



Filling nature's void.

“I feel so much more confident and self-assured after having my dental health restored with dental implants and bone grafting.”

– Vera

“Having my mouth restored with bone grafts and dental implants has changed my life.”

– Victoria



¹ Data on file with RTI Biologics, Inc.

² Schoepf C. Allograft safety: the efficacy of the Tutoplast Process. *Implants: International Magazine of Oral Implantology*. 2006;1(7):10-15.

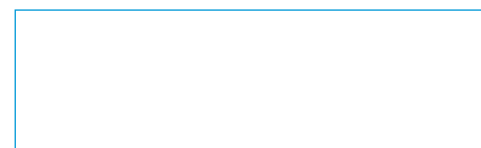
³ Minichetti JC et al. Human histologic analysis of mineralized bone allograft (Puros) placement before implant surgery. *J Oral Implantol*. 2004;30(2):74-82.

⁴ Noubissi SS et al. Clinical, histologic, and histomorphometric evaluation of mineralized solvent-dehydrated bone allograft (Puros) in human maxillary sinus grafts. *J Oral Implantol*. 2005;31(4):171-179.

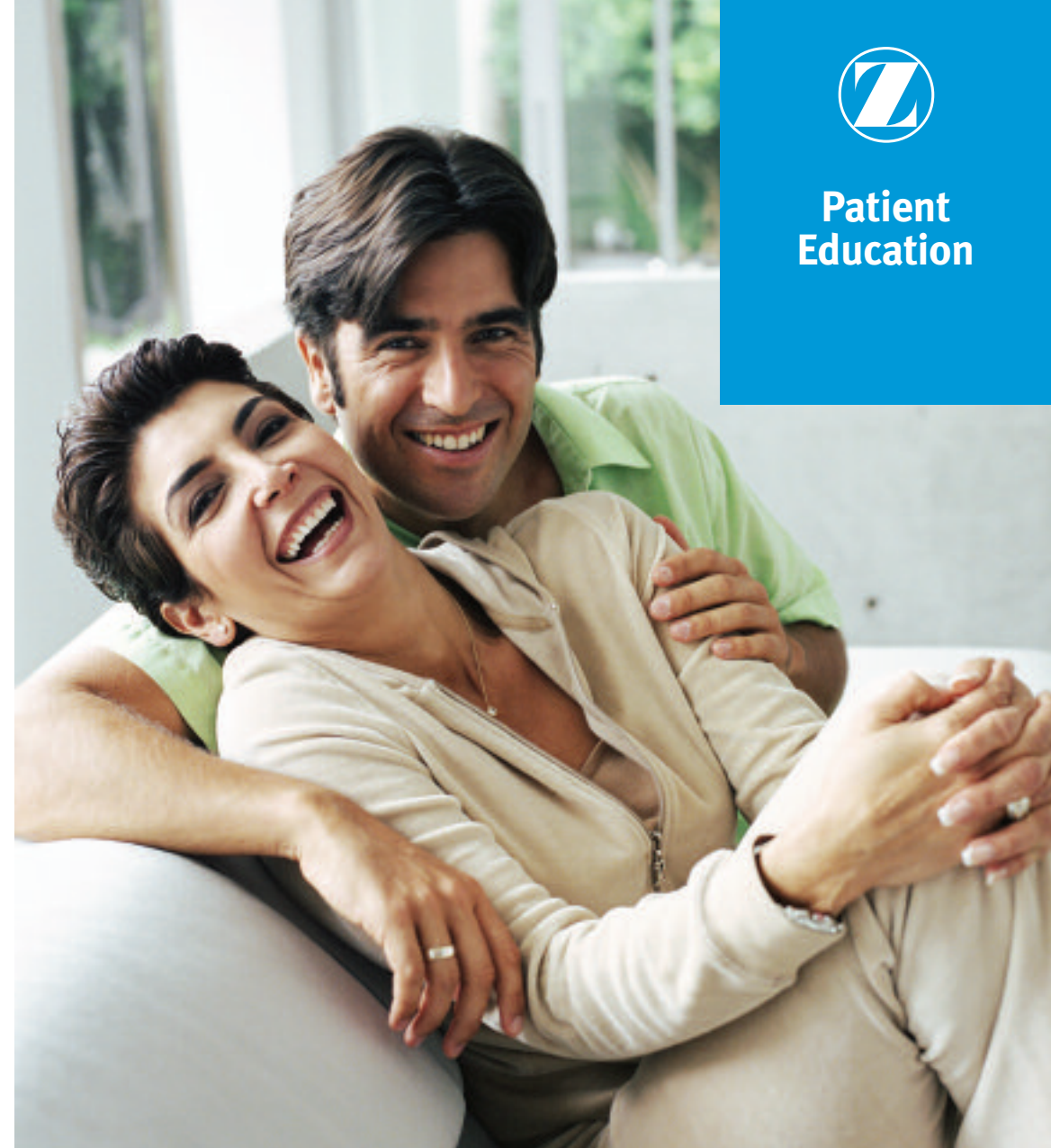
⁵ Hagele D, Fruhwirth O et al. Results of sling surgery using Tutoplast dura. *Geburtshilfe Frauenheilkd*. 1983;43(12):762-765.

