platform shifting

Nobel Biocare is shifting gingival beauty to the next level
Platform Shifting is the latest in Nobel Biocare’s offering of individualized patient solutions, focused on emphasizing and promoting gingival health and beauty.

**Increases the volume of soft tissue**

Platform Shifting is the concept of “stepping down” the size of an implant platform to increase the volume of soft tissue around the implant platform during implant treatment.

In practice, Platform Shifting adapters convert regular (RP) and wide (WP) platform implants to narrow (NP) and regular (RP) platforms implants, respectively.

You can easily realize the benefits of Platform Shifting due to the fact that the basic product assortment is comprised of only two, premanufactured adapters. To these adapters, you will employ the best abutments on the market – Procera® Abutment and Procera® Esthetic Abutments Zirconia.

If you want to round out your offering of individualized patient solutions, Platform Shifting is a must-have technique.

*Platform Shifting Adapter is currently not available in the USA.*
People once had to accept the appearance and functionality of their teeth.

Now Nobel Biocare ensures that everyone can have beautiful, fully functioning teeth. In fact, we provide the innovations in crowns, bridges, laminates and implants that enable you to make that a reality.

Nobel Biocare is the only company that offers you a total solution so you can do everything from start to finish. As the world leader in esthetic dentistry, we provide three core concepts:

• Easy Esthetics™
• Soft Tissue Integration™
• Immediate Function™

The three concepts, when used together, allow you to create Beautiful Teeth Now™.

“Now you have the opportunity to restore teeth with the Platform Shifting concept. It’s the way of restoring teeth with a more predictable result than before, especially on immediate implant treatments. When shifting to a narrower interface the space increases and the soft tissue gets more stable with higher esthetic results.”

Dr Iñaki Gamborena

Courtesy of Dr. Iñaki Gamborena & Mr. Iñigo Casares, Spain
Case from Dr. Iñaki Gamborena

Our patient, a 42-year-old woman, came to us with a failing crown. Following bone and soft tissue evaluation, we decided the appropriate treatment solution would be to place a dental implant under the Immediate Function™ protocol and use the Platform Shifting concept to preserve the maximal amount of soft tissue and bone.
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Platform Shifting products are currently not available in the USA.
**Procera® Abutment Zirconia**

**Indications**
- Single- or multiple-tooth implant restorations
- Cement-retained

1. If applicable, remove healing abutment or temporization.

2. Ensure that the implant interface is free from any soft-tissue or bone remnants. Place *Adapter PS RP-NP* into RP implant or *Adapter PS WP-RP* into WP implant. Check that the lobes on the adapter are fully engaged in the grooves of the implant.

*Note: Ideally the Adapter PS should be placed the same day as the implant placement, in order not to disturb the Soft Tissue Integration™ and minimize the bone resorption.*

**Impression**

3. Place the *Impression Coping PS RP-NP* or *Impression Coping PS WP-RP* onto the implant. Use the Screwdriver Unigrip™ and tighten the screw.

4. Take an implant level impression using the closed tray technique as described in manual the NobelEsthetics™ Procedure & Products manual.

Abutment connection

6. Healing Abutment PS.

7. Dispose of the abutment screw delivered together with the Procera® Abutment Zirconia Bmk Syst. Use Abutment Screw PS RP-NP (#34553) or Abutment Screw PS WP-RP (#34554) instead.

Note: If preparation is needed, make sure that the thickness of the ceramic material is at least 0.8 mm. This thickness limit is applicable up to a height of 3 mm above implant level. Use the high-speed turbine with diamond drills and copious water irrigation.

8. Place the Procera® Abutment Zirconia onto the implant. Use the Screwdriver Unigrip™ and tighten the abutment screw.

Note: A radiograph can be helpful to confirm accurate seating of the abutment.


