An Essential Part of Regenerative Success

Begins with a Proven Treatment Concept

Geistlich Bio-Oss® and Geistlich Bio-Gide® have been used successfully in Guided Bone Regeneration (GBR) procedures, to maintain ridge volume and esthetics, in a wide variety of Therapeutic Areas. Many of these cases include significant hard-tissue loss, which requires bone grafting prior to implant placement.¹

Autologous grafts have long been considered ideal for GBR procedures as they present osteoconductive, osteoinductive, and osteogenic potential.² However, a disadvantage has been that the resorption rate of autologous bone is significantly greater than that of Geistlich Bio-Oss®.³⁴ This may result in a lack of long-term volume preservation that could negatively impact the ability for optimal implant placement and compromise esthetics.³⁵

The application of Geistlich biomaterials in conjunction with an autologous bone graft optimizes the autologous graft’s osteoinductive potential and the osteoconductive capacity of Geistlich Bio-Oss®.³⁴ Combining a 1:1 mixture of locally harvested autologous bone chips with Geistlich Bio-Oss® covered by Geistlich Bio-Gide® can result in a significant reduction of hard-tissue resorption.³⁴⁶

Predictable Clinical Outcomes

Geistlich Bio-Oss® and Geistlich Bio-Gide® are the ideal biomaterials for procedures where autologous bone is utilized. Geistlich Bio-Oss® provides a stable scaffold for bone formation leading to long-term volume preservation, while Geistlich Bio-Gide® ensures undisturbed bone regeneration and prevents soft-tissue ingrowth.

The similarity of Geistlich Bio-Oss® to human bone

Geistlich Bio-Oss®, Human Bone

Bone tissue (BT) and osteoclasts cells (*) inside ABB particles (Masson trichrome X400).⁴

1 Defect filled with autogenous bone
2 Contour augmentation is achieved with Geistlich Bio-Oss®
3 The augmentation material is covered with Geistlich Bio-Gide®
   applied with a double-layer technique
4 An optimal esthetic outcome and stable tissue height at 5 year follow-up

Prof. Daniel Buser (Bern, Switzerland)
With Effective Tools for Bone Harvesting
That Bring Ease and Versatility

Geistlich's Bone Harvesting Instrumentation utilize a manual harvesting technique which allows the graft to retain cell viability, essential for graft integration. Due to their excellent cutting efficiency, they are atraumatic, effective on any bone surface (plane, concave, convex), and accelerate harvesting time. The collected bone shavings are the appropriate size and thickness for graft integration and contain well-preserved bone cells, including osteocytes, osteoblasts, osteoclasts and osteoprogenitor cells.

Enhanced Performance and Efficiency
• Exclusive micro-blade allows easy bone collection
• Narrow profile provides the ability for bone collection at the defect site
• Designed for tunneling surgical techniques, minimizing patient discomfort
• Collection chamber capacity: .25 cc

Combining Versatility and Flexibility
• Curved tip facilitates easy access to donor sites which makes it ideal for both minor and major harvesting procedures
• Ergonomic design provides excellent control during the harvesting procedure
• Collection chamber capacity: 2.5 cc
THERAPEUTIC AREAS

At Geistlich Biomaterials, we are committed to developing treatments that are uniquely matched to the clinical situations you see every day. That’s why we do more than bring you a family of products – we provide proven solutions in specific therapeutic areas.

The recommended Geistlich products below are the ideal biomaterials for use in clinical procedures combined with autologous bone.

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The Ideal Geistlich Biomaterials for Regenerative Procedures Utilizing Autologous Bone

When used in combination, these proven and reliable products provide a foundation for long-term clinical success in regenerative dentistry. Geistlich Bio-Oss® provides a stable scaffold for bone formation leading to long-term volume preservation, while Geistlich Bio-Gide® ensures undisturbed bone regeneration and prevents soft-tissue ingrowth.

The Geistlich line of Bone Harvesting Instrumentation provide the ideal method for obtaining autologous bone for grafts in a variety of defects with a minimally invasive technique.

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CAUTION: Federal law restricts these devices to sale by or on the order of a dentist or physician.

For information on indications, contraindications, precautions, and directions for use, please refer to the Geistlich Bio-Oss®, Geistlich Bio-Oss Collagen® and Geistlich Bio-Gide® Instructions for Use at: www.geistlich-na.com/ifu

For additional information about Geistlich Cortical Bone Collectors, please visit the dental professionals section of our website: www.geistlich-na.com