Geistlich Fibro-Gide®

The Alternative Soft-Tissue Graft
Geistlich Fibro-Gide® shows comparable results to connective tissue grafts in terms of change in soft-tissue volume over time.\textsuperscript{1,2} This demonstrates that Geistlich Fibro-Gide® is an ideal alternative to connective tissue grafts.

For more information visit: Fibro-Gide.geistlich-na.com
From Concept to Reality

Designing a preferred alternative to soft-tissue grafts has involved years of development and thousands of prototypes – the result is a product that will change the way you treat. Introducing Geistlich Fibro-Gide®.

Geistlich has drawn from its vast experience in researching, analyzing and commercializing collagen-based products to produce biomaterials that are tailor-made for specific dental procedures and therapeutic solutions. This collagen expertise has led Geistlich to its latest innovation, Geistlich Fibro-Gide®, a volume-stable collagen matrix, specifically designed to meet your clinical demands for soft-tissue regeneration.

Screening by cell proliferation
In order to mimic the mechanical stresses of human mastication and in-vivo application, Geistlich developed a bioreactor to test the properties of Geistlich Fibro-Gide®.

After the first round of testing, the best prototypes were cultured with human gingival fibroblasts and placed under mechanical stress. For the second round of selection, the best prototypes in terms of cell proliferation and volume stability, were chosen.¹

Mechanical testing
The remaining prototypes endured rigorous testing with repeated cycles of mechanical force to mimic that of the oral cavity. The best prototypes retained 70–80% of their volume and remained stable even after the application of these mechanical forces.¹

Selecting for soft-tissue integration
The impact on soft-tissue integration, remodeling and vascularization in the remaining prototypes were tested with different degrees of collagen cross-linking. The Geistlich cross-linking process, smart cross-linking, balances mechanical volume stability with cell compatibility and tissue integration.⁴,⁵,⁶

The Alternative Soft-Tissue Graft: Geistlich Fibro-Gide®
Finally, Geistlich Fibro-Gide® was tested in clinical studies and determined to meet your clinical demand for a volume-stable collagen matrix that supports and promotes soft-tissue regeneration around natural teeth and implants.

Histologic slide showing the formation of new connective tissue in the pores of Geistlich Fibro-Gide® after 4 weeks (M = collagen matrix; N = nuclei of invaded cells in blue).¹

Histology by Geistlich Pharma AG, Wolhusen, Switzerland.
What Nature Inspires Geistlich Engineers

Geistlich Fibro-Gide® is a volume-stable collagen matrix, specifically designed for soft-tissue regeneration.

As an alternative to the connective tissue graft, Geistlich Fibro-Gide® is ideally suited for soft-tissue augmentation around natural teeth and implants, as a submerged scaffold where an increase in soft-tissue thickness is clinically desired.

Additionally, Geistlich Fibro-Gide® is indicated for alveolar ridge reconstruction for prosthetic treatment and recession defects for root coverage.

The Alternative Soft-Tissue Graft

**Made of Collagen**
A porcine, porous, resorbable and volume-stable collagen matrix.\(^7\)

**Soft-Tissue Formation**
The porous network of the matrix supports angiogenesis, formation of new connective tissue and stability of the collagen network in submerged healing situations.\(^{15}\)

**Soft-Tissue Integration**
In vivo animal studies have shown ~ 97% remodeling of the collagen matrix after approximately 26 weeks.\(^4\)

**Volume Stability**
The reconstituted collagen undergoes smart cross-linking for volume stability of the matrix.\(^{7,8}\)
## Compared to a Connective Tissue Graft

