouth rinse containing botanical ingredients to promote gingival healing and reduce plaque formation

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**ORALyzer®**
- Easy-to-use digital reader for more precise quantitative results

---

### Non-surgical Treatment Workflow for Early Stages of Peri-Implantitis

**Peri-implantitis**

---
Benefits of SOPROCARE®

Intra-oral camera detects caries lesions and decay by autofluorescence

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perio mode: reveal dental plaque and gingival inflammation</td>
<td>Early detection of periodontal disease</td>
</tr>
<tr>
<td>Cario mode: highlight caries and perform minimally invasive treatment</td>
<td>Preservation of healthy tissue</td>
</tr>
<tr>
<td>Macrovision: magnify the image up to 115 times and reveal what was once invisible</td>
<td>Effective communication with the patient and viewing of details that are not visible with the naked eye</td>
</tr>
</tbody>
</table>
**Clinical use of SOPROCARE®**

Light source of a specific wavelength

- Photons emitted by fluorescence
- 400 nm
- 500 nm
- 600 nm

Between 440 and 680 nm: wavelengths of light

PERIO mode

**DAYLIGHT mode**

**PERIO mode**
Diagnostic test: PerioSafe®

Chairside, in vitro diagnostic test kit for the early detection of periodontitis and peri-implantitis before clinical signs appear

• Screen all healthy patients in a precise, accurate, fast and convenient way

• Establish a unique personalized prevention plan for every patient

• Simplified diagnosis of pre-periodontitis and peri-implantitis allowing more patients to be treated
The chairside, in vitro diagnostic test kit can be used for qualitative or quantitative results

- Qualitative: the test will only show a positive or negative test result (based on a threshold concentration of MMP8 in saliva). Can be used without any digital reading device
- Quantitative: the same test can be used in conjunction with a digital reader (ORALyzer®) giving a precise quantitative result which can be used for therapy follow-up

The test kit is also available for site-specific testing*

- Uses sulcus fluid instead of saliva
- Gives a precise result for every tested tooth or implant

*see chapter Peri-implantitis
### Diagnostic test: Benefits of PerioSafe® & ORALyzer®

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>In vitro diagnostic system based on patient’s saliva sample</td>
<td>Convenient and non invasive</td>
</tr>
<tr>
<td>2-minute administration time, chairside printed results within 5 minutes</td>
<td>Quickly identify patients with pre-periodontal disease</td>
</tr>
<tr>
<td>Scientific chairside lab result</td>
<td>Motivates patient to follow recommendations and return for a follow-up visit so their condition can be tracked</td>
</tr>
<tr>
<td>Tests can be administered by GP, dental hygienist, or dental assistant</td>
<td>Efficient practice management</td>
</tr>
</tbody>
</table>
Diagnostic test:
Basic information on PerioSafe® & ORALyzer®
Peri-implantitis

Diagnostic test: ImplantSafe®

Chairside, in vitro diagnostic device for precise, site specific (tooth/implant) detection of periodontitis and periimplantitis, before clinical signs appear

• Check every implant or suspicious inflammatory site in a precise accurate, fast and convenient way

• Establish a unique personalized prevention plan for every patient

• Simplified diagnosis of pre-peri-implantitis and periodontitis allowing precise, non-invasive diagnosis and follow-up, allowing more patients to be treated
Peri-implantitis - ImplantSafe®

- ImplantSafe® measures accurately the levels of aMMP-8 with high sensitivity and specificity\(^1\)
- In sulcus fluid or around implants

ImplantSafe® is the site specific diagnostic test, whereas PerioSafe® is the screening test to identify patients with collagen destruction (based on inflammation)

### Peri-implantitis

#### Diagnostic test:

**Benefits of ImplantSafe®**

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site specific in-vitro diagnostic system, using sulcus fluid or peri-implant fluid</td>
<td>Convenient, and non-invasive</td>
</tr>
<tr>
<td>2-minute administration time, chairside printed results within 5 minutes</td>
<td>Quickly identify patients with pre-peri-implantitis disease</td>
</tr>
<tr>
<td>Scientific chairside lab result</td>
<td>Motivates patient to follow recommendations and return for a follow-up visit so their condition can be tracked</td>
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<tr>
<td>Tests can be administered by GP, dental hygienist, or dental assistant</td>
<td>Efficient practice management</td>
</tr>
</tbody>
</table>

Efficient practice management
Peri-implantitis

Diagnostic test: ImplantSafe® & ORALyzer®

The chairside, in vitro diagnostic test kit can be used for qualitative and quantitative results

• Qualitative: the test will only show a positive or negative test result (based on a threshold concentration of aMMP-8 in the peri-implant sulcus fluid sample)

• Quantitative: the same test can be used in conjunction with a digital reader (ORALyzer®) giving a precise quantitative result which can be used for therapy follow up
Peri-implantitis - ImplantSafe®

- Technical sheet
- Brochure
- Handling video
Peri-implantitis

Mechanical cleaning: DeVA-1™ from OraVu®

Micro-endoscope used for subgingival visualization during scaling and root planing

- Visual inspection of tissue beneath the gumline without raising a flap and perform flapless periodontal therapy
- Minimally-invasive endoscopic alternative to traditional SRP and invasive, gingival flap surgery
# Mechanical cleaning: Benefits of DeVA-1™

