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LEADING REGENERATION

Geistlich Biomaterials

The Master's Choice

Geistlich No. 1 biomaterials[18–24] combined in Geistlich Combi-Kit Collagen



› Ideal for Ridge Preservation and Minor Augmentation[1–5]

› High Biofunctionality[2–8]

› Scientifically Proven[1–8]

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Geistlich Combi-Kit Collagen: the ideal combination



Geistlich Bio-Oss® Collagen: Shapeable and malleable.[9]

Key benefits of Geistlich Bio-Oss® Collagen

- Geistlich Bio-Oss® granules supports long-term stability of bone volume through slow resorption[10,11]
- The collagen component allows ideal shaping[7]
- Proven success[4,5]









Geistlich Bio-Gide®: Native Collagen Membrane. High Therapy Safety.

Key benefits of Geistlich Bio-Gide®

- The unique bilayer structure allows for uneventful wound healing[12,16] and optimal bone regeneration[13,17]
- Hydrophilicity, flexibility and tear resistance ensure easy handling[9]
- High therapy safety and predictable results proven with long-term studies[14,15]







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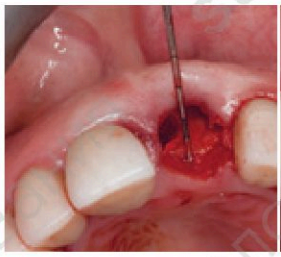
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Dr. Karl-Ludwig Ackermann†, Filderstadt, Germany:

"The reliable solution for Ridge Preservation with alveolar defects."

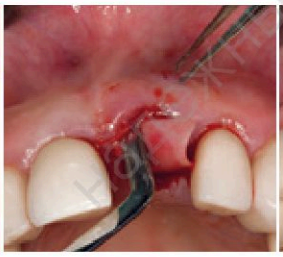
"Alveolar management with Geistlich Bio-Oss® Collagen, and additionally with the Geistlich Bio-Gide® membrane in compromised alveoli, is a must for me and my patients to achieve functionally and aesthetically good outcomes – regardless whether I intend to implant after tooth extraction or provide a purely prosthetic solution. In my opinion, for Ridge Preservation, the Geistlich Combi-Kit Collagen is the most reliable solution."



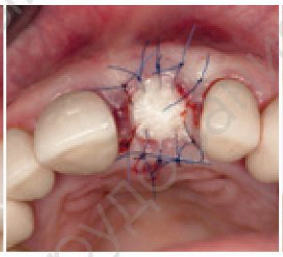
Situation after extraction of a tooth with root caries. Probing at buccal alveolar wall is shown.



Use of Geistlich Bio-Oss® Collagen in Ridge Preservation (dehiscence on labial-crestal alveolar wall).



Covering of the Geistlich Bio-Oss® Collagen with a Geistlich Bio-Gide® membrane for lingual and labial subperiosteal stabilization.



Sufficient number of interrupted sutures of a palatally harvested free gingival punch (tissue punch technique).



Transgingival view of the inserted Camlog Promote Plus screw implant (7.5 months after Ridge Preservation).



Prof. Maurício Araújo, Maringá, Brazil:

"Socket grafting with Geistlich Combi-Kit Collagen promotes the maintenance of the ridge profile."

"Geistlich Bio-Oss® Collagen is a user friendly and reliable biomaterial. It can promote a proper ridge profile for the future restoration. I use Geistlich Bio-Gide® combined with Geistlich Bio-Oss® Collagen or Geistlich Bio-Oss® granules in extraction sockets which exhibit loss of one or two walls. Additionally, this combination works well in small defects such as periodontal or peri-implant lesions. I trust Geistlich biomaterials because they are supported by scientific evidence and years of successful clinical experience."



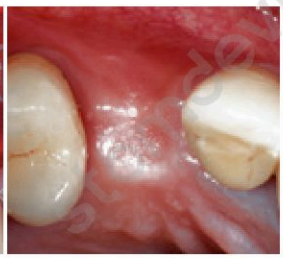
Significant buccal bone dehiscence visible after extraction of tooth 14 and flap elevation.



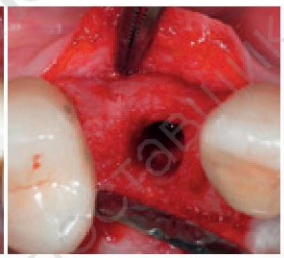
Defect augmentation with Geistlich Bio-Oss® Collagen.



A Geistlich Bio-Gide® membrane is applied to cover the augmented area.



Occlusal view of the preserved ridge contour after 4 months.



4 months after extraction: widely formed new buccal bone.

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Dr. Daniele Cardaropoli, Torino, Italy:

"I successfully use Geistlich Biomaterials for Ridge Preservation in an open healing approach."

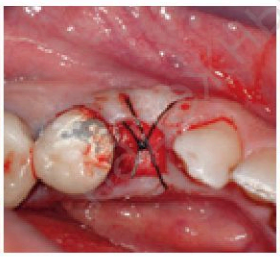
"I routinely use the Ridge Preservation technique after tooth removal. Following delicate extraction, the alveolus is filled with Geistlich Bio-Oss® Collagen. A Geistlich Bio-Gide® membrane is gently inserted into the sulcus without elevating a flap and secured in place with a cross-mattress suture. No connective tissue harvesting is needed to close the socket. After 3 to 4 weeks, a complete healing of the soft tissue can be observed over the previously exposed membrane, notably with creation of keratinized tissue and protection of the graft. After 4 months, the implant surgery can be successfully completed in a well preserved bone ridge."