<table>
<thead>
<tr>
<th>Geistlich Fibro-Gide®</th>
<th>VS</th>
<th>Connective Tissue Graft</th>
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<tbody>
<tr>
<td>No tissue harvesting needed</td>
<td><strong>Harvesting</strong></td>
<td>Complex tissue harvesting procedure</td>
</tr>
<tr>
<td>Unlimited availability</td>
<td><strong>Availability</strong></td>
<td>Limited availability due to different anatomical dimensions of the patient vault</td>
</tr>
<tr>
<td>Consistent &amp; standardized product quality due to the Geistlich quality process</td>
<td><strong>Quality</strong></td>
<td>Inconsistent tissue quality; dependent on the patient’s anatomy</td>
</tr>
<tr>
<td>Pre-defined thickness of 6mm</td>
<td><strong>Thickness</strong></td>
<td>Limited by the anatomy of the patient’s palate</td>
</tr>
<tr>
<td>Ready to use</td>
<td><strong>Preparation</strong></td>
<td>Post-extraction, slippery graft requires additional adaptation</td>
</tr>
<tr>
<td>Submerged healing</td>
<td><strong>Healing</strong></td>
<td>Open or submerged healing</td>
</tr>
<tr>
<td>No risk of necrosis</td>
<td><strong>Complications</strong></td>
<td>Risk of necrosis</td>
</tr>
</tbody>
</table>
| › 15 × 20 × 6 mm  
› 20 × 40 × 6 mm | **Size** | Size of the donor tissue varies with the different anatomical dimensions of the palatal vault |
| The absence of a donor site significantly reduces post-operative pain and minimizes potential post-operative complications¹⁰⁻¹² | **Patient Morbidity** | Discomfort, pain and numbness, especially at the donor site, can last up to several weeks post-surgery¹³⁻¹⁶ |

### Soft-Tissue Augmentation with Geistlich Fibro-Gide®: A Randomized Controlled Clinical Study*

**Linear Measurement**

<table>
<thead>
<tr>
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<th>0.5 mm</th>
<th>1.5 mm</th>
<th>1.8 mm</th>
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</table>

**Volumetric Measurement**

- **Connective Tissue Graft**
- **Baseline**
- **Geistlich Fibro-Gide®**
- **Bone**

* Thoma DS et al., 2016, Zeltner M et al., 2017, Huber S et al., 2018
What do you like about Geistlich Fibro-Gide®?

What I like most about Geistlich Fibro-Gide® is its unlimited availability and its standardized quality. In contrast to subepithelial connective tissue grafts, Geistlich Fibro-Gide® does not give a reason to worry about limitations in terms of quantity and quality. Moreover, avoiding a second surgical site reduces patient morbidity as well as my surgical time.

Do you see any risks in the use of Geistlich Fibro-Gide®?

Every surgical intervention is associated with certain risks. Thus, in the case of Geistlich Fibro-Gide®, incomplete wound healing might occur with exposure of the material to the oral cavity. Based on our clinical observations, such complications do not result in any local infection, and the material does not have to be removed. As such, I would even expect less risk than with the use of a subepithelial connective tissue graft.

When patients need a soft-tissue augmentation procedure, what do you tell them?

I usually offer my patients two options when a soft-tissue grafting procedure is indicated. Option one is the use of a subepithelial connective tissue graft. This procedure is well-documented in the literature with long-term outcomes and considered the gold standard.

As an alternative, the use of Geistlich Fibro-Gide® is suggested, which offers benefits in terms of reduced patient morbidity, surgical time and unlimited availability. My patients are informed that the use of Geistlich Fibro-Gide® is less documented, but in pre-clinical and clinical research performed over a ten year period, the outcomes were non-inferior to the gold standard.12

How do your patients benefit, and how do you benefit from using Geistlich Fibro-Gide®?

Advantages for me are the unlimited availability and standardized quality, as well as the ease of use and faster surgeries. My patients benefit from shorter treatments, less swelling and less morbidity since no second surgery is needed. Larger areas and more sites can be treated at the same time.

Better Quality of Life for Your Patients

Interview with PD Dr. Daniel Thoma
(University of Zurich, Switzerland)
“Avoiding a second surgical site reduces patient morbidity as well as my surgical time.”

PD Dr. Daniel Thoma
Clinical Cases

The following 12 clinical cases from around the world demonstrate the use of Geistlich Fibro-Gide® for gain of soft-tissue volume and recession coverage around implants and natural teeth.
Insufficient Soft-Tissue Thickness in a Single Tooth Gap in the Anterior Maxilla

“Geistlich Fibro-Gide® is one of the major innovations in regenerative dentistry in the last 20 years.”

