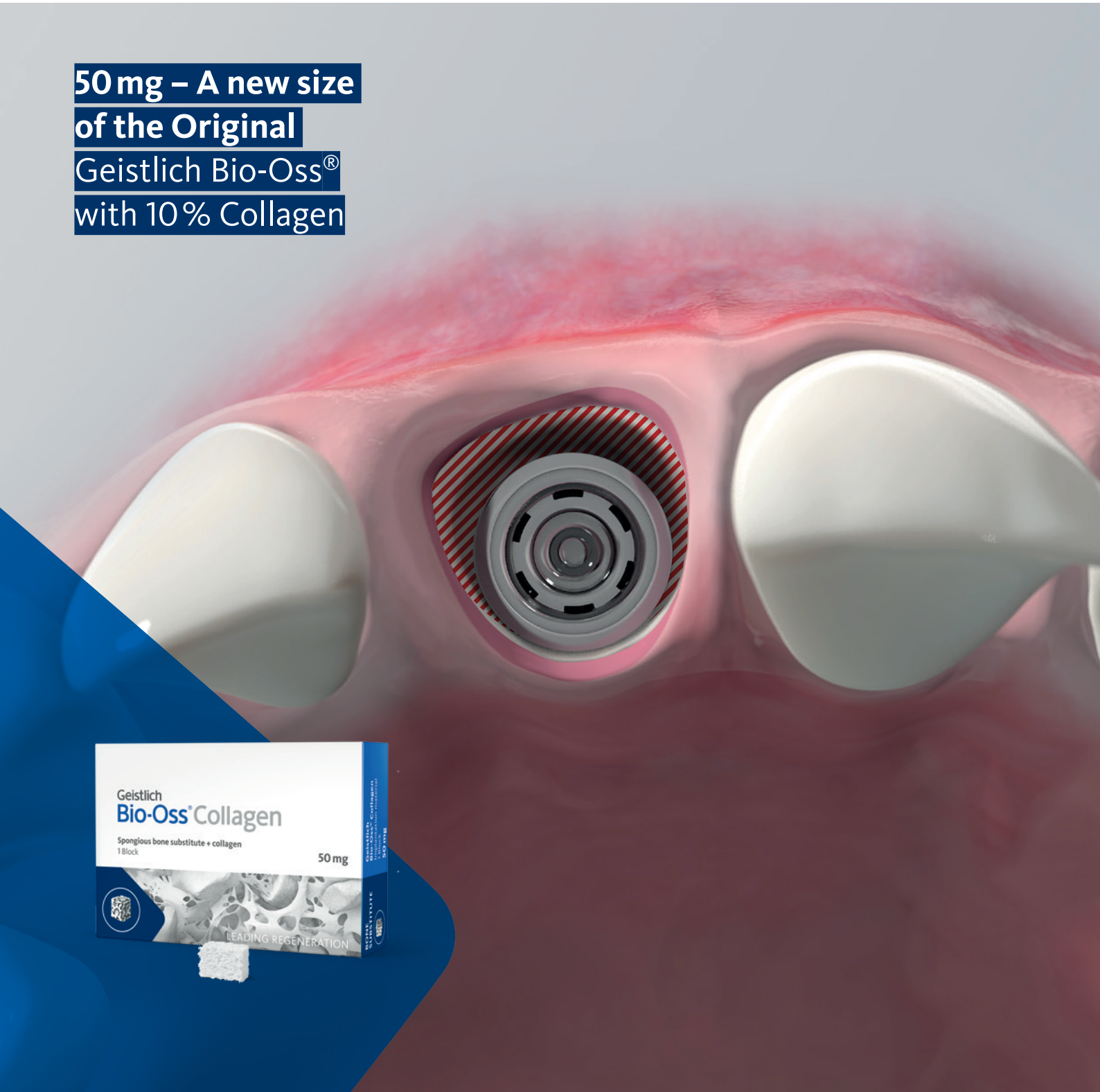
LEADING REGENERATION

Geistlich
Biomaterials

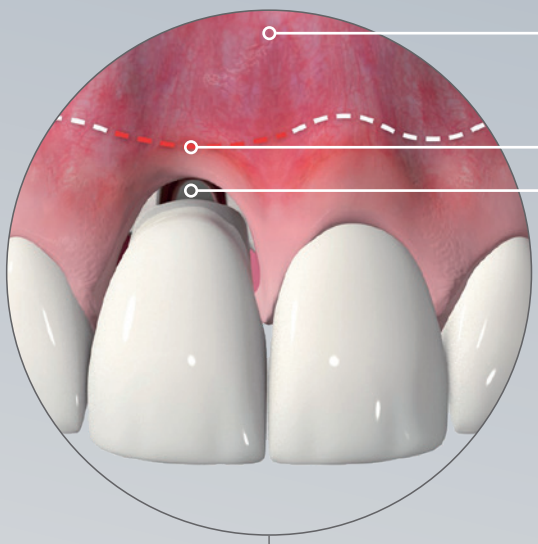
A little innovation can make a big difference

Geistlich Bio-Oss® Collagen



Shield for Success

Consequence of missing prevention by regeneration is...

