A different approach to hemostasis.

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 has 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 to use Hemospray?
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
- Mallory-Weiss tears
- Esophagitis
- GI neoplasms
- Dieulafoy lesions
- GAVE/watermelon stomach
- Gastric angiodysplasia
- Post endoscopic mucosal resection (EMR)

Peptic ulcer bleed images courtesy of Prof. Joseph Sung, Chinese University of Hong Kong, Hong Kong, China. Duodenal ulcer bleed images courtesy of Dr. Lars Karlsten, Stavanger University Hospital, Stavanger, Norway. Gastric ESD bleed images courtesy of Dr. David Serra, Hospital da Luz, Lisbon, Portugal.
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 non-variceal 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.

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

- **Nonthermal**: The procedure causes no tissue changes, unlike some thermal modalities.
- **Atraumatic**: Since no 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 the precise targeting of other modalities.

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.
**Hemospray reference articles**

**CLINICAL**


**NONCLINICAL**


Product specifications

Used for hemostasis of nonvariceal gastrointestinal bleeding.

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

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

Device comes preassembled, and each package contains an extra catheter. No additional materials are required for usage. 3-year shelf life.

**Summary of clinical data:** Clinical data summary information that was, in part, the basis for granting the de novo can be found on the Cook Medical website at CookMedical.com/HemosprayData