PD Dr. Daniel Thoma | Zurich, Switzerland

To View the Surgical Video Visit:

Objective: Gain in soft-tissue thickness in the esthetic area with Geistlich Fibro-Gide®.

Conclusion: After 6 months, the final restorations were placed. The natural look of the augmented soft-tissue can be appreciated, and no implant translucency is visible.

1 Baseline frontal view: missing central incisor. Implant visible through mucosa due to thin biotype.
2 Baseline occlusal view: soft-tissue deficit in the buccal and occlusal area.
3 Flap elevation on the buccal side using a full flap crestally and a split flap buccally.
4 Adaption of Geistlich Fibro-Gide® (15 x 20 x 6 mm) to the defect size.
5 Palatal island flap prepared to allow for tension-free wound closure. Geistlich Fibro-Gide® in situ, immobilized with a mattress suture.
6 Tension-free wound closure using single interrupted sutures (Dafilon 5-0, Braun).
7 Suture removal 7 days post-surgery.
8 Abutment connection.
9 6 months follow-up: final crown in place.
Esthetic Soft-Tissue Augmentation of Two Implant Sites in the Same Patient

Objective: Augmentation of the soft-tissue on two implant sites, #7 and #10, using a conventional full thickness flap with vertical releasing incisions on site #7 and an envelope flap on site #10.

1 Thin mucosal tissue over implant #7 creating an unesthetic appearance.

2 Occlusal view of #7 reveals buccal soft-tissue defects.

3 Full-thickness flap elevation with vertical releasing incisions reveals thin bone present over the facial aspect of the implant.

4 Geistlich Fibro-Gide® is split into two 3mm thick matrices to be used in both sites, hydrated with sterile saline and trimmed to the defect dimensions.

5 Geistlich Fibro-Gide® is secured to the periosteum apically and the interproximal papillae with 5-0 chromic gut sutures.

6 Passive closure of the flap achieved with 6-0 vicryl sutures.

7 1 week post-surgery reveals uneventful healing with maintenance of tissue volume.

8 Buccal view at 8 weeks reveals uneventful healing with maintenance of tissue volume.

9 Occlusal view at 8 weeks post-surgery.
"Unlike connective tissue grafts, where you are limited by the patient’s anatomy, Geistlich Fibro-Gide® offers variable thickness, allowing the clinician the opportunity to choose the desired and optimal thickness for the procedure”

**Conclusion:** Geistlich Fibro-Gide® promotes uneventful healing when used as an alternative to connective tissue grafts and can significantly increase the soft-tissue thickness around dental implants.

1. Thin mucosal tissue over implant #10 creating an unesthetic appearance.
2. Occlusal view of #10 reveals buccal soft-tissue defects.
3. Full-thickness envelope flap prepared around implant #10.
4. The hydrated matrix is adjusted to the defect dimensions.
5. The matrix is passively placed under the envelope flap.
6. 6-0 Vicryl sutures used to secure the matrix and achieve passive and complete coverage of the flap.
7. 1 week post-surgery reveals uneventful healing with maintenance of tissue volume.
8. Buccal view at 8 weeks reveals uneventful healing with maintenance of tissue volume.
Thickening Soft-Tissue When Uncovering an Implant in the Anterior Maxilla

“Geistlich Fibro-Gide® can be used when the peri-implant soft-tissue has to be thickened.”
Prof. Leonardo Trombelli | Ferrara, Italy

**Objective:** Augmentation of the soft-tissue on a single implant, tooth #8, with Geistlich Fibro-Gide® using a minimally invasive flap design.

**Conclusion:** Geistlich Fibro-Gide® appears to be a valid alternative to connective tissue grafts (CTG) for significantly increasing the thickness of soft-tissue around dental implants.

