PureRegen® gel Sinus for adhesion prevention and facilitation of mucociliary regeneration

Order information

Product name	REF Code	Description
PureRegen® gel Sinus	40-011-001	Sterile gel (2cc) in glass syringe, delivery cannula
PureRegen® gel Sinus	40-011-003	Sterile gel (5cc) in glass syringe, delivery cannula

Developed and manufactured by:

BIOREGEN

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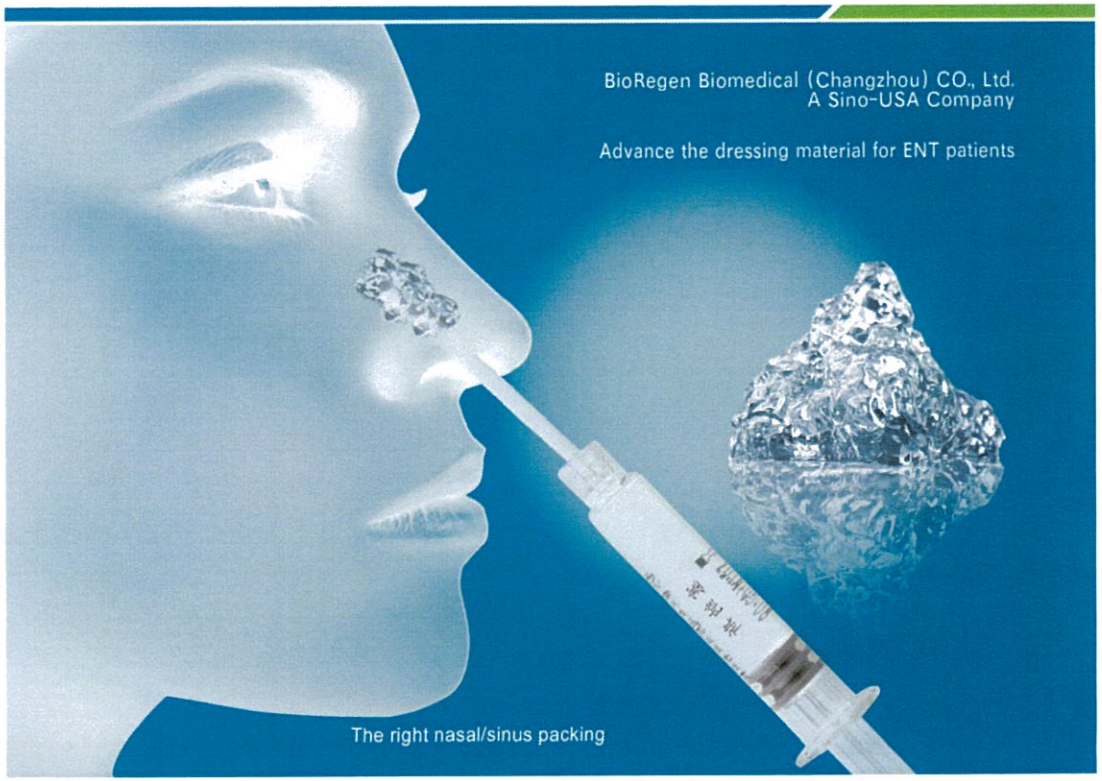
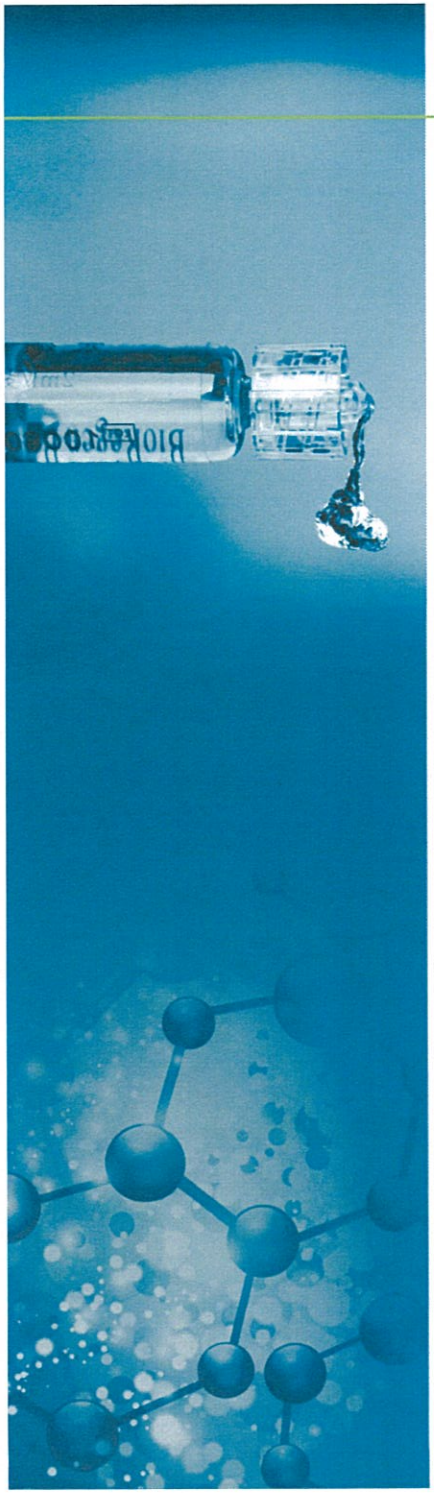
BIOREGEN

