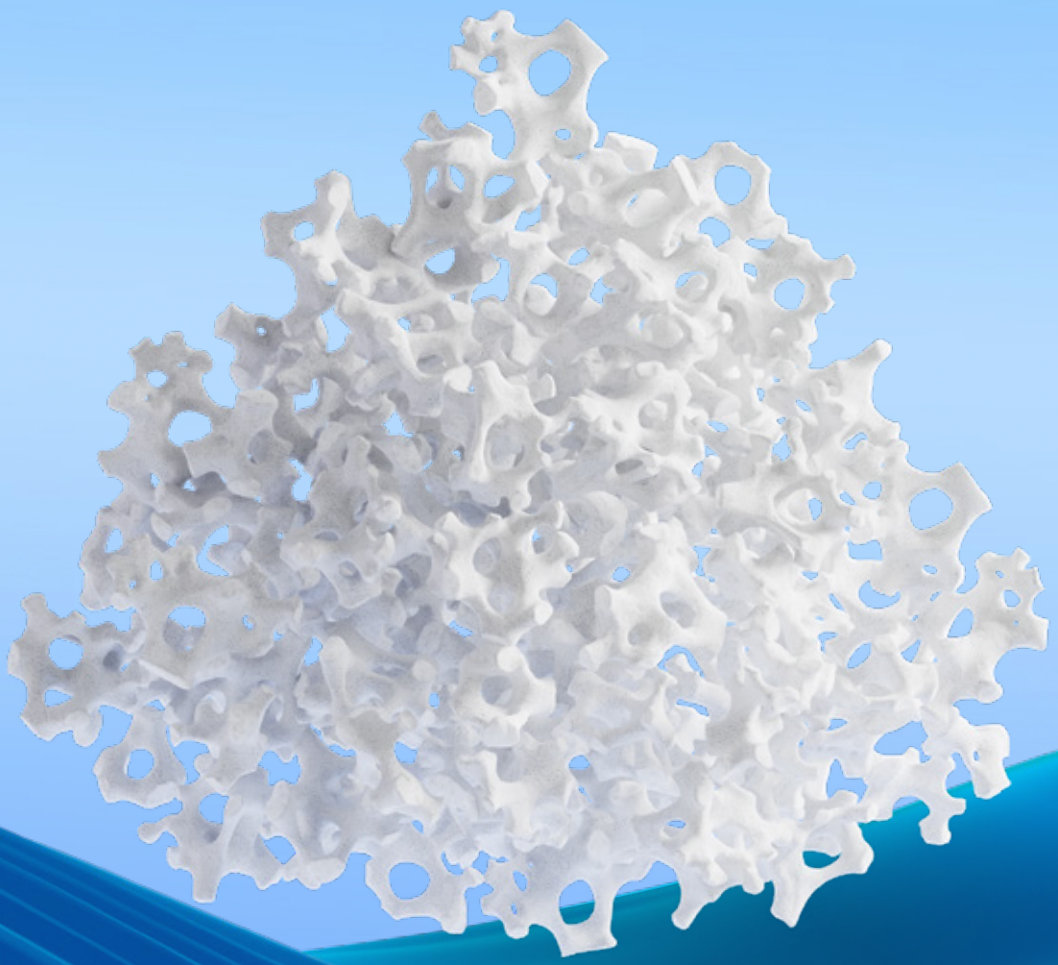
leading regeneration

Geistlich



Geistlich Bio-Oss®

The most trusted natural bone substitute

swiss made

Geistlich Bio-Oss®

Higher implant survival and volume stability start with Geistlich Bio-Oss® – the original natural bone substitute. Geistlich Bio-Oss® is the most trusted bone graft in regenerative dentistry worldwide.[1-3] Its outstanding osteoconductive properties lead to effective and predictable bone regeneration.[4-6] The bovine-derived particles build the foundation for exceptional long-term outcomes.[7-11]

Exceptional results you can rely on

- **Excellent implant survival rate:** Using Geistlich Bio-Oss® improves implant survival rates to 97.2%. This outperforms sites treated without graft material, with other bone substitutes, or with autologous bone.[12]
- **Unmatched volume stability:** The outstanding osteoconductive properties and slow resorption rate of Geistlich Bio-Oss® promote effective bone regeneration and long-term volume stability. This stable basis paves the way for excellent functional and esthetic results.[4-6,8,11]

Perform with user-friendly and time-saving products

- **Fast liquid uptake:** The unique micro- and macro-porous structure of Geistlich Bio-Oss® enables faster absorption of blood, nutrients, and growth factors compared to other bone substitutes. The pores fill with serum proteins and serve as a growth factor reservoir.[13,14]
- **Boost healing performance:** Combine Geistlich Bio-Oss® with autologous bone, REGENFAST®, or GEM 21S® to promote a faster healing process.[15,16] Its osteoconductivity makes it an excellent scaffold for new bone formation.[17,18]

