A different approach to hemostasis.

Cost-Effectiveness Results
NOW AVAILABLE*

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 which 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, 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 upper GI hemostasis procedures.

<table>
<thead>
<tr>
<th>Initial Bleed</th>
<th>Hemospray Application</th>
<th>72 hour follow-up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peptic Ulcer Bleed</td>
<td>Duodenal Ulcer Bleed</td>
<td>Gastric ESD Bleed</td>
</tr>
</tbody>
</table>

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 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 Karlsen, Stavanger University Hospital, Stavanger, Norway. Gastric 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. That means:

- **Nonthermal**: No tissue changes occur as sometimes experienced with thermal modalities.
- **Nontraumatic**: Since no force is applied at the treatment site, the powder minimizes the risk of tissue trauma as experienced with other modalities.
- **Noncontact**: 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.

Simplifying hemostasis for you and your patient

An ease of use comparison was made for 79 patient treatments in a postmarket clinical registry and Hemospray was determined to be comparable to or easier than administration of other hemostasis treatment modalities.

Hemostasis was achieved in under 10 minutes in over 77% of cases with Hemospray. Hemospray was thought to save time in 59% of cases.1

Contributors SEAL post market evaluation:
University of Manitoba, Winnipeg MT, St. Pauls Hospital, Vancouver BC, St. Michaels Hospital, Toronto ON, McGill University, Montreal QC, University Hospital Mainz, Germany, Queen Elizabeth Hospital, Birmingham, UK, Lund University Hospital, Malmo Sweden, Institute University Parc Tauli, Sabadell, Spain, Hvidovre Hospital, Copenhagen, Denmark, Hospital Cochin, Paris, France, Glasgow Royal Infirmary, Glasgow, Scotland, Erasmus Medical Center, Rotterdam, Netherlands, Ospedale San Paolo, Italy, Amsterdam Medical Center, Amsterdam Netherlands

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Activate, Open and Deploy

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

**CLINICAL**


**NON-CLINICAL**


Product Specifications

Used for hemostasis of nonvariceal upper gastrointestinal bleeding.

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

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Reference Part Number</th>
<th>Catheter French Size</th>
<th>Catheter Length</th>
<th>Minimum Accessory Channel</th>
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<tbody>
<tr>
<td>G24663</td>
<td>HEMO-7-EU</td>
<td>7</td>
<td>220</td>
<td>2.8</td>
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<tr>
<td>G21346</td>
<td>HEMO-10-EU</td>
<td>10</td>
<td>220</td>
<td>3.7</td>
</tr>
</tbody>
</table>

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

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