Optimization Is Key To Aesthetics

The BellaTek® Encode® Impression System provides optimized solutions to clinicians by eliminating the need for implant level impressions, which streamlines the treatment process for the surgeon, restorative clinician and laboratory. In addition, patients have a better experience and a beautiful aesthetic outcome.

"An appreciation of the protective effect of the soft tissue barrier is important for providing optimal aesthetic outcomes. Recent studies show that multiple abutment swaps (dis/reconnections) are associated with increased crestal bone loss. These findings suggest using the fewest number of abutment swaps to achieve better aesthetic and functional results. Ultimately, the goal is to use “one abutment, one time” and the BellaTek Encode Impression System provides an important step for achieving this objective."

–Xavier Vela Nebot*, M.D., D.D.S., Spain

Hard- And Soft-Tissue Maintenance

• No need to remove the healing abutment, preserving tissue and resulting in aesthetic outcomes

Customized Treatment Solutions

• Choose a simple impression method above the gingiva to create aesthetic BellaTek Patient Specific Abutments in titanium and gold-colored titanium nitride

Practice Growth Through Better Patient Care

• End-to-end treatment solutions for everyone involved allow for a more efficient workflow, less inventory to stock and provide a vehicle for practice growth
Patient Aesthetics Through Hard- and Soft-Tissue Preservation

How To Maintain Tissue Health

The oral mucosa (soft tissue) is unique anatomical and physiological tissue. A healthy intact mucosa is essential for teeth and oral health. Dental implants require an intact peri-implant mucosa for successful integration and maintenance. Adherent peri-abutment mucosa sulcus is credited with reducing or limiting both microbial and oral cavity content through the sulcus to the implant microgap region.

Clinical Relevance

Studies show that abutment swapping (dis/reconnects) negatively affects peri-abutment mucosal sulcus tissues and contributes to the loss of alveolar crestal bone (hard tissue). Crestal bone regression leads to soft-tissue recession and reduced aesthetics.

Reduced Abutment Swaps

Unique codes on the occlusal surface of the BellaTek® Encode® Healing Abutment relay abutment design and milling information, eliminating the need for an impression coping. This reduces abutment swapping, preserving the peri-abutment mucosal sulcus interface and maintaining the sealing function.

Aesthetic Outcome For The Patient

One supragingival impression of the BellaTek Encode Healing Abutment results in a BellaTek Patient Specific Abutment ready for cementation and delivery of the definitive prosthesis.
The patented BellaTek Encode Impression System is the gateway to creating a customized solution for you and your patients. When you eliminate the need for impression copings and conventional impression materials, the process is streamlined for you and the patient experience is improved by making it easier and more comfortable. This technology is unique to and only available from BIOMET 3i.

Benefits For The Patient

Comfort:

• There is no need to use impression copings, resulting in a less invasive impression procedure for more comfort.

Fewer Visits:

• The intraoral scan can be taken by the specialist at the surgical release visit, eliminating a restorative appointment and resulting in less visits to the dentist’s office.

Aesthetic Outcomes:

• Abutments designed specifically for the patient for better aesthetic outcomes.

The process is simplified with the BellaTek® Encode® Healing Abutment!

1. Take a digital impression of the BellaTek Encode Healing Abutment®

2. Make a traditional impression of the BellaTek Encode Healing Abutment.

The result: a highly aesthetic BellaTek Definitive Abutment

*Compatible with the following systems: 3M™ Lava™ C.O.S., 3M™ True Definition, Align iTero™, Sirona CEREC Bluecam and Sirona CEREC Omnicam.*


6. Hartman G. Initial implant position determines the magnitude of crestal bone remodeling. JOP 2004 Apr; Vol 75, No. 4.


†Dr. Calvo-Guirado, Dr. Nebot, Dr. Rodríguez, Dr. Tarnow and Dr. Vela have financial relationships with BIOMET 3i LLC resulting from speaking engagements, consulting engagements and other retained services.
**Digital Impression**

Fig. 1. BellaTek Encode Healing Abutment placed intraorally for scanning

Fig. 2. iTero digital impression captured

Fig. 3. iTero digital impression STL file imported by the dental laboratory into CAD software

Fig. 4. A BellaTek Custom Abutment is designed and fabricated by BIOMET 3i and is exported to Align Technology for model fabrication

Fig. 5. An iTero model milled with the custom abutment as the removable die and adjacent crown preparation dies

Fig. 6. Restorations created by the dental laboratory with fit verification on the milled die and abutment

Fig. 7. A BellaTek Abutment placed

Fig. 8. Definitive restorations placed immediately following abutment placement

Fig. 9. Digital x-ray verification of restoration marginal integrity

Clinical Treatment by Dr. Deborah Ruddell, Fort Myers, FL, USA.

Laboratory restorations fabricated by Rick Sonntag, 4Points Dental Design Inc., St. Petersburg, FL, USA.
System Case Presentations

**Traditional Impression**

**Fig. 1.** A BellaTek® Encode® Healing Abutment placed intraorally.

**Fig. 2.** The impression of the BellaTek Encode Healing Abutment demonstrating transfer of the codes.

**Fig. 3.** The master cast of the BellaTek Encode Healing Abutment that was sent to the BellaTek Production Center.

**Fig. 4.** The Robocast analog placement.

**Fig. 5.** A BellaTek Custom Abutment designed in CAD software, which accompanied the master cast.

**Fig. 6.** The gold-colored titanium nitride-coated BellaTek Abutment and definitive restoration.

**Fig. 7.** A clinical photograph taken after placement of the definitive restoration.

**Fig. 8.** A post-restorative periapical radiograph at one month post placement.

Clinical Treatment by Dr. George Priest†, Hilton Head Island, SC, USA.

†Dr. George Priest has a financial relationship with BIOMET 3i LLC resulting from speaking engagements, consulting engagements and other retained services.
Looking For Optimized Digital Dentistry Solutions?
Choose The BellaTek® Encode® Impression System Today!

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For More Information, Please Contact Your Local BIOMET 3i Sales Representative