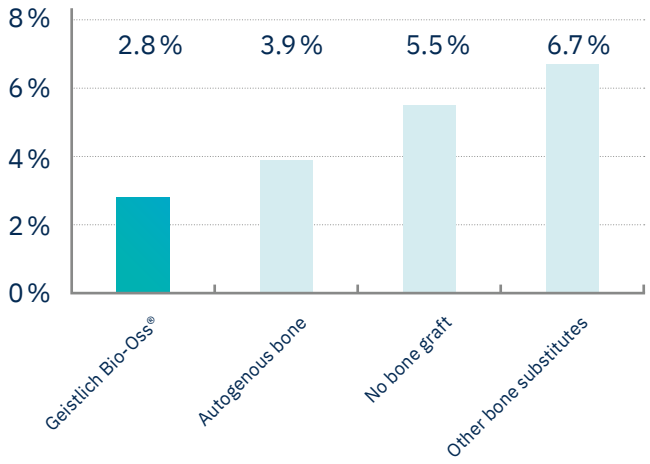
Why your patients will love the results

- **Most trusted:** Geistlich Bio-Oss® is the number one clinically proven bone substitute. Used by dental professionals worldwide every 21 seconds on average, more than 21 million patients have benefited from it – with documented success after 20+ years.[1-3,13,19]
- **Esthetics that last:** Geistlich Bio-Oss® and Geistlich Bio-Gide® are confirmed by multiple studies to demonstrate excellent long-term esthetic outcomes and peri-implant health – even 10+ years after a procedure.[11,19]

Trusted by dentists worldwide

Geistlich Bio-Oss® is the most widely used and well-documented bone substitute in dental regeneration.[1-3,13,19,20] For 40 years, it has enabled clinicians to maintain bone volume and implant stability with confidence.[4-6,8,11,12] Its slow resorption supports predictable long-term results where it matters most.[4-6,8,11,12]

Implant failure rates with different bone grafts (n = 5916)[12]



A retrospective study compared clinical outcomes in more than 3,000 patients and over 10,000 implants for up to 20 years. Geistlich Bio-Oss® achieved the highest implant survival rate among all treatment options.[12]



Strong foundation, strong outcomes.

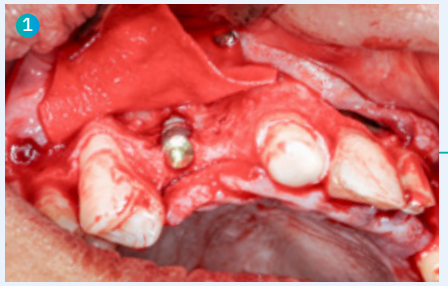
Comparative clinical trials spanning over two decades confirm that Geistlich Bio-Oss® and Geistlich Bio-Gide® deliver results comparable to pristine bone in terms of peri-implant health, marginal bone loss, and implant survival.[19]

Implant placement with simultaneous GBR in anterior maxilla with severe horizontal/vertical bone deficiency

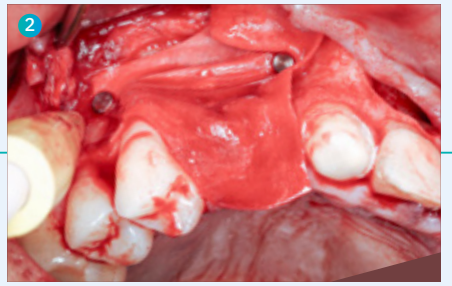


Dr. Roberto Ledergerber
Guayaquil, Ecuador

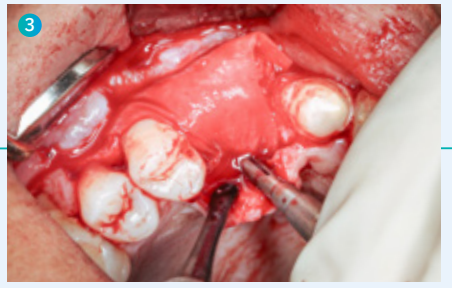
“It is reassuring to use one of the best-documented, evidence-based materials available, and be confident in long-term, predictable outcomes.”



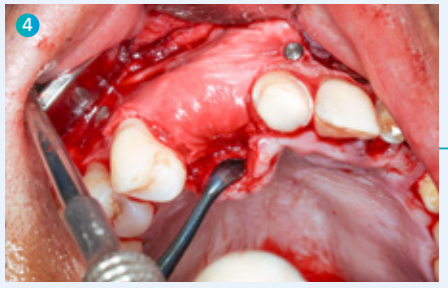
Following flap elevation, a dental implant was placed at site #13, which exhibited significant horizontal bone deficiency.



A Geistlich Bio-Gide® membrane was first secured to the facial aspect using fixation pins.



A mix of Geistlich Bio-Oss® and autologous bone was densely packed beneath the Geistlich Bio-Gide® membrane for stable contour, with subsequent pin fixation of the membrane on the palatal side.



The membrane was secured with a final fixation pin on the distobuccal aspect, and the flap was closed.