Procera® Esthetic Abutment Zirconia PS

Indications
- Single tooth or multiple implant restorations
- Single use only
- Cement-retained

1. If applicable, remove healing abutment or temporization
2. Ensure that the implant interface is free from any soft-tissue or bone remnants. Place Adapter PS RP-NP into RP implant or Adapter PS WP-RP into WP implant. Check that the lobes on the adapter are fully engaged in the grooves of the implant.

Note: Ideally the Adapter PS should be placed the same day as the implant placement, in order not to disturb the Soft Tissue Integration™ and minimize the bone resorption.

Abutment connection
3. Try-in and modify the applicable Procera® Esthetic Abutment Zirconia PS as described in the NobelEsthetics™ Procedure & Products manual.

Note: If preparation is needed, make sure that the thickness of the ceramic material is at least 0.8 mm. This thickness limit is applicable up to a height of 3 mm above implant level. Use the high-speed turbine with diamond drills and copious water irrigation.

4. Place the Procera® Esthetic Abutment Zirconia PS onto the implant. Use the Screwdriver Unigrip™ and tighten the abutment screw.

Note: A radiograph can be helpful to confirm accurate seating of the abutment.

5. Tighten the abutment screw to 35 Ncm using the Manual Torque Wrench Prosthetic and Screwdriver Machine Unigrip™.

Procera® Abutment Zirconia

**Indications**
- Single tooth or multiple implant restorations
- Cement-retained

**1. Model**
- An implant level impression is received with an Impression Coping PS.
- Confirm the position of the implant level impression coping and Implant Replica PS assembly in the impression.
- Pour and fabricate a soft tissue master model.

**2a. Regarding Procera® Abutment Wax-up**
- Create the abutment in a pattern resin or a hard wax. Use a temporary component as a foundation for the abutment pattern.
  - For Implant Replica PS WP-RP, use Temporary Abutment Plastic Engaging Bmk RP with Abutment Screw PS WP-RP.
  - For Implant Replica PS RP-NP, use Procera® Wax-up Sleeve PS RP-NP with Abutment Screw PS RP-NP.
- You must respect certain dimensions in the waxed framework depending on which Procera® product you wish to fabricate:
  - For ceramic abutments NP, maximum dimensions are $4 \text{ mm} \times 12 \text{ mm}$ radius $\times$ height $(r \times h)$.
  - For ceramic abutments RP/WP, maximum dimensions are $5 \text{ mm} \times 15 \text{ mm}$ $(r \times h)$.

**2b. Regarding Procera® Abutment CAD**
To facilitate correct abutment angulations and measurements, insert a T-bar into the replica. It is contained in the Procera® Abutment 3D CAD Kit and will help you to feed correct data into the Procera® Software 3D CAD Design application.
3. Scanning
Note that the scanning procedure is only necessary for Procera® Abutment Wax-up.

- Open the Procera® Software and follow the instructions in the tutorial for:
  - Creating an open order.
- Scan the die using the Procera® Scanner according to the tutorial found within the software.

**Note:** Use the ordinary BmkSyst Lab Screw to attach the wax-up pattern in the implant platform replica

- Follow instructions in the tutorial for:
  - Using the Procera® Software CAD Design Application.
  - Dispatching an order.

4. Concluding Procedure
After delivery of the Procera® Abutment from the Nobel Biocare production facility:

**Ceramic Abutments**

- If necessary, make minor adjustments with diamond bur or flex disc with fine grit size under low pressure and with copious water irrigation.

- When designing/preparing Procera® Abutment Zirconia, make sure that the thickness of the ceramic material is at least 0.8 mm. This thickness limit is applicable up to a height of 3 mm above implant level.

- Sandblast using two to four bars of pressure utilizing 110 µm–250 µm aluminum oxide, at an approximate distance of 10 mm.

- Clean in an ultrasonic unit.
Cleaning & Sterilization

Sterile Components
The devices delivered sterile have a “Sterile” marking on the label. Opened packages of components that have never entered the oral cavity of a patient may be cleaned and steam autoclaved again following the established procedures of your local hospital or clinic for similar products.

