

# PATIENT INFORMATION

## INFLAMED GUMS – NOW WHAT?

Gain of keratinized tissue



# DENTAL TREATMENTS ARE A MATTER OF TRUST

## OUR EXPERIENCE AND EXPERTISE IS SOMETHING YOU CAN RELY ON

Over 10 million patients worldwide have been treated with Geistlich biomaterials. Let us share some facts with you about these products:

- › Geistlich products are scientifically proven top quality Swiss biomaterials.
- › Meticulous selection of raw materials, together with a strictly controlled manufacturing process, allows Geistlich biomaterials to conform to high safety requirements and ensures high tolerability.

## GEISTLICH BIOMATERIALS

- › Your worldwide no. 1 reference<sup>1,2</sup>
- › Outstanding quality<sup>3,4</sup>
- › Unique biofunctionality<sup>5-8</sup>

- › These natural biomaterials were evaluated in more than 1,000 studies from countries all over the world.
- › The safety has been assessed by international and national authorities.

## WHY IS A TREATMENT BENEFICIAL?

### SMILE AGAIN

Aesthetically pleasing outcomes & maintenance of healthy teeth.

### LESS PAIN & FEWER COMPLICATIONS

No harvesting of own tissue from the palate.

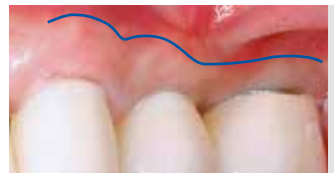
### LESS SURGICAL CHAIR TIME

With Geistlich Mucograft® the surgical chair time is clearly reduced.<sup>9</sup>



#### Initial situation before treatment

Due to inflammation and bleeding the oral hygiene is impaired.



#### 6 month after surgery

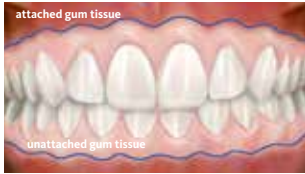
Restored healthy attached gum tissue with Geistlich Mucograft®.

Dr. Panaite & Dr. Charles (Pasadena, USA)

# WHAT HAPPENS WHEN GUM TISSUE IS NOT HEALTHY?

If you have insufficient healthy attached gum tissue, several oral health problems like inflammation, pain, bleeding and loss of bone and gums can occur.

## Healthy situation



Healthy gums allow optimal oral hygiene for maintenance of bone and gums.

## Problematic situation



Shifted boundaries between attached and unattached gum tissue can lead to problems.

Exposed tooth necks are one of the consequences of unhealthy gum tissue.

# HOW CAN GUM TISSUE BE REGENERATED?



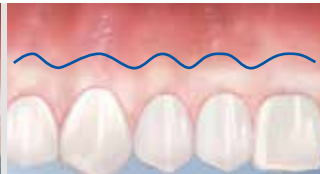
Initial situation showing an area of attached gum tissue that is inflamed.



Preparation of the surgical site: unhealthy gum tissue is removed.



Following the preparation, Geistlich Mucograft® is used to regenerate attached gum tissue.



Restored, healthy attached gum tissue 6 months after surgery (results may vary).

## SOLUTION

An increase in gum tissue can be achieved by a suitable surgical approach. Your dentist will advise you on treatment individually adapted for you.

It is important to address existing infections before surgical treatment. Your dentist will advise you on appropriate measures individually adapted for you.

# GEISTLICH BIOMATERIALS

Human bone possesses the ability to regenerate, in other words, to rebuild missing bone. In most cases it still needs assistance through a scaffold which serves as a template. The natural Geistlich products support the body's own bone regeneration processes effectively.

## GEISTLICH MUCOGRAFT® FOR GUM REGENERATION

- › A scaffold upon which your body can regenerate your own gums.
- › Made from collagen extracted from healthy pigs.
- › Winner of the Swiss IHZ-Innovation Award 2014: first product developed specifically for gum regeneration.



# BACK TO A HEALTHY SMILE

Post-operative care is an area where you can contribute to the success of your procedure.

## DO'S

- › Maintain your oral hygiene and use antibacterial mouth wash as prescribed by your dentist.
  - › Treat swelling with moist-cold pads.
  - › Consult your dentist regarding pain.
  - › Make sure that you visit your dentist for a follow-up appointment.
- 
- 

## DONT'S

- › Do not neglect your oral hygiene.
  - › Do not brush or floss at the site of surgery for 1 week after surgery. A toothbrush with especially soft bristles can usually be used for cleaning the teeth in the vicinity of the wound.
  - › Do not drink coffee or alcohol and do not smoke cigarettes for 2-3 days after surgery.
- 
- 



Biomaterials from Geistlich Pharma AG are the most frequently used materials in regenerative dental medicine throughout the world:<sup>10</sup>

More than 10 million

**GEISTLICH BIO-OSS®**



More than 4.5 million

**GEISTLICH BIO-GIDE®**



More than 80,000

**GEISTLICH MUCOGRAFT®**



More than 24,000

**GEISTLICH MUCOGRAFT®  
SEAL**



#### Manufacturer

© Geistlich Pharma AG  
Business Unit Biomaterials  
Bahnhofstrasse 40  
CH-6110 Wolhusen  
Phone +41 41 492 56 30  
Fax +41 41 492 56 39  
[www.geistlich-biomaterials.com](http://www.geistlich-biomaterials.com)

For more information about our  
distribution partners:



#### References

- 1 iData Research Inc., US Dental Bone Graft Substitutes and other Biomaterials Market, 2013
- 2 iData Research Inc., European Dental Bone Graft Substitutes and other Biomaterials Market, 2015
- 3 ISO 13485 certificate, research and development
- 4 ISO 9001 certificate, multi site quality management
- 5 Jung R. et al., Clin Oral Implants Res. 2013 Oct;24(10):1065-73
- 6 Buser D et al., J Periodontol. 2013 Nov;84(11):1517-27
- 7 Jensen S.S. et al., J Periodontol. 2014 Nov;85(11):1549-56
- 8 Mordenfeld A. et al., Clin Oral Implants Res. 2010 Sep;21(9): 961-70
- 9 Cardaropoli D, et al. J Periodontol. 2012 Mar;83(3):321-8
- 10 Based on the number of units currently sold. Data on file (Wolhusen, Switzerland)