

A different approach to hemostasis.

For nonvariceal upper and lower GI bleeds



Initial bleed



Hemospray application



Follow-up

Hemospray[®]
ENDOSCOPIC HEMOSTAT

For more information on Hemospray,
visit hemospray.cookmedical.com.



Images courtesy of Dr. John Morris,
Glasgow Royal Infirmary, Glasgow, Scotland.

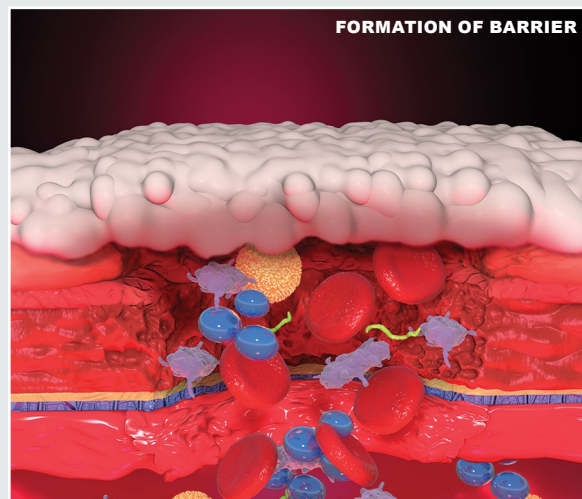
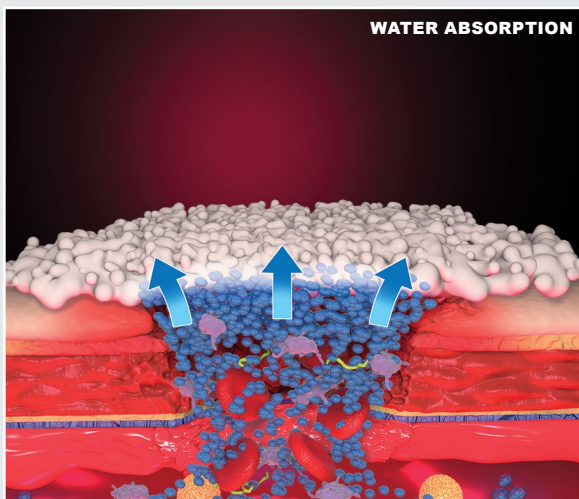
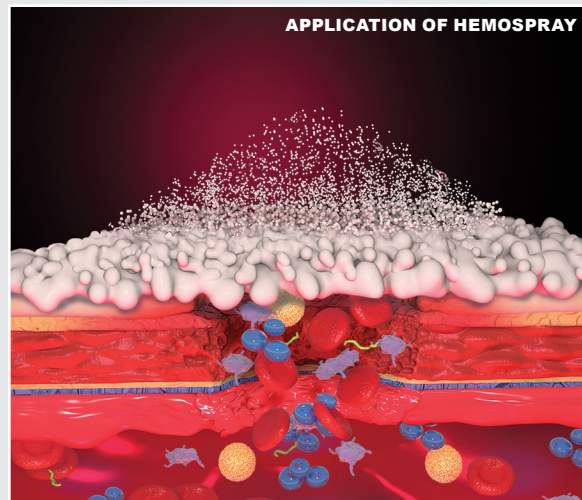
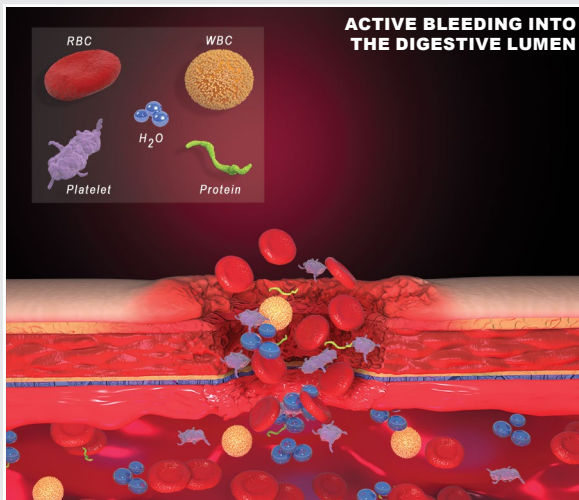
A different modality

What is Hemospray?

Hemospray is an inert mineral powder developed for endoscopic hemostasis that contains no human or animal proteins or botanicals and no known allergens.