Hopeless lower premolar. A flapless approach is preferred, leaving the interdental papillae intact and preserving the cortical bone walls.



After tooth extraction, the socket is augmented with Geistlich Bio-Oss® Collagen, gently packed to completely fill the alveolus.



A Geistlich Bio-Gide® membrane is gently inserted into the sulcus and secured by a cross-mattress suture, allowing open healing.



4 months after extraction, complete healing and maturation of both soft and hardtissues is achieved.



12-months follow-up: the use of Geistlich Bio-Oss® Collagen and Geistlich Bio-Gide® preserved the ridge volume. A safe implant placement is possible.



Dr. Ronald Jung, Zurich, Switzerland:

"Peri-implant defects can be treated successfully with the Geistlich Combi-Kit Collagen."

"For buccal, peri-implant defects in the aesthetic zone, Geistlich Combi-Kit Collagen provides the material needed to build volume and to mimic natural root prominence. The Geistlich Bio-Oss® Collagen is cut L-shaped and adapted to the defect. Through this, the peri-implant soft-tissue is supported and yields an optimally constructed contour. The 10% share of collagen may contribute to stabilization of the blood clot and holds the Geistlich Bio-Oss® particles together."



After implant placement a bone dehiscence associated with a one wall defect is observed in region 11.



After application of Geistlich Bio-Oss® particles to the defect, Geistlich Bio-Oss® Collagen is cut in an L-shape form and adapted to the site for volume contour.



Geistlich Bio-Oss® Collagen is carefully applied. Geistlich Bio-Oss® particles are used in addition to round the edges.



The defect is covered with a Geistlich Bio-Gide® membrane.



At 10 months: an optimal ridge contour is achieved.

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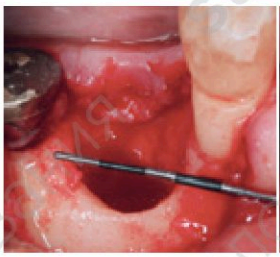
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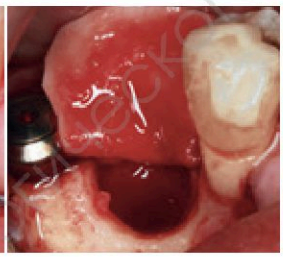
Prof. Mariano Sanz, Madrid, Spain:

“Geistlich products have earned my trust over the years.”

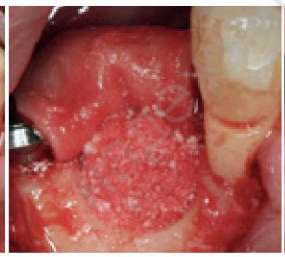
“I use Geistlich Biomaterials since several years but have only recently discovered Geistlich Bio-Oss® Collagen. It has better handling properties compared to Geistlich Bio-Oss® granules, is easier to shape and quicker to apply. In my opinion, Geistlich Combi-Kit Collagen is the ideal choice for extraction socket management and also for the treatment of narrow, deep defects.”



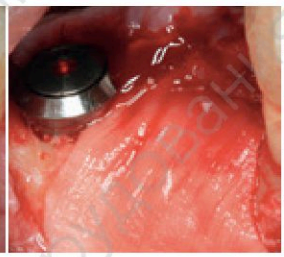
Extraction socket after tooth removal. Predominant socket width due to a circumferential periodontal defect down to the apex.



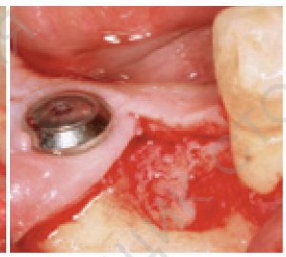
Placement of Geistlich Bio-Gide® between the lingual flap and bone crest to facilitate the defect closure.



The socket is filled with Geistlich Bio-Oss® Collagen, gently packed to completely fill the alveolus.



The augmented socket is protected by the membrane, extending its margins to the native bone. Flaps are prepared to obtain primary closure of the regenerated site.



Surgical view of the augmented site before implant site preparation 4 months after Ridge Preservation.



The Dream-Team:
Geistlich Bio-Oss® Collagen and Geistlich Bio-Gide®



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Product range*

Geistlich Biomaterials

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Geistlich Combi-Kit Collagen

Geistlich Bio-Oss® Collagen: 100 mg
Geistlich Bio-Gide®: 16 x 22 mm



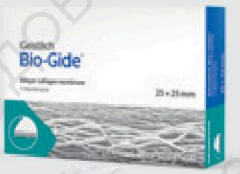
Geistlich Bio-Oss® Collagen

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



Perio-System Combi-Pack

Geistlich Bio-Oss® Collagen: 100 mg
Geistlich Bio-Gide® Perio: 16 x 22 mm



Geistlich Bio-Gide®

Bilayer collagen membrane
Available sizes: 13 x 25 mm, 25 x 25 mm, 30 x 40 mm



Geistlich Bio-Oss®

Spongious bone substitute
Small granules 0.25 mm – 1 mm. Available sizes:
0.25 g ≈ 0.5 cm^3, 0.5 g ≈ 1 cm^3, 1 g ≈ 2 cm^3, 2 g ≈ 4 cm^3



Geistlich Bio-Oss®

Spongious bone substitute
Large granules 1 mm – 2 mm
Available sizes: 0.5 g ≈ 1.5 cm^3, 1 g ≈ 3 cm^3, 2 g ≈ 6 cm^3

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* Product availability may vary from country to country

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