The BioBoost Effect

Scientifically Super...Natural

Discovery of the BioBoost Effect unveils the science behind the seemingly super natural response to the Trabecular Metal Implant. The BioBoost Effect is a multiplication of naturally-occurring growth factors to deliver faster healing and earlier bone formation than traditional implants.\(^1\)\(^-\)\(^8\)

The BioBoost Effect, only available on the Trabecular Metal Implant, is the result of a proprietary combination of cancellous-like porosity and highly-biocompatible tantalum.\(^9\)\(^-\)\(^11\) With mounting evidence of this clinical advantage in Rapid Recovery, Risk Management, and Revision Therapy cases, harness the healing power of the BioBoost Effect and take your practice to the next level.

1. Rapid Recovery
   Accelerate healing with a 2-week final loading protocol.\(^12\)\(^-\)\(^15\)

2. Risk Management
   Expand treatment in poor bone and impaired healing.\(^16\)\(^-\)\(^26\)

3. Revision Therapy
   Leverage the healing advantage in implant replacement.
Rapid Recovery
Accelerate healing with a 2-week final loading protocol.\textsuperscript{12-15}

The BioBoost Effect accelerates healing and bone formation through the multiplication of naturally-occurring growth factors related to bone formation, wound healing, and vascularization.\textsuperscript{3,6-8} Several studies have documented the Trabecular Metal Implant in a 2-week final loading protocol with a 97\% to 100\% survival rate after up to five years follow up.\textsuperscript{12-14}

- Early bone healing and attachment through enhanced gene expression compared to traditional implants\textsuperscript{3,6}
- Significantly higher up regulation of growth factors related to bone healing than traditional implants\textsuperscript{3,6}
- 97.2\% survival after five years, two-week final loading protocol\textsuperscript{12}
- 100\% survival after four years, two-week final loading protocol in extraction sites\textsuperscript{14}

Images courtesy of Dr. Markus Schlee, Forscheim, German

Rapid Recovery Meets Rapid Restoration

Complete the case in weeks, not months, and in as little as three appointments, with the Trabecular Metal Implant and the BellaTek\textsuperscript{®} Encode\textsuperscript{®} Impression System. The BellaTek Encode Healing Abutment functions as a healing abutment impression coping and scan body that can be scanned or impressed and sent to your Encode Empowered Laboratory for fabrication of a titanium or zirconia BellaTek definitive abutment.

**Appointment 1** - Seat an Encode Healing Abutment at the time of Trabecular Metal Implant placement (Figs. 1a and 1b).

**Appointment 2** - Take a digital or traditional PVS impression of the Encode Healing Abutment at the time of suture removal. Send the impression to your Encode Empowered Laboratory for final abutment design and restoration fabrication (Fig. 2).

**Appointment 3** - Seat the final, patient-specific BellaTek Abutment and crown (Fig. 3).

Images courtesy of Dr. Suheil Boutros, Grand Blanc, Michigan
Risk Management
Expand treatment in poor bone and impaired healing.\textsuperscript{16-26}

Several studies have shown that Trabecular Metal Implants perform well in patients with risk factors such as diabetes, rheumatoid arthritis, prior oral infection, the effects of cancer treatment and poor bone quality.\textsuperscript{16-26} The Trabecular Metal Implant may offer beneficial conditions for healthy implant integration in underserved patient populations.

- 100% survival after one year in postablative cancer patients\textsuperscript{21}
- 97.2% survival after three years in patients with systemic disease\textsuperscript{22}
- Faster bone healing around Trabecular Metal Implants than traditional implants in diabetic and osteopenic patients\textsuperscript{7,8}

Revision Therapy
Leverage the healing advantage in implant replacement.

Patients with a previously failed implant are at a higher risk for another failure.\textsuperscript{27} Therefore, it is important to treat the cause of the initial failure and select the replacement implant very carefully. Unlike conventional implants, Trabecular Metal Implants offer BioBoost Technology for the healthy ingrowth of vascularized bone as well as the potential for enhanced bone healing compared to conventional titanium implants,\textsuperscript{1,8} making them an excellent choice in revision therapy.
### Trabecular Metal Dental Implant, MTX® Surface, Fully Textured with Microgrooves
Includes Fixture Mount/Transfer and Cover Screw.

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### Trabecular Metal Dental Implants With 0.5 mm Machined Collar, MTX Surface And Microgrooves
Includes Fixture Mount/Transfer and Cover Screw.

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### TSV® BellaTek® Encode® Healing Abutments
Healing collar and impression coping enabling definitive abutment design by your Encode Empowered Laboratory.

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24. Peron C, Romano G. Immediate Loading of Trabecular Metal-based Implants placed in Infected Sites With Full Ceramic Restorations. 1-year Clinical Evaluation. in AAD. 2016;New Orleans, LA.

