A little innovation can make a big difference
Geistlich Bio-Oss® Collagen

50 mg – A new size of the Original Geistlich Bio-Oss® with 10% Collagen
Immediate implant alone cannot maintain the ridge volume after tooth extraction.\textsuperscript{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.\textsuperscript{1}

Horizontal ridge resorption is more pronounced in the esthetic zone (anterior maxilla) and with thinner buccal bone plates.\textsuperscript{3}

Without filling the gap
After 1 year

Bone resorption\textsuperscript{1}

- 22% horizontal volume lost
- 1.7mm vertical loss

Filling the gap with Geistlich Bio-Oss\textsuperscript{®} Collagen
After 1 year

Maximize bone volume preservation\textsuperscript{1}

- 92% horizontal volume preserved
- 0.6mm vertical loss
Immediate implant placement with buccal bone wall defect

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
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“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)