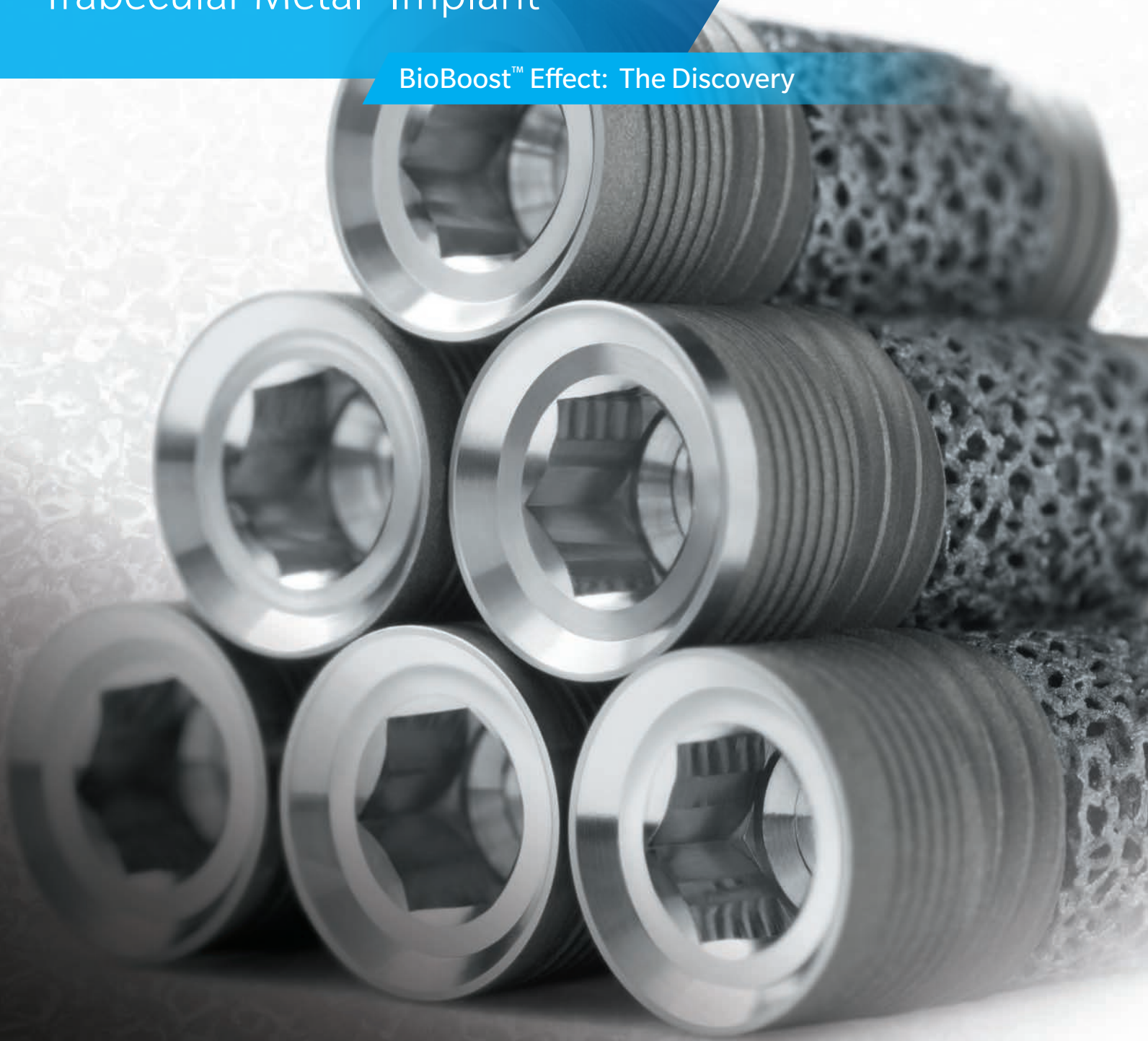


Trabecular Metal™ Implant

BioBoost™ Effect: The Discovery



ZIMMER BIOMET
Your progress. Our promise.®

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

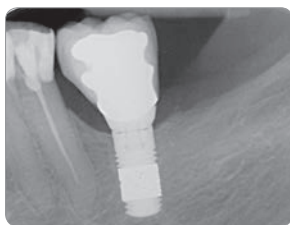
Accelerate healing with a 2-week final loading protocol.¹²⁻¹⁵

The *BioBoost* Effect accelerates healing and bone formation through the multiplication of naturally-occurring growth factors related to bone formation, wound healing, and vascularization.^{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.¹²⁻¹⁴

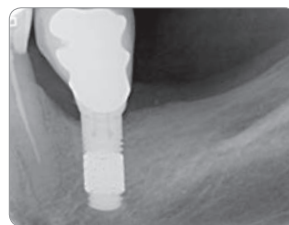
- Early bone healing and attachment through enhanced gene expression compared to traditional implants^{3,6}
- Significantly higher up regulation of growth factors related to bone healing than traditional implants^{3,6}
- 97.2% survival after five years, two-week final loading protocol¹²
- 100% survival after four years, two-week final loading protocol in extraction sites¹⁴



Six-month result.