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro-Endoscope</td>
<td>Allows minimally invasive, flapless subgingival visualization for enhanced patients acceptance of treatment</td>
</tr>
<tr>
<td>High definition image with internal illumination fiberscope</td>
<td>Provides exceptional subgingival visualization</td>
</tr>
<tr>
<td>Real time video and image recording</td>
<td>Ability to document patient records</td>
</tr>
<tr>
<td>Ergonomic use, positioning and instrumentation</td>
<td>Sitting upright to view the screen minimizes neck and back strain</td>
</tr>
<tr>
<td>Intuitive operation</td>
<td>Easy to use, short learning curve</td>
</tr>
</tbody>
</table>
Peri-implantitis

Mechanical cleaning

Clinical use of DeVA-1™
Mechanical cleaning: Basic information on DeVA-1™

- Technical sheet
- Brochure
- Handling video
Biofilm removal: Clinplant® from NIBEC

Conditioning gel which helps to remove dental plaque/biofilm and prevent gingival inflammation

- Recommended for use in gingivitis, peri-mucositis or minor gingival bleeding
- Unique, chlorhexidine-free and antibiotic-free solution
## Biofilm removal: Benefits of Clinplant®

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gel in a syringe</td>
<td>Easy to apply with tip or microbrushes</td>
</tr>
<tr>
<td>Contains EDTA-based unique solution</td>
<td>Excellent cleaning properties to remove plaque and smear layer</td>
</tr>
<tr>
<td>Uses safe ingredients</td>
<td>No antibiotics</td>
</tr>
</tbody>
</table>
Biofilm removal: Clinical use of Clinplant®

Peri-implantitis
Fixture exposure
Clinplant®
Application of Clinplant®

Cleaning of Clinplant® applied
GBR with OCS-B®
Suturing of wound
1 week after surgery

Photo courtesy of Dr. Jung-Hyun Park/Boa Dental Clinic, Korea
Biofilm removal: Basic information on Clinplant®

- Technical sheet
- Brochure
- Handling video
**Peri-implantitis**

**Biofilm removal:**

**Clinplant® Floss from NIBEC**

Interdental brush loaded with Clinplant®, a gingival and dental conditioner

- Recommended for use in early phase of gingivitis, peri-mucositis or minor gingival bleeding
- Unique, chlorhexidine-free and antibiotic-free solution
Biofilm removal: Benefits of Clinplant® Floss

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditioner loaded interdental brush</td>
<td>Easy to use</td>
</tr>
<tr>
<td>Contains EDTA-based unique solution</td>
<td>Excellent cleaning properties to remove plaque and smear layer</td>
</tr>
</tbody>
</table>
Biofilm removal: Basic information on Clinplant® Floss

- Technical sheet
- Brochure
- Handling video
Peri-implantitis

Anti-inflammatory treatment: PerioPatch® from IZUN

Topical patch containing botanical ingredients for gingival repair

• Promotes natural healing

• Forms a protective seal over inflamed and affected gums or mucosa, reducing pain and inflammation
Anti-inflammatory treatment: Benefits of PerioPatch®

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra-thin, dry hydrogel patch that adheres to the moist tissue in the oral cavity</td>
<td>Easy to apply by professional and patient, localized effect</td>
</tr>
<tr>
<td>Topical easy to use application &amp; therapy</td>
<td>Protects the gingival tissue and rapidly reduces the signs and symptoms of inflammation</td>
</tr>
<tr>
<td>Contains botanical ingredients*</td>
<td>As close to nature as possible</td>
</tr>
<tr>
<td>Transportable envelope pack</td>
<td>Easy for patient to carry anywhere</td>
</tr>
</tbody>
</table>

*Sambucus nigra, Centella asiatica, Echinacea purpurea*
Peri-implantitis

Anti-inflammatory treatment: Clinical use of PerioPatch®

Before  PerioPatch® applied  After
Anti-inflammatory treatment: Basic information on PerioPatch®

- Technical sheet
- Brochure
- Handling video
Anti-inflammatory treatment: PeriACTIVE™ from IZUN

Mouth rinse containing botanical ingredients to promote gingival healing and reduce plaque formation

- Forms a thin film on the gums and teeth to promote healing
- Supports periodontal health
- Also beneficial after periodontal and implant surgery
- Performs as well as chlorhexidine in controlling plaque formation
- Enhances healing without the negative side effects of chlorhexidine
## Anti-inflammatory treatment: Benefits of PeriACTIVE™

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouth rinse</td>
<td>Easy to use</td>
</tr>
<tr>
<td>Contains botanical ingredients</td>
<td>As close to nature as possible</td>
</tr>
<tr>
<td>Fresh mint flavor</td>
<td>Pleasant taste for patient acceptance</td>
</tr>
<tr>
<td>Alcohol free</td>
<td>Suited for all patients</td>
</tr>
<tr>
<td>Chlorhexidine free</td>
<td>Does not stain the teeth</td>
</tr>
</tbody>
</table>
Anti-inflammatory treatment: Clinical use of PeriACTIVE™

Before

After
Anti-inflammatory treatment: Basic information on PeriACTIVE™

- Product information
- Technical sheet
- Brochure
- Handling video
Summary

Set your practice apart
Take a holistic approach and provide smart esthetic solutions

Increase your chair time value
NEW: More treatments in less time with products that support your workflows

Diversify your patient base
Offer treatment options for special patient groups and cover new patient profiles