Non-Sterile Components
Modified abutments and restorations from a dental laboratory are cleaned and sterilized (if indicated) according to generally accepted procedures for dental laboratory work. **Procera® Esthetic Abutment Selection Kit** and Procera® Esthetic Abutments are delivered non-sterile. The Procera® Esthetic Abutments and the Procera® Esthetic Abutment Selection Kit can be autoclaved according to standard routines either as separate units or when the abutments are mounted in the kit.

Instruments
Instruments are to be cleaned and sterilized before intra-oral use in compliance with established routines at the hospital/clinic.

Manual Torque Wrench Prosthetic
Clean the parts thoroughly. Allow them to dry completely. Sterilize the instrument using a steam autoclave at 135° C for minimum hold time of 5 minutes or according to recommendations from the manufacturer of the autoclave.
Achievements

- Inheritors and developers of the work of Professor Brånemark – founder of modern implantology. World leader in the field
- Providers of the most comprehensive and flexible crown, bridge and implant solutions in the world
- Creators of biocompatible material TiUnite® for optimal osseointegration, Immediate Function™ and Soft Tissue Integration™
- Inventors of unique Procera® System and CAD/CAM dentistry
- FDA cleared for Immediate Function™ (except 3.0 and Zygoma)
- FDA cleared for Teeth-In-An-Hour™ in 2004

Quality and Environment

- Certified according to ISO 13485:2003 and ISO 14001:2004
- Between 2003–2006, passed a total of 86 external assessments “with excellence”. Zero non-conformities in 2004 FDA inspections of Nobel Biocare production units in Göteborg, Karlskoga and Stockholm

Research

- Formal collaboration with over 50 academic institutions and 600 independent scientists around the world
- FDA cleared for Immediate Function™ (except 3.0 and Zygoma)
- More clinical studies on immediate or early loading than all other competitors combined (Medline December 2006)
- More prospective clinical studies with at least 5-year follow-up than all other competitors combined (Berglund et al 2002)

Support

- Over 300,000 dental professionals trained in 40 countries during 2006
- Nobel Biocare sales organizations with local Nobel Biocare staff in more than 34 countries

AUSTRALIA
Nobel Biocare Australia Pty Ltd
Phone: +61 2 9412 11 44

BELGIUM
Nobel Biocare Benelux NV
Phone: +32 2 467 41 70

CANADA
Nobel Biocare Canada Inc
Phone: +1-905-762-3500
Toll free: +1-800-263-4017

DENMARK
Nobel Biocare Danmark A/S
Phone: +45 39 40 48 46

FINLAND
Nobel Biocare Suomi Oy
Phone: +358 9 343 69 70

HONG KONG
Nobel Biocare Asia Ltd
Phone: +(852) 2-845-1266/14 12

INDIA
Nobel Biocare India Pvt Ltd
Phone: +91 22 5551 9999

LITHUANIA
Nobel Biocare UAB
Phone: +370 5 268 3448

NETHERLANDS
Nobel Biocare Benelux BV
Phone: +31 30 635 49 49

NORWAY
Nobel Biocare Norge AS
Phone: + 47 22 24 98 30

POLAND
Nobel Biocare Polska Sp z oo
Phone: +48 22 874 59 44

SOUTH AFRICA
Nobel Biocare South Africa Pty Ltd
Phone: +27 11 802 0112

SWEDEN
Nobel Biocare AB
Phone: +46 31 335 49 00

UNITED KINGDOM
Nobel Biocare UK Ltd
Phone: +44 (0) 1895 430 650

USA
Nobel Biocare USA LLC
Phone: +1-714-282-4800
Toll free: +1-800-993-8100
Cust. support: +1-800-322-5001

for details of our patient program visit www.nobelsmile.com

Nobel Biocare cares about the environment and all production units are certified according to
Environmental Management System ISO 14001

www.nobelbiocare.com