About Zimmer Dental Inc.

The information in this booklet was compiled as an educational service by Zimmer Dental Inc., a company recognized as a leader in biomedical innovation in implants and prosthetics for dental implantology.



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Patient Education

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Healthy bone growth. Pure and simple.
Puros® Bone Allografts.



www.zimmerdental.com



Working together with nature.

Your doctor has recommended that you have a surgical procedure in which *Puros* bone graft will be used. This brochure is designed to answer some common questions about the family of *Puros* bone graft products. However, your doctor is the best source of information about your specific procedure.



Why do I need a bone graft?

Doctors usually recommend a bone graft when there is not enough bone available to place a dental implant or dentures. This typically occurs as a result of bone resorption that takes place when teeth are not present. Bone grafting procedures restore bone that has been lost due to resorption. This type of procedure is common for many implant patients.

What is a bone graft?

Bone grafts are used to fill bony defects, provide structural support, and build up deficient areas of the jaw when bone loss occurs. For example, it is sometimes necessary to rebuild the bone by using a bone graft prior to placing dental implants or dentures. There are different types of grafting materials available to treat various conditions. Consult with your doctor for the options that will be best for treating your case.

What is an allograft?

Puros grafts are classified as allograft material. An allograft consists of tissue intended for transplantation into another individual of the same species. According to the American Association of Tissue Banks, over the past five years approximately 7.5 million bone and tissue allografts have been distributed to surgeons for transplantation into patients.

How are allografts obtained?

Every potential bone donor is screened and tested before being considered for donation. This screening consists of a review of medical and social histories by a medical doctor to ensure donor eligibility. Individuals with any history of disease such as AIDS or hepatitis are immediately rejected. Potential donors with histories of any condition that can affect the quality and performance of the allograft are also excluded!

What are Puros Allografts?

Puros Allografts are a family of premium, sterile allografts distributed by Zimmer Dental. *Puros* Allografts are prepared for transplantation through extensive testing and screening, and proprietary, validated sterilization processes. These allograft implants have documented clinical success in dental, head and neck, spine, sports medicine, and other specialty surgeries.²⁻⁵

Why Puros Allografts?

Not all allografts are alike. Your doctor is recommending the use of a *Puros* Allograft because the rigorous processing standards for *Puros* Allografts have been designed to maximize both the safety and efficacy of the graft. *Puros* Allografts are validated to have the same sterility assurance level as metal or synthetic implants, while still retaining the original tissue quality.²

How does Puros heal in your body?

Puros Allograft will act as a support or bridge for normal bone growth. Over time, your own living cells will begin to grow into the allograft. As your body undergoes its natural healing process, the *Puros* Allograft gradually becomes replaced by your own healthy new bone.



Figure A
Tooth loss resulting in recessed bone.



Figure B
Puros bone graft applied to restore bone.



Figure C
Regenerated bone with gum tissue in place.



Figure D
Successfully restored tooth with dental implant.

Are Puros Allografts sterile?

The *Tutoplast*[®] Process used to sterilize and preserve *Puros* Mineralized Allografts has been used for over 35 years, with treated tissues implanted in more than 1.5 million procedures!¹ Likewise, *Puros* Allograft pastes are sterilized through the demineralization process, a validated viral inactivation step, and then through gamma irradiation!¹ Every batch of *Puros* Allograft material undergoes strict, quality-controlled processing and sterilization. *Puros* Allografts are sterile and ready to use as a result of this process.

Sometimes a patient's age, lifestyle or medical condition can affect the performance of an allograft. Consult your doctor to determine if these factors apply to you.