1. Baseline buccal view: immediate implant placement was performed 3 months prior to replacing tooth #8.
2. Baseline occlusal view: soft-tissue deficiency on the buccal aspect.
3. Positioning of Geistlich Fibro-Gide® by using a minimal envelope flap. A provisional crown was inserted.
4. Stabilization of Geistlich Fibro-Gide® to the buccal mucosa using internal mattress sutures.
5. Tension-free wound closure to adapt the flap to the crown profile.
6. 2 week follow-up and suture removal.
7. 4 week follow-up shows uneventful wound healing and an increase in soft-tissue volume.
8. Occlusal view 5 months post-surgery: a substantial increase in soft-tissue thickness is evident.
9. Sagittal view of the buccal mucosa at 5 months.
Insufficient Soft-Tissue Thickness Around Single Implant in the Posterior Maxilla

“Geistlich Fibro-Gide® can be used safely as an alternative to harvesting autologous connective tissue grafts.”
Prof. Mariano Sanz and Dr. Ignacio Sanz Martín | Madrid, Spain

Objective: Restore soft-tissue volume deficiency.

Conclusion: Geistlich Fibro-Gide® helped to increase the buccal soft-tissue volume around the implant restoration.

1  Baseline buccal view: soft-tissue concavity at the dental implant site.
2  Baseline occlusal view: volume deficiency on the buccal aspect.
3  Adapting and trimming of Geistlich Fibro-Gide® to the defect size. Additional bevel cut performed for the area to be positioned close to the incision line.
4  Position and fixation of Geistlich Fibro-Gide® to the buccal flap with horizontal mattress suture.
5  Primary closure obtained by horizontal mattress and single interrupted sutures.
6  4 months follow-up: showing the healed soft-tissue after augmentation surgery.
7  4 months follow-up: provisional restoration. Notice volume recovery.
8  Occlusal view before final restoration.
9  9 months follow-up: final restoration after soft-tissue augmentation surgery.
Insufficient Soft-Tissue Thickness Around Single Implant in the Anterior Mandible

“Geistlich Fibro-Gide® is a good option for patients with soft-tissue deficiencies in the esthetic zone where an easy and pain-free treatment solution is necessary to achieve soft-tissue thickening on the facial aspect of the alveolar ridge.”

Dr. Rafael Naranjo | Málaga, Spain

**Objective:** Increasing the thickness of soft-tissue in single implant sites with Geistlich Fibro-Gide®.

**Conclusion:** Geistlich Fibro-Gide® can be used to safely enhance protocols for implant placement and soft-tissue management.

1 Healed site 2 months after implant placement and guided bone regeneration to replace missing lower central incisor, tooth #25.

2 Occlusal view: 2 months after implant placement and guided bone regeneration to replace missing lower central incisor presenting with a narrow ridge and buccal soft-tissue deficiency.

3 Occlusal view, healed site: measuring the defect before second stage surgery for soft-tissue augmentation.

4 Insertion of Geistlich Fibro-Gide®: full thickness envelope flap without vertical releasing incisions. Generously released flap beyond the mucogingival line in the apical direction to ensure a tension-free wound closure.

5 Implant is covered with a transmucosal healing abutment. Geistlich Fibro-Gide® (trimmed to 9 × 6 × 4 mm) in situ on the buccal aspect.

6 Transmucosal healing of the implant and tension-free wound closure with two non-resorbable single sutures.

7 2 weeks post-surgery. Measuring the gain in soft-tissue thickness on the lateral aspect.

8 6 weeks post-surgery with temporary, screw-retained crown in situ.

9 6 weeks post-surgery with temporary, screw-retained crown in situ.
Insufficient Soft-Tissue Thickness in Extended Gap in the Posterior Mandible

“Geistlich Fibro-Gide® is one of the best innovations for gaining soft-tissue thickness.”
Dr. Daniele Cardaropoli | Torino, Italy

**Objective:** Increasing the thickness of soft-tissue around dental implants with Geistlich Fibro-Gide® in the posterior area of the mandible to support protection and to restore function.

