

# ES Dissect

## Details and components

Instrument series consisting of optimized instruments for ESD, EMR and other endoscopic resection techniques.

### ESD VERSACAP

Cap for visualization with versatile adaptation to varying endoscope diameters between 9.5 – 12 mm.

### ESD AQANIFE

Monopolar electrosurgical instrument for dissection.

- Instrument shaft length of 220 cm, compatible with working channel diameter of 2.8 mm or larger
- Dissection needle length available for thin and thick tissue: 1.5 mm | 2.0 mm | 2.5 mm | 3.0 mm
- Incorporated flushing channel for connection to AqaJet to irrigate the tissue

### ENDO MARYLAND

Monopolar electrosurgical instrument for blunt dissection and coagulation.

- Instrument shaft length of 165 cm, compatible with working channel diameter of 3.2 mm or larger
- Rotatable, flexible instrument shaft for precise alignment of tip orientation
- Curved grasper design for precise targeting of tissue
- Reverse handle for more precise grasping and higher force transmission during blunt dissection

### ESD AQAJET

Flushing pump which is used in combination with the AqaNife to wash off liquids or debris or to re-inject fluid into the submucosal layer. The combination of AqaNife and AqaJet leads to a better overview of the target tissue and efficient procedure management by less changes of instruments.

### HF TRACTION SNARE

The Traction Polypectomy Snare is a serrated snare for endoscopic tissue resection.

- Instrument shaft length of 220 cm, compatible with working channel diameter of 2.8 mm or larger

### OTSC® ANCHOR

- Two Anchor sizes available with different needle length
- Instrument shaft lengths of 165 cm and 220 cm, compatible with working channel diameter of 2.8 mm or larger

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innovation in scope






▶ NEW

ES Dissect 

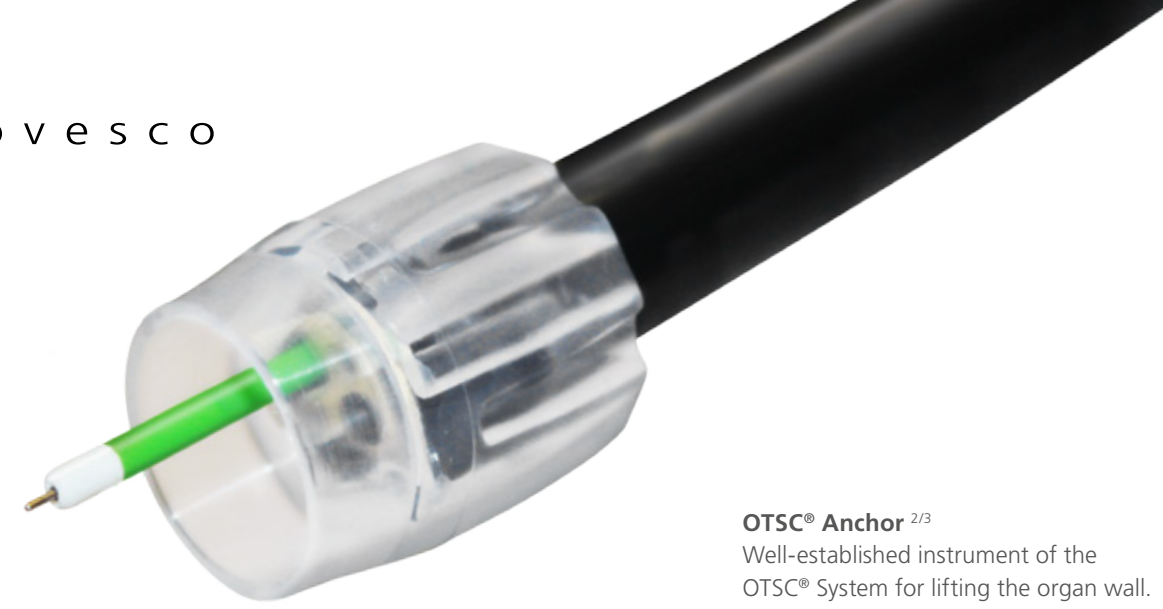
Ovesco Endoscopy AG is a medical device company specializing in the fields of flexible endoscopy and endoluminal surgery. Ovesco develops, manufactures, and markets innovative products for the treatment of gastrointestinal disease. Ovesco products stand for therapeutic efficacy and efficient application.



The ES Dissect instrument series offers optimized dissection for endoscopic tissue removal.