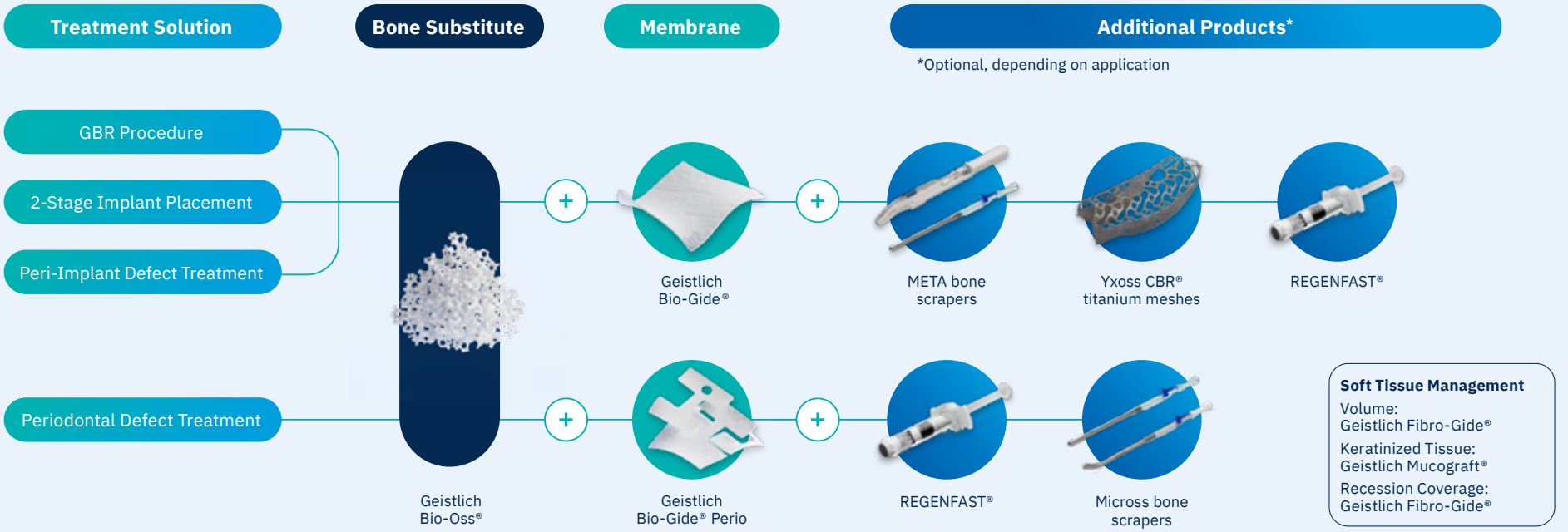
Initial situation: Due to failure of the supporting teeth, the existing fixed prosthetic bridge spanning teeth #11 to #13 required replacement.



After treatment: A new fixed dental prosthesis was placed, individual crown in tooth #11 and an implant abutment in #13 with a cantilever to #12.

Versatile for all your treatment needs

For clinicians who seek exceptional results with proven long-term reliability, we provide versatile solutions to achieve clinical and professional success. Geistlich Bio-Oss® is part of Geistlich’s treatment solutions for Guided Bone Regeneration[11], 2-stage implant placement[21], as well as periodontal[22-24] and peri-implant[25] defect treatment.



Ready for the next step?

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3 Buy

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Geistlich

Geistlich – committed to regenerative dentistry

Geistlich is the global leader in dental regeneration, backed by more than 170 years of expertise in processing and refining bone and tissue. We are dedicated to developing evidence-based products that promote the regeneration of bone, cartilage, and soft tissue — ensuring better healing, long-term stability, and improved quality of life for patients.

Advancing science and patient care
With thousands of scientific studies and the highest Swiss quality standards, we have been shaping the field of regenerative medicine for decades. Through our global educational programs, reaching over 100,000 professionals each year, and our close partnerships with leading scientists, clinicians, and over 100 universities worldwide, we ensure that patients benefit from the latest scientific knowledge and advanced treatment methods.

Rooted in tradition, driven by innovation
As a fifth-generation family-owned company, Geistlich stands for reliability, trust, and innovation. We develop our products carefully with dentists, surgeons, and patients in mind — constantly expanding our portfolio through in-house innovations and strategic partnerships. From the heart of Switzerland to the world, we deliver long-term solutions that enable the best possible patient care.

Grow with Geistlich

Education programs
Comprehensive, tailored training courses for all dental professionals, including Geistlich myGuide®, a self-paced learning experience.

Checklists and templates
Geistlich offers tools to simplify oral surgery and ensure consistent outcomes.

Patient education
Geistlich provides materials to help educate patients and boost caseacceptance rates.

Scientific opportunities
Geistlich supports the scientific community by offering opportunities like research grants and Young KOL programs to advance bone and soft tissue regeneration.

Available Sizes*

Small granules (0.25–1 mm)
0.125 g ~ 0.25 cc, 0.25 g ~ 0.5 cc,
0.5 g ~ 1 cc, 1 g ~ 2 cc, 2 g ~ 4 cc

Large granules (1–2 mm)
0.25 g ~ 0.75 cc, 0.5 g ~ 1.5 cc,
1 g ~ 3 cc, 2 g ~ 6 cc

* Product availability may vary depending on your location.



swiss made

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