

LEADING REGENERATION

Geistlich

# Make an impact with new REGENFAST®

For faster regenerative treatment solutions

Supporting  
more  
efficient  
repair!<sup>1</sup>

Since 1952  
**MASTELLI**  
Bio-Pharmaceutical Company Italy



Geistlich  
Select

# Facilitate tissue repair

**REGENFAST® promotes the microenvironment and enhances cell vitality to support more efficient repair!**



## REGENFAST®

- > Sterile viscoelastic gel based on Polynucleotides (PN) and Hyaluronic Acid (HA)
- > Of natural origin
- > Completely resorbable



### Hyaluronic Acid

#### Tissue Hydration:

- > Fibroblast survival
- > In combination with PN, can potentially promote wound healing<sup>2</sup>



### Polynucleotides

#### Trophic Stimulus:

- > Fibroblast stimulus
- > Matrix production
- > Collagen increase



### Mannitol

#### Protection:

- > Reduces HA degradation by 34%<sup>4</sup>
- > Antioxidant

PN are linear biopolymers, which are composed of several nucleotide monomers with covalent bonds in a chain. Each strand of a polynucleotide consists of an alternate sugar and a phosphate group.<sup>3</sup>

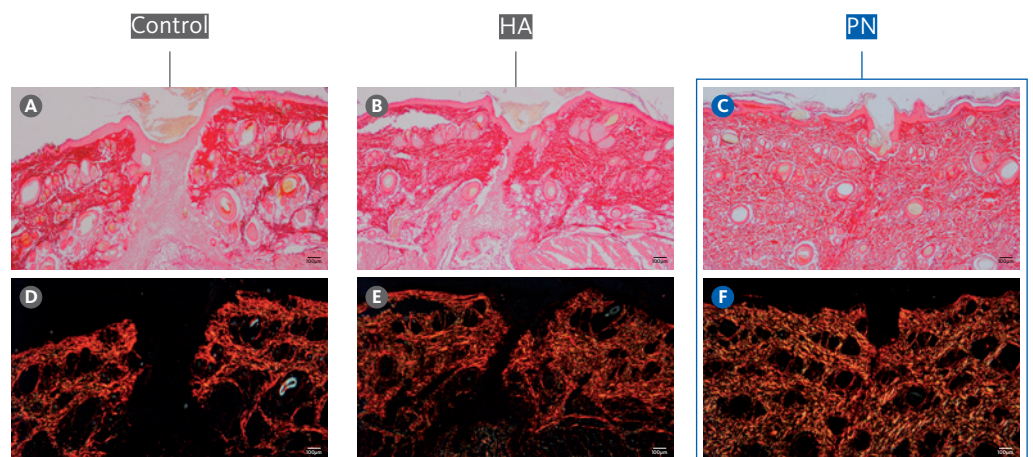
**PN appeared to be effective at stimulating the growth of primary gingival fibroblasts and, in combination with HA, can potentially promote wound healing.<sup>2</sup>**

"Microphotography of healing wounds in the control (A,D), HA (B,E) and PN (C,F) after Sirius Red staining for the collagen at transmitted (A,B,C) or polarized light (D,E,F) 2 weeks after surgery.<sup>5</sup>

(A,D): The defect is still devoid of collagen fibers.<sup>5</sup>

(B,E): The collagen fibers only partially occupy the healing tissue area.<sup>5</sup>

(C,F): The wounds are almost completely healed, and collagen fibers appear mature and well organized in comparison to control and HA Magnification = 4x."<sup>5</sup>



control = culture medium



# Regeneration meets speed: treatment options tailored by need

**Periodontal defects**

- > Infrabony defects
- > Furcation
- > In combination with **Geistlich Bio-Oss®**

**Soft tissue augmentation**

- > In combination with **Geistlich Fibro-Gide®**

**Gain of keratinized tissue**

- > In combination with **Geistlich Mucograft®**

**Single or multiple recessions**

- > In combination with **Geistlich Fibro-Gide®/ Geistlich Mucograft®**

**ReOss**  
Customized Solutions

**Guided bone regeneration (GBR)/ Major bone augmentation Peri-implantitis**

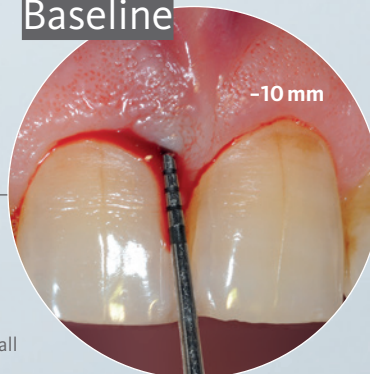
- > Peri-implant defects
- > Horizontal defects
- > Vertical defects
- > In combination with **Yxoss Customized Bone Regeneration (CBR)®**

## Treatment of infrabony defects at 1 year follow-up

Prof. Francesco Cairo  
Florence, Italy

Periodontal regeneration combining REGENFAST® with Geistlich Bio-Oss® small granules appears to have promising effects on non-contained deep infrabony defects.

Baseline



1 year



Baseline



6 months



## Treatment of recession coverage

Prof. Daniele Cardaropoli  
Turin, Italy

Geistlich Fibro-Gide® soaked with REGENFAST® allows a complete radicular coverage and an optimal increase of soft tissue thickness.



Scan and learn more



More about our distribution partners:  
[www.geistlich-dental.com](http://www.geistlich-dental.com)

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**NEW Geistlich Select Partner Product**



**REGENFAST®**

Quantities: 0.3 ml, 0.6 ml, 0.8 ml

## The best of two families in your hands

Geistlich takes pride in the quality and safety of our products. Strict manufacturing processes and rigorous testing ensure that all Geistlich products exceed established regulatory requirements. We are proud to offer REGENFAST®, a product from the third-generation, family – owned company Mastelli, founded in 1952, which manufac-

tures unique biologics containing polynucleotides and hyaluronic acid. They are indicated to protect the tissues of the oral cavity and to promote a faster, more physiological repair. Today, Mastelli is looking back on more than 60 years of research on the extraction of DNA fractions.



**Geistlich Bio-Oss®**



**Geistlich Bio-Gide®**  
**Geistlich Bio-Gide® Compressed**  
**Geistlich Bio-Gide® Shape**



**Geistlich Fibro-Gide®**



**Geistlich Mucograft®**  
**Geistlich Mucograft® Seal**

\* Product availability may vary between countries

- 1 Instruction for use REGENFAST®
- 2 Colangelo M et al., Appl. Sci. 2021, 11(10), 4405
- 3 Fundamentals of Bionanomaterials 1<sup>st</sup> Edition, January 26, 2022, Chapter 7
- 4 Mendoza G et al., Carbohydr Res. 2007;342(1):96-102
- 5 Colangelo M et al., Journal of biological regulators and homeostatic agents, Published 22 January 2021