**Conclusion:** Geistlich Fibro-Gide® can be used as an alternative to connective tissue grafts to significantly increase the soft-tissue thickness around dental implants.

1 Baseline before implant placement showing the soft-tissue deficiency.
2 Implant surgery after implant placement showing the need for guided bone regeneration.
3 Guided bone regeneration with Geistlich Bio-Oss® and Geistlich Bio-Gide®.

4 Geistlich Fibro-Gide® was trimmed to the defect size and placed at full thickness (6 mm) on top of Geistlich Bio-Gide®.
5 Wound closure (PTFE 5/0 sutures) by combining horizontal mattress sutures and single sutures in a double layer.
6 2 weeks follow-up post-surgery.

7 3 months follow-up post-surgery.
8 Re-entry was performed 3 months post-surgery. Soft-tissue emergence profile at the time of final ceramic crown delivery 4 months after implant placement.
9 4 months after implant placement: final ceramic crown.
Ridge Preservation and Simultaneous Soft-Tissue Augmentation in the Posterior Mandible

“Geistlich Fibro-Gide® is a ready-to-use product that can easily be used on top of a GBR procedure for soft-tissue thickening.”

PD Dr. Daniel Thoma | Zurich, Switzerland

Objective: Augmentation of soft-tissue around dental implants with Geistlich Fibro-Gide® while performing a ridge preservation procedure using Geistlich Bio-Oss® and Geistlich Bio-Gide®.

Conclusion: Geistlich Fibro-Gide® shows predictable results in soft-tissue augmentation under pontics compared to connective tissue grafts.

1 Baseline occlusal view: situation before removal of tooth #20.

2 Tooth removal and extraction socket management.

3 Ridge preservation with Geistlich Bio-Oss® and Geistlich Bio-Gide®.

4 Geistlich Fibro-Gide® was trimmed to the defect size, to augment the buccal and crestal soft-tissue area of the ridge.

5 Geistlich Fibro-Gide® in place, augmenting buccal and crestal area of tooth #20 and buccal in the edentulous area tooth #21 to tooth #19.

6 Immediate provisionalization of the implants.

7 3 weeks post-surgery: occlusal view of augmented area with created emergence profile.

8 3 weeks post-surgery: buccal view of augmented area with created emergence profile.

9 Final restoration 6 weeks post-surgery.

To View the Surgical Video
Guided Bone Regeneration with Simultaneous Soft-Tissue Augmentation in the Anterior Maxilla

“Geistlich Fibro-Gide® shows an uneventful tissue integration with simultaneous guided bone regeneration procedures in a preliminary human study after two months of healing.”

PD Dr. med. Vivianne Chappuis | Bern, Switzerland

**Objective:** Guided bone regeneration procedure with autologous bone chips, Geistlich Bio-Oss® and Geistlich Bio-Gide®, simultaneously with soft-tissue augmentation using Geistlich Fibro-Gide®.

**Conclusion:** Guided bone regeneration can be performed simultaneously with soft-tissue augmentation using Geistlich Fibro-Gide®.

1 Baseline frontal view: missing central incisor.
2 Baseline occlusal view: The facial contour is flattened by physiological dimensional ridge alterations post-extraction.
3 Full-thickness flap using one releasing incision in the distal aspect of the canine. Simultaneous contour augmentation using GBR was performed with autogenous bone chips to cover the exposed implant combined with a layer of Geistlich Bio-Oss® and Geistlich Bio-Gide®.
4 Application of Geistlich Fibro-Gide® on top of the augmented area. A tension-free primary wound closure was obtained by a periosteal releasing incision.
5 Suture removal 14 days post-surgery. Uneventful wound healing and an increase in soft-tissue volume.
6 Frontal view 4 weeks post-surgery.
7 2 months follow-up combined with abutment connection.
8 Occlusal view of final restoration 2 years post-surgery.
9 Final restoration 2 years post-surgery shows pleasing esthetics.
Guided Bone Regeneration with Simultaneous Soft-Tissue Thickness Augmentation in the Anterior Maxilla

“Geistlich Fibro-Gide® can easily be used for thickening the soft-tissue while performing early implant placement.”