Two-year result.



Five-year result.

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*® *Encode*® 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).



Fig. 1a

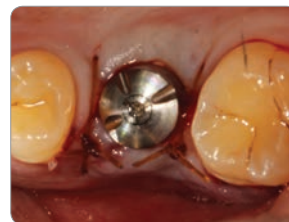


Fig. 1b

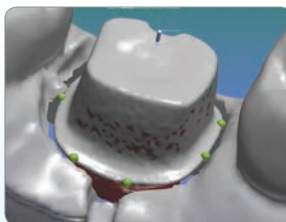


Fig. 2



Fig. 3

Images courtesy of Dr. Suheil Boutros, Grand Blanc, Michigan



Risk Management

Expand treatment in poor bone and impaired healing.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.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 patients²¹
- 97.2% survival after three years in patients with systemic disease²²
- Faster bone healing around *Trabecular Metal* Implants than traditional implants in diabetic and osteopenic patients^{7,8}



Postablative cancer patient after head and neck radiation and chemotherapy.



Trabecular Metal Placement in very soft, porous bone.



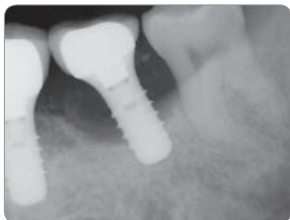
Successful restoration of function and aesthetics, four-year result.

Images courtesy of Dr. Suheil Boutros, Grand Blanc, Michigan

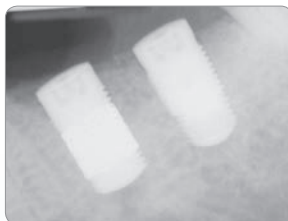
Revision Therapy

Leverage the healing advantage in implant replacement.

Patients with a previously failed implant are at a higher risk for another failure.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,¹⁻⁸ making them an excellent choice in revision therapy.



Significant peri-implantitis resulted in removal of implants after two years in function.



Revision with a *Trabecular Metal* Implant (left) and TSV Implant (right).



Six-year result.

Images courtesy of Dr. Michele Dimaira, Flourtown, Pennsylvania

Ordering Information



Trabecular Metal Dental Implant, MTX® Surface, Fully Textured with Microgrooves

Includes Fixture Mount/Transfer and Cover Screw.



Implant Diameter	Implant Platform	Internal Hex Connection	Implant Length			
			10 mmL	11.5 mmL	13 mmL	16 mmL
3.7 mmD	● 3.5 mmD	2.5 mmD	TMTB10	TMTB11	TMTB13	TMTB16
4.1 mmD	● 3.5 mmD	2.5 mmD	TMT4B10	TMT4B11	TMT4B13	•
4.7 mmD	● 4.5 mmD	2.5 mmD	TMTWB10	TMTWB11	TMTWB13	•
6.0 mmD	● 5.7 mmD	3.0 mmD	TMT6B10	TMT6B11	TMT6B13	•

Trabecular Metal Dental Implants With 0.5 mm Machined Collar, MTX Surface And Microgrooves

Includes Fixture Mount/Transfer and Cover Screw.



Implant Diameter	Implant Platform	Internal Hex Connection	Implant Length			
			10 mmL	11.5 mmL	13 mmL	16 mmL
3.7 mmD	● 3.5 mmD	2.5 mmD	TMMB10	TMMB11	TMMB13	TMMB16
4.1 mmD	● 3.5 mmD	2.5 mmD	TMM4B10	TMM4B11	TMM4B13	•
4.7 mmD	● 4.5 mmD	2.5 mmD	TMMWB10	TMMWB11	TMMWB13	•
6.0 mmD	● 5.7 mmD	3.0 mmD	TMM6B10	TMM6B11	TMM6B13	•

TSV® BellaTek® Encode® Healing Abutments

Healing collar and impression coping enabling definitive abutment design by your Encode Empowered Laboratory.



Implant Platform	Emergence Profile	Cuff Height		
		3.0 mm	5.0 mm	7.0 mm
● 3.5 mmD	3.8 mmD	TEHA3383	TEHA3385	TEHA3387
● 3.5 mmD	5.0 mmD	TEHA3503	TEHA3505	•
● 4.5 mmD	5.0 mmD	TEHA4503	TEHA4505	•
● 4.5 mmD	5.6 mmD	TEHA4563	TEHA4565	TEHA4567
● 4.5 mmD	6.0 mmD	TEHA4603	TEHA4605	•
● 5.7 mmD	6.8 mmD	TEHA5683	TEHA5685	•

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Contact us at 1-800-342-5454 or visit
zimmerbiometdental.com

Zimmer Biomet Dental
 Global Headquarters
 4555 Riverside Drive
 Palm Beach Gardens, FL 33410
 Tel: +1-561-776-6700
 Fax: +1-561-776-1272

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