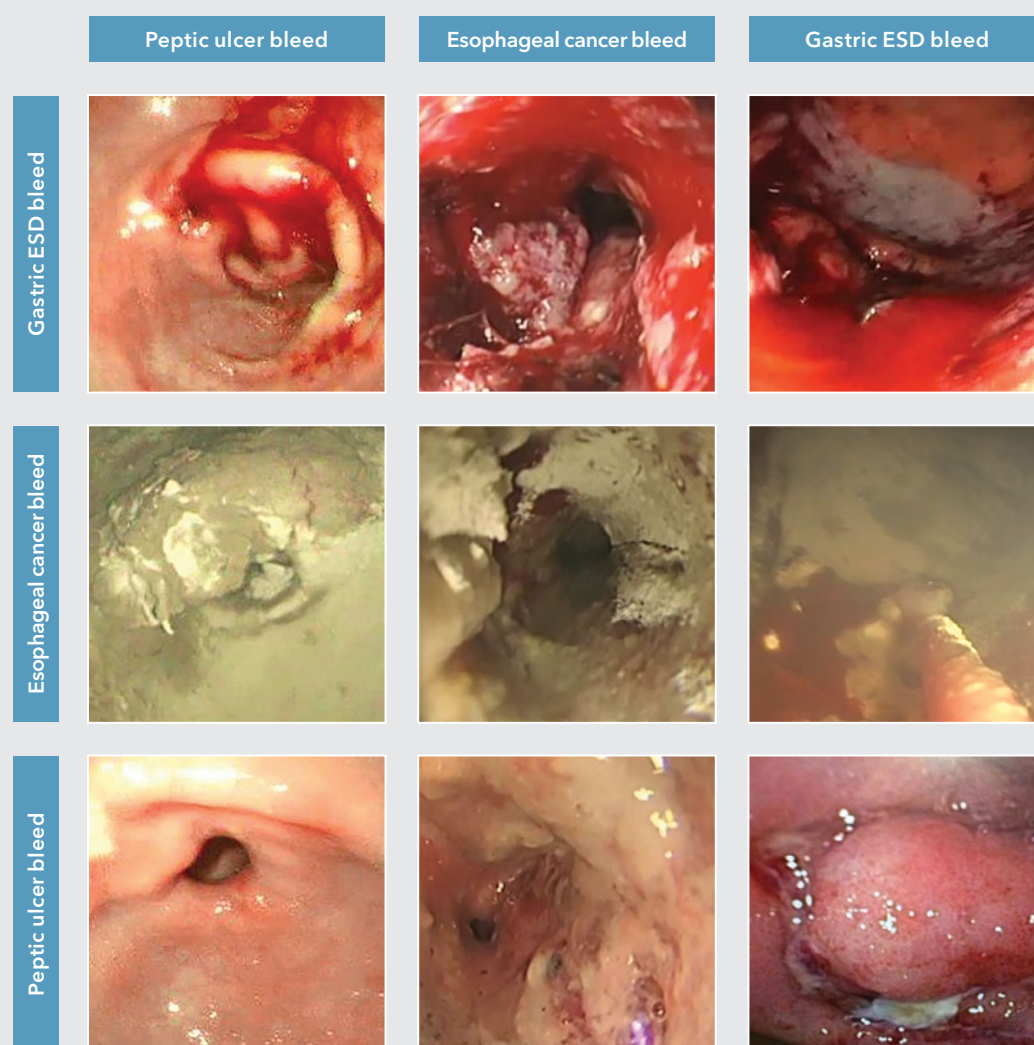
How does it work?

When Hemospray comes in contact with an actively bleeding site, the powder absorbs water and then acts both cohesively and adhesively, forming a mechanical barrier over the bleeding site.



When can Hemospray be used?

Hemospray is a different endoscopic modality that has demonstrated results in a wide range of nonvariceal gastrointestinal (GI) hemostasis procedures.



Hemospray has also demonstrated successful results with these additional nonvariceal bleed types:

Gastritis	Dieulafoy lesions
Mallory-Weiss tears	Gastric antral vascular ectasis (GAVE)/watermelon stomach
Esophagitis	Gastric angiodysplasia
GI neoplasms	Post endoscopic mucosal resection (EMR)

Peptic ulcer bleed images courtesy of Prof. Joseph Sung, Chinese University of Hong Kong, Hong Kong, China. Esophageal cancer bleed image courtesy of Dr. John Morris, Glasgow Royal Infirmary, Glasgow, Scotland. Gastric Endoscopic submucosal dissection (ESD) bleed images courtesy of Dr. David Serra, Hospital da Luz, Lisbon, Portugal.

