



# InnoSEAL

## Hemostatic Pad



# InnoSEAL Hemostatic Pad

Innovative hemostatic pad that controls bleeding through electrostatic interaction and interfacial coating.

InnoSEAL is a hemostatic pad composed of chemically modified biopolymers and it works independently from classical coagulation pathway.

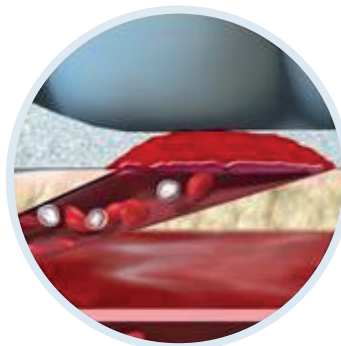
## Typical Procedures

- Angiography including coronary angiography and neuroangiography
- Percutaneous coronary intervention
- Angioplasty
- Hepatic chemoembolization
- Surface bleeding during the implant and removal of various devices
- Skin biopsies and any other surface hemorrhage

## Mechanism

- InnoSEAL hemostatic pad accelerates hemostasis by<sup>1,2</sup>
- Formation of stable hemostatic barrier
- Hemagglutination by electrostatic interaction between hemostatic material and blood components

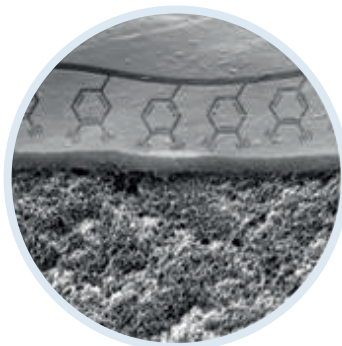
Chitosan-Catechol in InnoSEAL instantly forms an adhesive barrier upon blood contact



Immediate formation of InnoSEAL induced blood plugs via electrostatic interactions



The catechol groups in InnoSEAL reveal stable tissue adhesion



## Benefits provided by InnoSEAL



Patient priorities: Increase patient satisfaction by decreasing compression time. Expedite discharge times to allow patients to return home sooner.



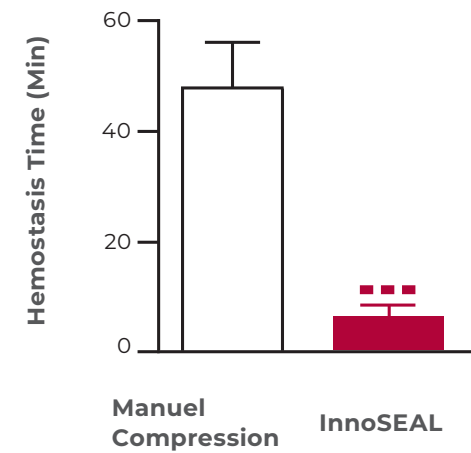
Staff preferences: Reducing hemostasis time will decrease the need for continuous monitoring and nursing care. Furthermore, there is no need for additional training, as the usage protocol remains consistent with the current protocol.



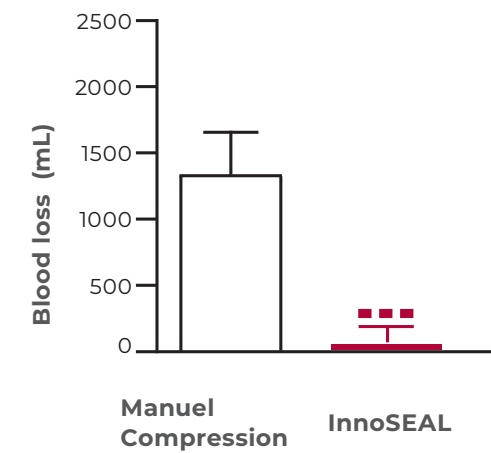
Economic justification and departmental efficiency: This initiative can result in substantial time savings per patient. Shortening compression time not only benefits patients but also allows the department to accommodate more procedures, schedule additional patients, and potentially convert overnight patients to same day discharge.

## Femoral Artery Injury swine model study

### Femoral Hemostasis Time



### Post Bleeding





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**Ordering Information**

Item nr.	Description	Qty/box
IS-H-01-10	InnoSEAL Hemostatic Pad 5 x 3 cm / 2.0 x 1.2 inch	10
IS-H-01-20	InnoSEAL Hemostatic Pad 2 x 2 cm / 0.8 x 0.8 inch	10

MM 01-6000-02 USA Rev. 01.

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Reference:

<sup>1</sup> Sci. Adv. 7, eabc9992 (2021)

<sup>2</sup> Biomater. Sci., 2013(1), 783-790

<sup>3</sup> Data on file at InnoTherapy