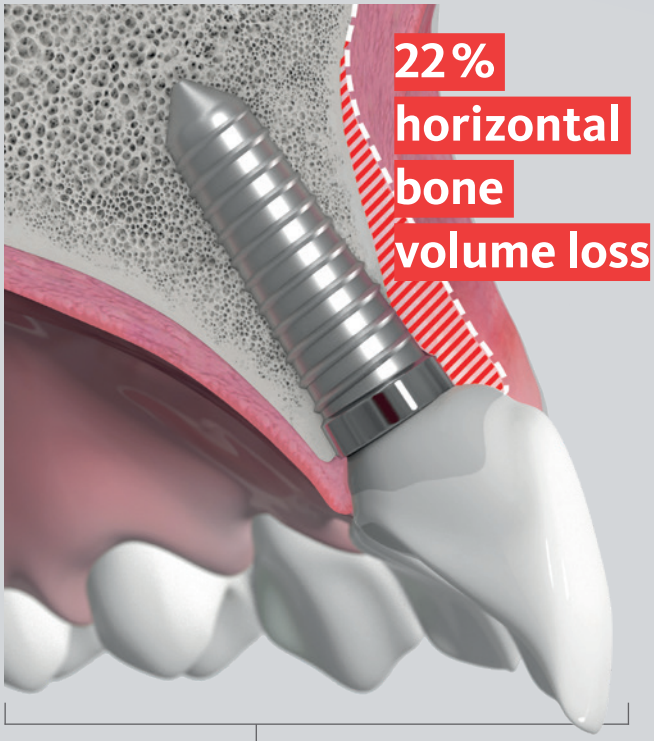


Immediate implant alone cannot maintain the ridge volume after tooth extraction.[1,2]

Leaving the gap yields 2.7 times more resorption than filling the peri-implant gap with Geistlich Bio-Oss Collagen and Geistlich Bio-Gide.[1]

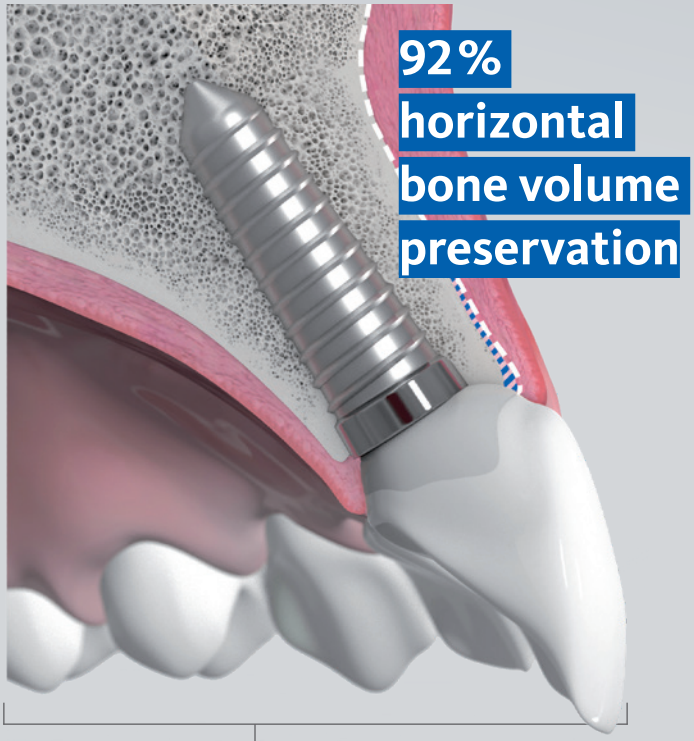
Horizontal ridge resorption is more pronounced in the esthetic zone (anterior maxilla) and with thinner buccal bone plates.[3]