A different approach to hemostasis

Hemospray, unlike traditional therapies, is a nonthermal, nontraumatic, noncontact modality that doesn't require the precise targeting of other modalities.

- **Nonthermal:** The procedure causes no tissue changes, unlike some thermal modalities.
- **Nontraumatic:** Since no direct force is applied at the treatment site, the powder minimizes the risk of tissue trauma that may result from other modalities.
- **Noncontact:** The aerosol delivery system eliminates the need for direct mechanical or contact forces with the treatment site by the delivery system.
- **Nonspecific targeting:** Powder is sprayed toward the source of the bleed, so it does not require the en face approach and precise targeting of other modalities.

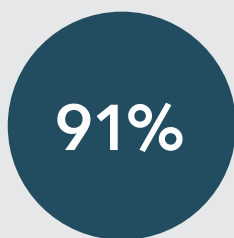
Simplifying hemostasis for you and your patient

Mechanical, injectable, and thermal therapies are used alone or in combination to manage GI bleeding. Hemospray is an easy-to-use, safe, and effective alternative to these traditional therapies. A systematic review of 20 studies¹ shows that Hemospray has a technical success rate of 97% when used to manage nonvariceal

upper GI bleeding, with increasing success by publication year. Immediate hemostasis was achieved in 91% of patients. Immediate hemostasis, recurrent bleeding, and mortality were similar in studies comparing Hemospray to alternative methods. Complications were reported in <1% of patients.



technical
success rate



patients achieved
immediate hemostasis



patients with
complications

1. Aziz M, Weissman S, Mehta TI, et al. Efficacy of Hemospray in non-variceal upper gastrointestinal bleeding: a systematic review with meta-analysis. *Ann Gastroenterol.* 2020;33(2):145-154.

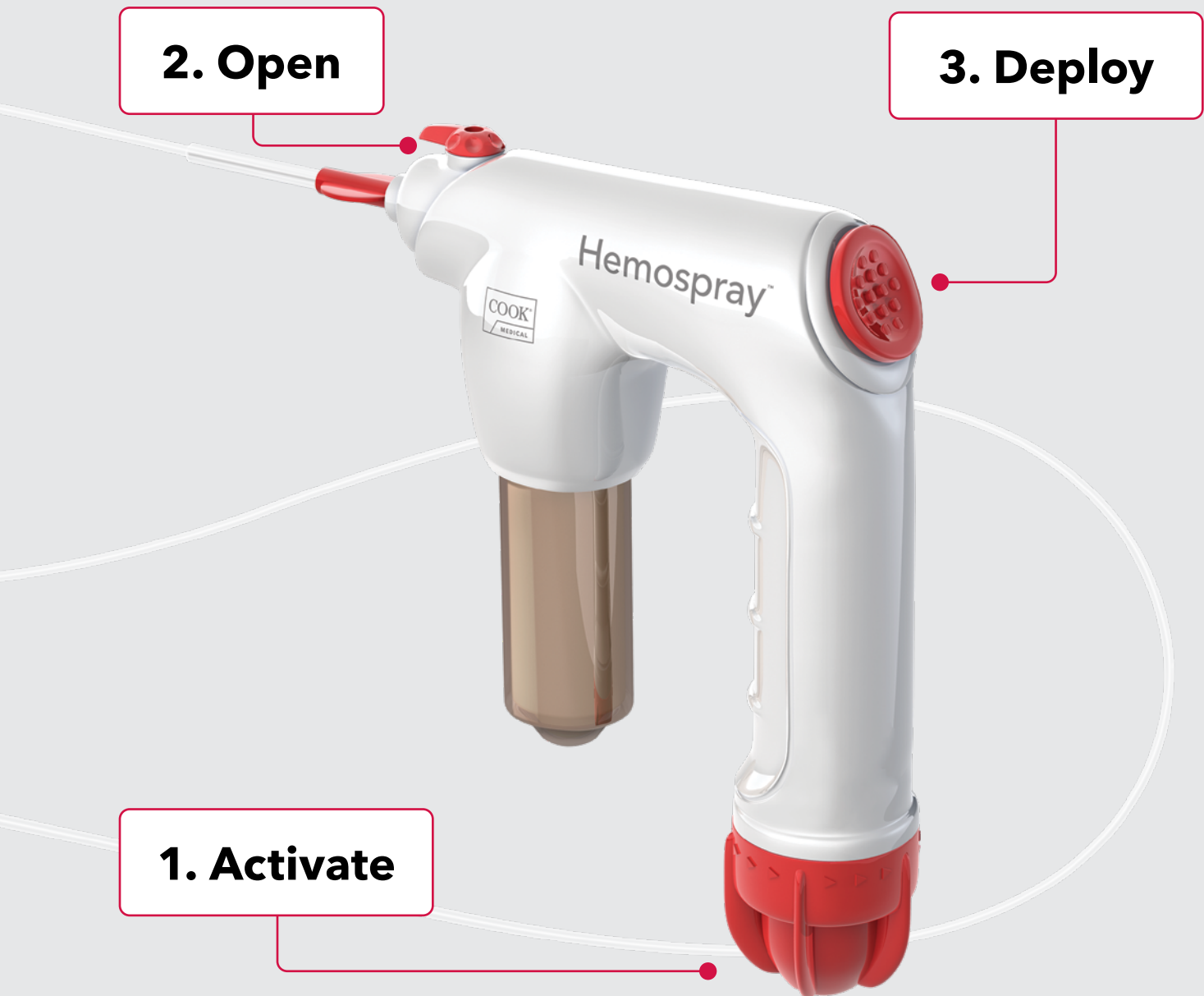
Activate, open, and deploy.