Dr. Beat Wallkamm | Langenthal, Switzerland

**Objective:** Increasing the thickness of soft-tissue around dental implants with Geistlich Fibro-Gide® while performing early implant placement.

**Conclusion:** Geistlich Fibro-Gide® can be used as an alternative to connective tissue grafts to significantly increase the thickness of the soft-tissue around dental implants while simultaneously placing the implants.

1. Baseline frontal view.
2. Baseline occlusal view: soft-tissue deficiency in the buccal and occlusal area.
3. After tooth removal, the extraction socket was left open for spontaneous healing.
4. Implant placement after 9 weeks.
6. Geistlich Fibro-Gide® was trimmed to fit the defect size.
7. Geistlich Fibro-Gide® is positioned directly over Geistlich Bio-Gide® in the buccal area.

"Geistlich Fibro-Gide® can easily be used for thickening the soft-tissue while performing early implant placement."
Treatment of Single Gingival Recession with Coronally Advanced Flap Technique

“Geistlich Fibro-Gide® in combination with a coronally advanced flap is a safe, minimally-invasive technique and shows promising results by increasing the soft-tissue thickness and esthetic appearance.”

Prof. Giovanni Zucchelli | Bologna, Italy

**Objective:** Complete root coverage of a single tooth recession defect.

**Conclusion:** The use of Geistlich Fibro-Gide® in combination with a coronally advanced flap enhanced root coverage and soft-tissue thickness.

1. Baseline: recession defect Miller Class I on tooth #11.
2. Trapezoidal flap design: split-full-split flap elevation flap.
3. Positioning of Geistlich Fibro-Gide® and fixation with single sutures (PGA 7.0 Sutures) at the base of the de-epithelialized anatomic papillae and in the apical mesial and distal angles.
4. Tension-free wound closure with two sling sutures (PGA 6.0 Sutures).
5. Suture removal 14 days post-surgery.
7. 3 months follow-up (occlusal).
8. 6 months follow up.
9. Follow-up after 1 year: complete root coverage with Geistlich Fibro-Gide® is achieved.
Objective: Complete root coverage of multiple recession defects and dentin hypersensitivity reduction.

Conclusion: Complete root coverage was achieved with Geistlich Fibro-Gide® for multiple recession defects and the dentin hypersensitivity problem was resolved.

1 Baseline: multiple recession defect Miller Class I with keratinized tissue less than 3 mm on teeth #7 to #5.

2 Coronally advanced flap preparation and elevation for sufficient release.

3 Geistlich Fibro-Gide® is cut in half to 3 mm thickness.

4 3 mm Geistlich Fibro-Gide® is placed in the defect and absorbs blood immediately.

5 Positioning of Geistlich Fibro-Gide® and fixation with single sutures (7-0 PGA sutures).

6 Tension-free wound closure with sling sutures (6-0 PGA sutures).

7 Suture removal 14 days post-surgery.

8 3 months follow-up.

9 Follow-up after 5 months: complete root coverage with Geistlich Fibro-Gide® is achieved.
Vestibular Incision Subperiostal Tunnel Access (Modified VISTA Technique)

“Using Geistlich Fibro-Gide® in combination with a minimally-invasive technique for root coverage results in an excellent clinical outcome and high patient satisfaction.”

Dr. Ulrike Schulze-Späte | Jena, Germany

**Objective:** Root coverage of multiple recession defects for a thin gingival biotype in a Miller Class I situation.

**Conclusion:** A minimally-invasive tunnel approach in combination with the volume-stable Geistlich Fibro-Gide® resulted in complete root coverage.

1. Baseline: recession defects on teeth #19 to #22 in the lower left quadrant. Exposed root surfaces of these teeth were thoroughly scaled and root planed before surgery.

2. A full thickness muco-gingival tunnel was prepared through a minimally-invasive vestibular access incision apical to the teeth with gingival recessions.

