Hemostasis with the bipolar HemoStat-Y
The HemoStat-Y is used to accomplish effective initial hemostasis for gastrointestinal bleeding. Its great flexibility makes it easy to use, even in difficult positions, and for a variety of applications**. The bipolar forceps are designed to support fast and efficient hemostasis without causing damage to the deeper tissue through thermal degeneration**. The HemoStat-Y enables long-term prevention of re-bleeding, especially during ESD.

Dissection with Mucosectom
With its innovative design, Mucosectom overcomes the challenge of dissection procedures safely and time-efficiently. The insulated tip can reduce the risk of perforation, while the extended knife length can reduce the amount of time the procedure takes. The knife on the side of the 360° rotatable tip, and the optical marker, assist the physician in holding the accessory in the direction of the lesion and dissecting it precisely.

Dissection with Swanblade
The Swanblade supports a precise and safe dissection, mainly in the upper gastrointestinal tract. The insulated tip can reduce the risk of perforation and its sloped distal end helps to block the muscular layer providing a safe dissection of the submucosal layer. The optical marker indicates the knife positioning while the 360° rotating tip with the lock function allows to precisely direct it in the lesion.

PENTAX Medical ESD – precise, efficient and safe.

**Splashneedle – Precise and efficient**
- Adjustable needle length for a complete dissection with a single accessory
- Fine needle suitable for marking, circumferential incision and starting the mucosal dissection
- Clean endoscopic view due to the water jet function

**K-snare – All in one**
- Enables hybrid technique EMR/ESD especially in the colon
- Combines an adjustable knife on the tip for a precise marking and incision and a snare for resection
- The all-in-one accessory for a complete lesion resection

**Mucosectom – For a safe and fast therapeutic approach**
- Insulated tip and single sided knife for a safer dissection
- Rotatable tip with optical marker for a precisely directed dissection
- Extended knife length designed for a faster procedure

**Swanblade – Precise and safe**
- Insulated tip for a safer dissection
- Shaped distal end helps to block the muscular layer providing a secure dissection of the submucosal layer
- Rotatable tip with optical marker for a precisely directed dissection

**Bipolar HemoStat-Y – Easy control of bleeding**
- Bipolar HemoStat-Y has less impact on deeper tissue in terms of thermal degeneration
- Enables long-term prevention of re-bleeding
- Due to its flexibility, it can be used on different applications such as EMR/ESD, gastrointestinal bleeding and papilla resection

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**Marking and marginal incision with Splashneedle**
The Splashneedle is a precise fine needle for marking, incision and dissection.
- The needle length can be up to 2.5 mm enabling physicians to set up the knife accordingly and completing the dissection with a single accessory.

**Mucosectom**
- For a safe and fast therapeutic approach
- Insulated tip and single sided knife for a safer dissection
- Rotatable tip with optical marker for a precisely directed dissection
- Extended knife length designed for a faster procedure

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**Kataoka et al.** (2010)
Clinical evaluation of emergency endoscopic hemostasis with bipolar forceps in non-variceal upper gastrointestinal bleeding. Digestive Endoscopy 22, 151-155

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**Fujishiro et al.** (2008)
Successful en bloc resection of superficial esophageal cancer treated by 30/11 endoscopic submucosal dissection with a splash needle. Endoscopy 40, E81-E82

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**Table: ESD Accessories**

<table>
<thead>
<tr>
<th>Type</th>
<th>Working length (mm)</th>
<th>Outer diameter (mm)</th>
<th>Blade length (mm)</th>
<th>Channel width (mm)</th>
<th>Adjustable length (mm)</th>
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<tbody>
<tr>
<td>Splashneedle</td>
<td>DN-D2718A</td>
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<tr>
<td>Mucosectom</td>
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<td>2.8</td>
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<td>DP-D2522</td>
<td>2,000</td>
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<td>2.6</td>
<td>5.0</td>
</tr>
</tbody>
</table>

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For time-efficient and safe procedures.

PENTAX Medical ESD accessories are innovative, easy to handle and highly controllable for any kind of dissection of the entire GI tract.

A full range of ESD accessories for a complete dissection.

PENTAX Medical ESD accessories cover all steps of the ESD procedure and can be perfectly combined with the PENTAX RetroView scope, with its unique 210° deflection ability and reduced bending radius of its distal end, for a safe and time-efficient dissection.

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For time-efficient and safe procedures.

PENTAX Medical ESD accessories are innovative, easy to handle and highly controllable for any kind of dissection of the entire GI tract.

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For time-efficient and safe procedures.

PENTAX Medical ESD accessories are innovative, easy to handle and highly controllable for any kind of dissection of the entire GI tract.