

TOPICAL COMPOSITION FOR THE TREATMENT OF MUCOSAL LESIONS

TECHNOLOGY APPROACH

New developed hydrogel, biocompatible, biodegradable and bioactive, with an appropriate viscosity and adhesion capacity, easy to apply with the endoscope, to treat mucosal lesions in the gastrointestinal tract.

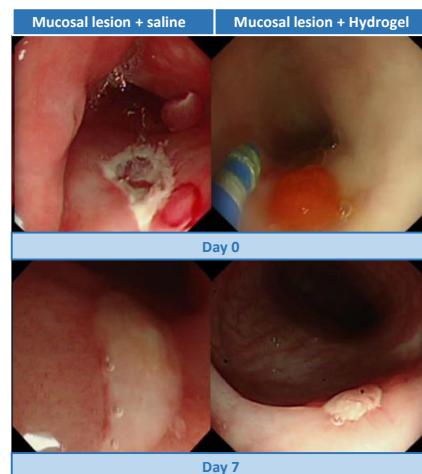
BACKGROUND

Colonoscopic procedures have become and standard practice worldwide since colorectal cancer and inflammatory bowel disease are becoming prevalent disorders. These techniques have true advantages over surgery but can induce adverse events as bleeding, perforation and coagulation syndrome. Several approaches for avoiding the post-operative complications have been described.

OUR RESULTS UP TO DAY

The proposed product is a hydrogel with bioactive, biodegradable, and bioadhesive properties that can be administered through the endoscope working channel, directly on the mucosal lesions.

This composition can easily and rapidly be applied without requiring any special or complex devices. Due to its viscosity and adhesion properties at body temperature, has the ability to remain adhered to the affected area for a long period of time, facilitating the physiological healing of the lesion promoting the mucosal re-epithelization instead. This hydrogel has been tested in preclinical studies of rat and porcine models of colon microperforation, showing strong healing properties and avoiding mortality and reducing the risk of peritonitis development. Mucosal healing rate (percentage of mucosal restoration) and physiological healing (absence of submucosal fibrosis) were significantly higher in animals treated with our hydrogel.



Complete results upon CDA signature.

TOPICAL COMPOSITION FOR THE TREATMENT OF MUCOSAL LESIONS

ADVANTAGES

- This technique is easy to apply and cost/effective
- The use of this composition would minimize the morbidity and mortality associated with therapeutic endoscopy
- This composition promotes mucosal reepitelization instead of cicatrization

INTELLECTUAL PROPERTY STATUS

PCT Patent Application

LOOKING FOR

- Licensing Out
- Co-development

PRODUCT PROFILE

Category	Target Product Profile
Clinical Indication	To treat/prevent mucosal lesions or skin ulcers
	Thermal injury associated/caused by therapeutic endoscopy (Coagulation syndrome)
	Adjuvant therapy to mechanical treatments in gastrointestinal perforations.
	Sealant treatment in surgical anastomoses and leaks or fistulas in gastrointestinal tract.
Safety	Composition is biocompatible and biodegradable.
Physical Characteristics	Composition shows suitable viscosity and adhesion properties. At body temperature, it has the consistency of a gel, and has the ability to remain adhered to the affected area.

INVENTORS

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