3. Geistlich Fibro-Gide® was cut into small pieces in a dry state using a scalpel.

4. Insertion of Geistlich Fibro-Gide® into the subperiosteal tunnel.

5. Geistlich Fibro-Gide® in situ: the gingival margin had been coronally advanced and stabilized after pieces of Geistlich Fibro-Gide® were placed.

6. 1 week post-surgery: anchoring sutures were left in place for 1-2 weeks.

7. 2 weeks post-surgery: anchoring sutures in place.

8. 2 weeks post-surgery: removal of anchoring sutures.

9. 7 months post-surgery: complete recession coverage.
Handling at a Glance

**Flap Design** - Use your preferred flap design. A generous release of the flap is the key to successful healing by complete coverage of the matrix (submerged healing).

**Precise Trimming** - Using a scalpel will help in achieving smooth edges and bevels for improved wound adaptation and precise fit of the matrix.

**Thickness** - The thickness of Geistlich Fibro-Gide® close to the wound margins should be reduced to avoid dehiscence during the healing phase.

**Adhesion** - When hydrated the matrix will adhere rapidly. Suturing the device to the underlying soft-tissue is not always necessary.

**Wound Closure** - Tension-free closure of the flap is key for complication-free healing and may avoid any dehiscences.

**Healing** - Clinical experience shows a low incidence of wound healing complications.\(^2,5\)

**Fit to Size** - The matrix can be cut and trimmed in a dry or wet state with scissors and/or a scalpel and can be adjusted in size or thickness to achieve the desired augmentation.

**Volume Changes** - Swelling of the device upon wetting must be taken into account when determining final dimensions, as the matrix will gain approximately 25% in volume.

**Application** - Geistlich Fibro-Gide® can be applied in either a dry or wet state upon individual preference. Pre-wetting can be done with the patient’s own blood, you may also dampen with sterile saline solution, but do not fully hydrate the matrix.

**In Situ Adaptation** - Prior to wound closure, ensure a tension-free flap and complete coverage of the matrix.

**Handling** - As with any new product, initially you will experience some differences in the handling properties and performance of the matrix.

Contents are based on preclinical and clinical evidence gained during the Geistlich Fibro-Gide® pre-launch phase.
How does a company earn your trust?

Exactly.

We know that patient care is exactly what drives your choice of professional partners and products. That’s why Geistlich Biomaterials strives to bring you regenerative treatment options you can use with absolute confidence.

Products
Geistlich biomaterials are designed to meet your highest measure of reliability, utility and efficacy – making successful regenerative outcomes a foundation of your practice.

Process
To ensure the quality and consistency you expect, we safeguard our time-tested manufacturing processes by owning and controlling each essential step.

People
Regeneration is our life’s work – forging partnerships and a bond of trust with dedicated doctors, scientists and professionals around the world.

Patients
We are inspired by the trust you have earned from your patients. Comfort and confidence grow naturally when time, attention and common goals are shared.

“I want you to know that in every Geistlich product, you’ll find the passion and commitment of our people.”

– Andreas Geistlich
Geistlich Fibro-Gide®
The first volume-stable collagen matrix designed for gaining soft-tissue thickness.$^{4,6}$

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

Indications:
Geistlich Fibro-Gide® is indicated for the following uses: Soft-tissue augmentation; localized gingival augmentation to increase keratinized tissue around teeth and implants; Alveolar ridge reconstruction for prosthetic treatment; and recession defects for root coverage.

Warnings:
As Geistlich Fibro-Gide® is a collagen product, allergic reactions may not be totally excluded. Possible complications which may occur with any surgery include swelling at the surgical site, flap sloughing, bleeding, dehiscence, hematoma, increased sensitivity and pain, redness and local inflammation.

For more information on contraindications, precautions, and directions for use, please refer to the Geistlich Biomaterials Instructions for Use at: www.geistlich-na.com/ifu

REFERENCES
7 Instructions for Use. Geistlich Fibro-Gide®. Geistlich Pharma AG, Wolhusen, Switzerland.
8 Data on file. Geistlich Pharma AG, Wolhusen, Switzerland (pre-clinical).