In three steps, you can deploy Hemospray to treat nonvariceal GI bleeds. Activate the CO₂ cartridge, open the valve, and spray toward the source of bleeding.

2. Open

3. Deploy

1. Activate



Hemospray reference articles

CLINICAL

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Product specifications

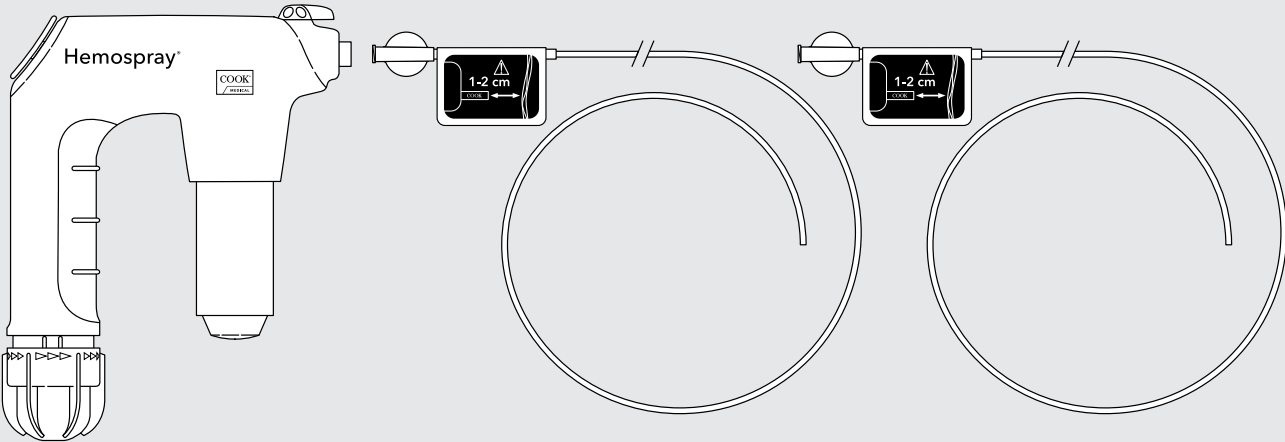
Used for hemostasis of nonvariceal gastrointestinal bleeding.

This device is supplied sterile and is disposable. It is intended for single use only.

Order Number	Reference Part Number	Catheter Fr	Catheter Length cm	Minimum Accessory Channel Diameter mm
G56572	HEMO-7	7.2	220	2.8
G21049	HEMO-10	9.6	220	3.7

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Support & Distribution for details.

Device comes preassembled, and each package contains an extra catheter.
No additional materials are required for usage. Three-year shelf life.



Refer to the current Instructions for Use (IFU) for detailed system use.
Please see product risk information in the IFU at cookmedical.com



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AI, ESC, IR, OHNS, PI, RH, SUR-A4