The PREVAIL® Implant System

PRESCRIPTION
BY DESIGN™

ENHANCED OSSEOINTEGRATION 9-14, 16-17

CRESTAL BONE PRESERVATION 9-13

TISSUE PROTECTION 15

BIOMET 3i
PROVIDING SOLUTIONS – ONE PATIENT AT A TIME™
Preservation is key to aesthetics

Challenges to aesthetic outcomes:

Crestal Bone Loss

Average implant crestal bone loss can exceed 1.5mm during the first year of function, leading to compromised aesthetics.¹

Suboptimal Outcomes

Soft-tissue recession impacts patient satisfaction.

Peri-implantitis

The prevalence of implants experiencing peri-implantitis has been reported in excess of 12%.²³

Compromised Osseointegration

Implants lacking a complex surface topography⁴ and primary stability have been found to yield lower rates of osseointegration.⁵


† Dr. Goené, Dr. Lazzara and Dr. Makigusa have financial relationships with BIOMET 3i LLC resulting from speaking engagements, consulting engagements and other retained services.
**PREVAIL® - Preservation By Design**

An implant system with integrated platform switching engineered to deliver aesthetic outcomes through tissue preservation.

**ENHANCED OSSEOINTEGRATION**

OSSEOTITE® and NanoTite™ Implant Surface Options

**CRESTAL BONE PRESERVATION**

Certain® Connection And Integrated Platform Switching

**TISSUE PROTECTION**

Full OSSEOTITE Surface

**PRESERVATION BY DESIGN™**
Higher fatigue strength\textsuperscript{9}

\textbf{as compared to the competitive average}

Unique connection designed to provide strength and durability through deep internal engagement

Higher seal strength\textsuperscript{9,10}

\textbf{as compared to the competitive average}

Designed to reduce microleakage through exacting interface tolerances and maximized clamping forces

Connection strength test was performed by BIOMET 3i on May 2011. Testing was done under testing standard ISO 14801. Seventeen (17) BIOMET 3i PREVAIL Implant Systems were tested. Bench test results are not necessarily indicative of clinical performance.

Seal integrity test was performed by BIOMET 3i on December 2011. Testing was done under testing standard ISO 14801. Five (5) BIOMET 3i PREVAIL Implant Systems and five (5) of three (3) competitors’ implant systems were tested. Bench test results are not necessarily indicative of clinical performance.

113% 

\textbf{Increase in clamping force vs. non-coated screw}\textsuperscript{11}

Patented Gold-Tite\textsuperscript{®} Screw increases clamping force to maximize abutment stability.


\textsuperscript{11}Baumgarten H†, Meltzer A†. Improving outcomes while employing accelerated treatment protocols within the aesthetic zone: From single tooth to full arch restorations. Presented at the Academy of Osseointegration, 27th Annual Meeting; March 2012; Phoenix, AZ.
Preservation

Through Integrated Platform Switching

0.37 mm

Crestal bone loss
Studies have shown that implants with the PREVAIL® integrated platform switching feature demonstrated crestal bone loss as low as 0.37mm.12

50%

Reduction in crestal bone remodeling vs. non-platform-switched implants13
Medialized implant-abutment junction provides support for connective tissue

Definitive restoration at the 24-month follow-up visit

Periapical radiograph taken at the time of implant placement

Clinical case images courtesy of Dr. Pär-Olov Östman, Falun, Sweden.

Periapical radiograph taken at the 24-month follow-up visit

The PREVAIL® Implant System is designed for osseointegration, peri-implantitis risk mitigation and increased primary stability.

**OSSEOTITE® And NanoTite® Surface Topography**

Two well-researched surface options for bone apposition.

**Osseointegration**

Surface topography targets bone apposition and early healing

**NanoTite: Nanoscale Topography**

Discrete Crystalline Deposition (DCD) of nano-scale calcium phosphate renders the NanoTite Implant a Bone Bonding®* Surface

In pre-clinical studies, the NanoTite DCD Surface demonstrated increased integration throughout the early healing process.14

**OSSEOTITE®: Fine-Micron Topography**

Dual Acid Etched 1–3 micron peak-to-peak surface for clot-to-implant attachment


*Bone Bonding is the mechanical interlocking of the cement line matrix of bone with the implant surface.
Enhanced Osseointegration And Tissue Protection

**Peri-implantitis risk mitigation**

Dual acid-etched topography at coronal aspect of the implant.

Five-year study results on the OSSEOTITE® Dual Acid-Etched Surface presented no increased risk of peri-implantitis or soft-tissue complications versus a hybrid surface.¹⁵

**Increased primary stability**

Macrodesign of the implant increases Initial Bone-to-Implant Contact (IBIC).

Studies demonstrate that the macrodesign of the Tapered and Parallel Walled Implant reduces the risk of early micromotion, optimizing primary stability.¹⁶,¹⁷

**Commercially Pure Titanium (CPTi)**

Now available in OSSEOTITE Configurations

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*Dr. Block and Dr. Östman have financial relationships with BIOMET 3i LLC resulting from speaking engagements, consulting engagements and other retained services.*
**Ordering Information**

(D) = Diameter  
(P) = Platform

### NanoTite™ Tapered Certain® PREVAIL® Implants

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* Please consult your BIOMET 3i Sales Representative for non-platform switched implant options.

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**Tissue Preservation Meets Custom Restorative Options**

**NEW**

**Restorative Options For The PREVAIL Implant**

- BellaTek Encode® Healing Abutments
- PreFormance® Posts and Cylinders
- Impression Copings
- GingiHue® Abutments
- BellaTek® Abutments
- Gold-Tite® Retaining Screws

**Including 3.4mm Restorative Options For The Aesthetic Zone**

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