PureRegen® Gel SINUS

Self-crosslinked Hyaluronic Acid Gel Dressing
Viscous and Controlled Degradation: Balanced to match the tissue regeneration critical period

- Facilitates re-mucosalization acting as an adjunct
- Eliminates post painful removal
- Avoids secondary damage to the regenerated mucous
- Conforms to nasal cavity without dead space
- Prevents adhesion and scarring
- Minimize bleeding and edema





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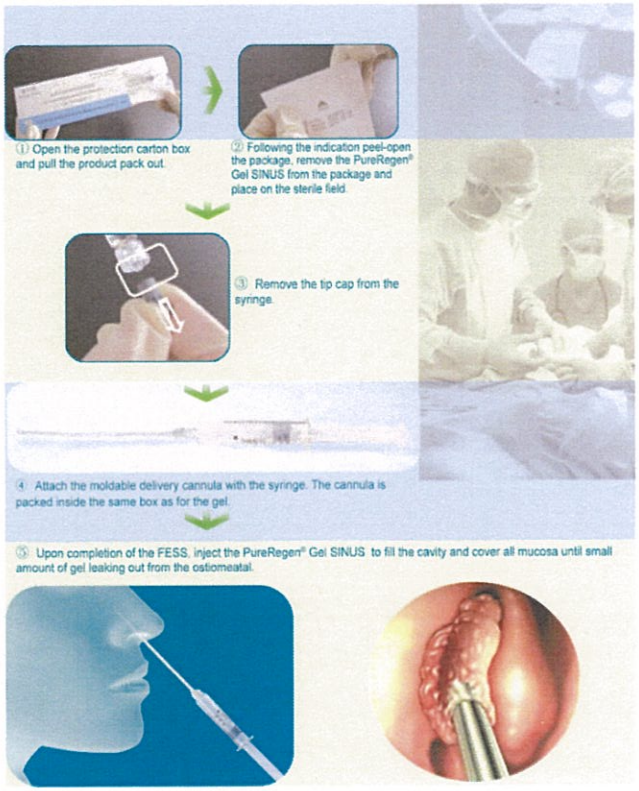
PureRegen® Gel SINUS: unique features

- Proprietary self-crosslinking technique: no toxic residual and xenogenic proteins, excellent biocompatibility
- Gentle material modification method: preserved biological function of natural hyaluronan.
- Adequate viscosity and hydrophilic property: creation of moist environment facilitating re-mucosalization
- Controlled degradation profile: physical barrier during the mucous regeneration critical period to prevent adhesion and scar formation.
- Terminal sterilization of the gel: maximized safety after application
- Dissolvable hydrogel: reduced discomfort to the patients and no need to remove

Instruction for Use:



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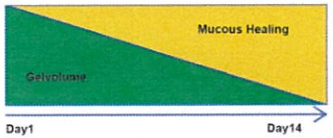
Proven efficacy of PureRegen® Gel SINUS to prevent adhesion and facilitate mucociliary regeneration:

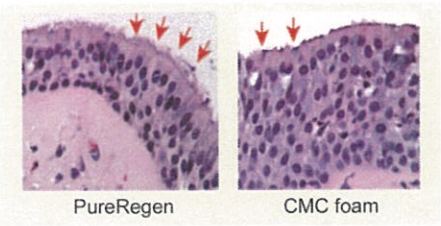
Controlled degradation profile:

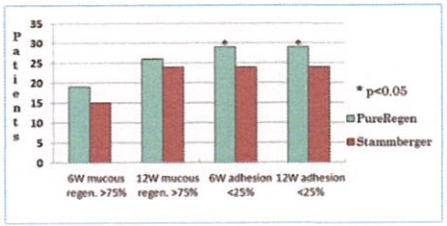
PureRegen® Gel SINUS degradation profile matches the critical repair period, esp. the inflammatory processes after surgery, thereby providing effective barrier between the mucosal surfaces and prevent adhesion. The complete dissolution of PureRegen® Gel SINUS eliminates the need for painful packing removal and secondary damage to the fresh mucous.

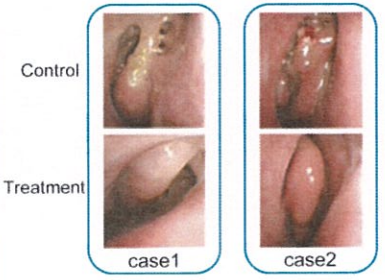


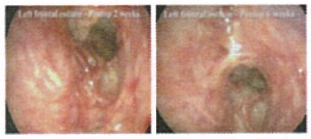
PureRegen® Gel SINUS completely dissolves up to14 days, which matches the critical inflammatory reaction time during the mucous healing (1,2).

Prospective, randomized, controlled multiple center clinical studies (Level I) in China and USA demonstrated that PureRegen® Gel SINUS resulted in fewer adhesion, better re-mucosalization, and reduced edema and crust than the control group (3,4,5).









keep the ostia open

References:

1、Watelet JB, et al: Wound healing of the nasal and paranasal mucosa: A review. Am. J. Rhinol. 16:77-84, 2002.

2、Pajic-Penavic I.: Endoscopic monitoring of postoperative sinonasal mucosa wounds healing. Advances in Endoscopic Surgery, Prof. Cornel Lancu (Ed.), ISBN: 978-953-307-717-8, InTech. Chapter 21: page 419-436, 2011.

3、Shi R. et al: The clinical outcomes of new hyaluronan nasal dressing: A prospective, randomized, controlled study. Am. J. Rhinol. Allergy. 27:71-76, 2013.

4、Matheny KM, et al.: Self-crosslinked hyaluronic acid hydrogel (PureRegen® Gel Sinus) in ethmoidectomy: A randomized, controlled trial. Am J Rhinol Allergy 28, 508-513, 2014

5、Preventing adhesion and keeping the ostia open after functional endoscopic frontal sinus surgery by a novel crosslinked hyaluronan gel: Internal data. Manuscript 2015.

PureRegen® Gel Sinus

Novel crosslinked hyaluronan hydrogel

Advanced anti-adhesion barrier with the potential to regenerate mucous tissue

▲ Matheny KE et al. Self-cross-linked hyaluronic acid hydrogel in ethmoidectomy: A randomized, controlled trial. Am J. Rhino. Allergy, 29: 508, 2014.

▲ Shi R et al. The clinical outcomes of new crosslinked hyaluronan nasal dressing: Prospective, randomized, controlled trial. Am J. Rhino. Allergy, 27: 71, 2013.

- Stop minimal bleeding
- Prevent post-OP adhesion
- Promote functional tissue regeneration
- Cost effective
- No mixture needed, user-friendly
- Clinically proven efficacy
- Degradable and restorable without the need to remove
- Moldable delivery cannula to assist gel installation