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**Announcement**

**Zimmer Dental Educates Clinicians on Attributes of Trabecular Metal Material**

Zimmer Dental Inc., a leading provider of dental oral rehabilitation products and a subsidiary of Zimmer Holdings, Inc., is studying ways in which *Trabecular Metal™* Technology can be applied to the dental market. Manufactured at Zimmer’s TMT facility in Parsippany, NJ, USA, *Trabecular Metal* Material has been used in the company’s cutting-edge orthopaedic devices for more than a decade.

*Trabecular Metal* Material is a three-dimensional, highly biocompatible material—not an implant surface or coating—with a structure, function, and flexibility, comparable to cancellous bone.4-6 Made from tantalum, element number 73 in the periodic table, *Trabecular Metal* Material is fabricated utilizing a proprietary vapor deposition process.

A glimpse inside *Trabecular Metal* Material reveals its uniform, three-dimensional cellular architecture with up to 80 percent porosity2-4,6,24,25 and a surface area exhibiting a consistent, nanotextured topography.26,27 While conventional textured or coated implant surfaces achieve bone-to-implant contact, or on-growth, *Trabecular Metal* Material’s open and interconnected network of pores is designed for both on-growth AND in-growth, or osseoincorporation.2,4,24 This means that bone has the potential to not only grow into the pores and around the struts, but also to interconnect.

While other manufacturers have attempted to mimic the properties of *Trabecular Metal* Technology through sintered bead and other conventional porous coatings and materials, the end products have differed significantly.24,29-31,35-37 The cancellous-like structure, interconnected porosity and in-growth potential are a unique combination of attributes that contribute to the osteoconductive properties of *Trabecular Metal* Material.1-6,24,25

For decades, Zimmer Dental has gained the trust of thousands of clinicians worldwide who count on its comprehensive line of products to deliver successful patient outcomes. By looking to new and innovative technologies and leveraging its relationship with its parent company, Zimmer Holdings, Zimmer Dental continues to reinforce its commitment to offering state-of-the-art dental solutions to clinicians.

Contact a Zimmer Dental Sales Consultant or Customer Service at (800) 854-7019, (760) 929-4300 (for outside the U.S.), or visit [TrabecularMetal.ZimmerDental.com](http://www.zimmerdental.com/www.zimmerdental.com) for more information.

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