Without filling the gap
After 1 year



Bone resorption[1]
- 22 % horizontal volume lost
- 1.7 mm vertical loss

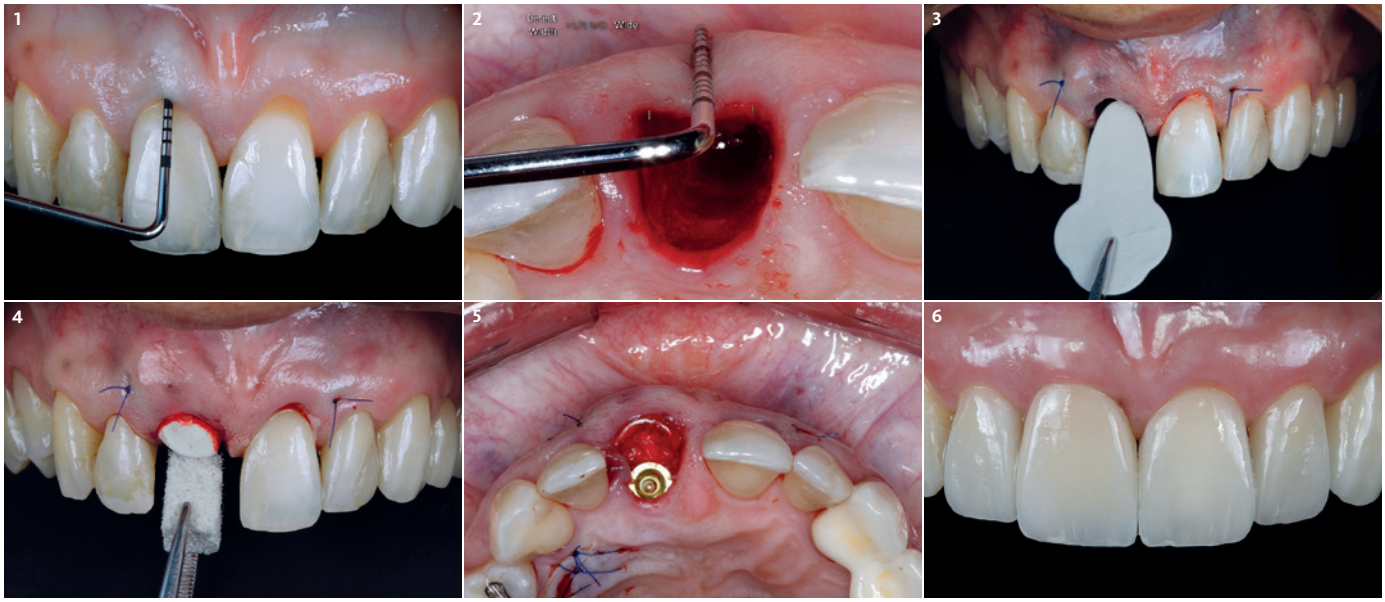
Filling the gap with Geistlich Bio-Oss® Collagen
After 1 year



Maximize bone volume preservation[1]
- 92 % horizontal volume preserved
- 0.6 mm vertical loss

Immediate implant placement with buccal bone wall defect

Prof. Julio C. Joly, Prof. Robert C. da Silva, Prof. Paulo F. M. de Carvalho, Dr. Victor Clavijo | São Paulo, Brazil



1 Initial examination shows a probing depth of 9,0 mm suggesting a root fracture. A CBCT identifies an extensive loss of buccal bone wall.

2 Pressing gently with the periodontal probe over the defect, the U Defect depth and width can be identified.

3 After augmenting the soft-tissue thickness and covering the recession for 11 and 21 with a connective tissue graft, Geistlich Bio-Gide® Shape is placed below the graft and the periosteum.

4 Geistlich Bio-Oss® Collagen is placed to fill the gap and the membrane should exceed at least 3 mm apical and lateral of the defect.

5 The biomaterials fill the gap and support the tissues while maintaining the necessary bone volume.

6 The provisional crown used immediately after grafting and implant placement is replaced by the final crown after 6 months of healing.

7 Crestal view of the final restoration with a nice emergence profile 6 months after simultaneous grafting and immediate implant placement.

"Geistlich Bio-Oss® Collagen can effectively offset the bone resorption pattern that naturally occurs following tooth extraction, which as we know can hamper esthetics and lead to soft-tissue instability."

PROF. ROBERT C. DA SILVA

50 mg – A new size of the Original Geistlich Bio-Oss® with 10 % Collagen

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NEW SIZE

Geistlich Bio-Oss® Collagen

Geistlich Bio-Oss® (small granules) + 10 % collagen (porcine)
Sizes: 50 mg (2.5 × 5.0 × 7.5 mm), 100 mg (5.0 × 5.0 × 7.0 mm), 250 mg (7.0 × 7.0 × 7.0 mm), 500 mg (10.0 × 10.0 × 7.0 mm)

Geistlich Bio-Gide® Shape

Pre-shaped, bilayer collagen membrane Size: 14 × 24 mm

"Geistlich Bio-Oss® Collagen 50mg was the ideal size graft material for placement between the implant and facial plate for maintaining the hard and soft-tissue volume throughout the course of osseointegration and healing."

DR. JUSTIN KANG | NEW JERSEY, USA

1 Cardaropoli, D. et al. IJPRD 2014;34:631-637. (clinical study)
2 Vignoletti, F. & Sanz, M. Periodontology 2000 2014;66:132–152. (clinical study)
3 Sanz, M., et al. Clin Oral Implants Res. 2017 Aug;28(8):902-910. (clinical study)