-  AqANIFE for ESD
-  ENDO-MARYLAND DISSECTOR for surgical dissection
-  VERSACAP, only one cap for many endoscope diameters
-  TRACTION POLYPECTOMY SNARE for more effective snare resection
-  OTSC® ANCHOR for lifting tissue during endoscopic resection

o o o o v e s c o



..... ES Dissect is a novel instrument series with matched technical features:

**AqaNife**

- HF dissection with needle lengths of 1.5 – 3 mm.
- AqaJet irrigation function to clean the dissection area
  - Re-injection of liquid without exchange of instruments

**Endo-Maryland Dissector**

- Inspired by laparoscopic surgical instruments.
- Blunt instrument dissection like in surgery
  - Effective HF hemostasis like using surgical tweezers

**VersaCap**

- Versatile adaptation to endoscope diameters between 9.5 to 12 mm.
- Visualization of submucosal tissue layer for safe and fast dissection and protecting the tissue at the same time
  - Flexible shape for atraumatic endoscopic insertion

**Traction Polypectomy Snare <sup>1</sup>**

- Serrated snare for more effective endoscopic resection.
- Solid grip in tissue even on flat lesions
  - Captures up to 30% more tissue and offers easy re-positioning

**OTSC® Anchor <sup>2/3</sup>**

- Well-established instrument of the OTSC® System for lifting the organ wall.
- Combined usage with Traction Polypectomy Snare for tissue resection of mucosal to submucosal lesions
  - Different Anchor sizes for variable tissue thickness

The use of the ES Dissect instruments is easy and similar to other endoscopic techniques. They are compatible with all commercially available endoscopes.

All ES Dissect products are disposables and designed for single-patient use.

..... Application

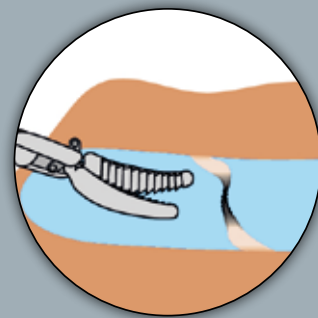
Hemostasis



Targeting and grasping of bleeding tissue with the Endo-Maryland Dissector. Curved jaws provide good overview.

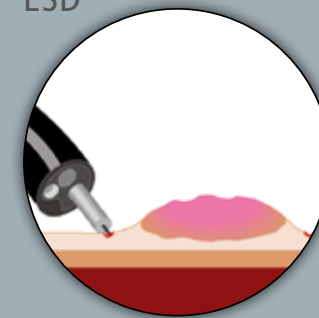


Mechanical compression and application of HF energy

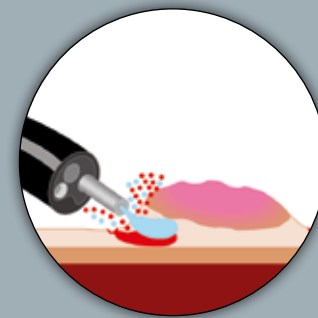


Effective hemostasis

ESD



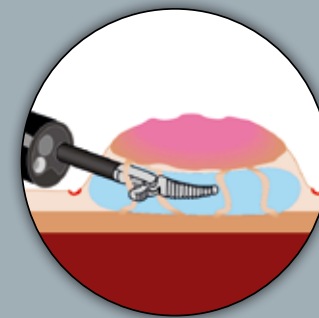
Marking of resection margins by placing coagulation points with the AqaNife



Bleeding due to tissue dissection can be flushed rapidly and coagulated with HF electrode (AqaNife)

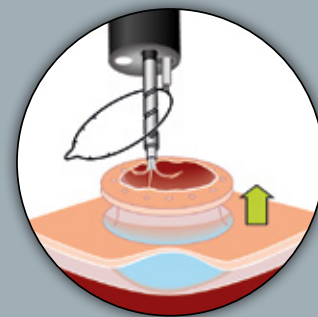


Fluid re-injection into submucosal layer using the flushing capabilities (AqaJet) of the AqaNife

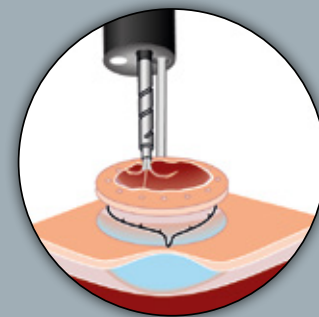


Preparation of submucosal space can be assisted by blunt spreading with the Endo-Maryland Dissector

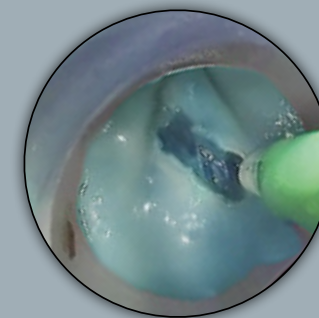
EMR<sup>+</sup>



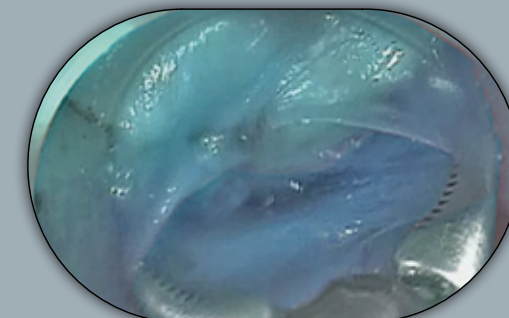
After injection, lifting the mucosa with the OTSC® Anchor inserted through the loop of the Traction Polypectomy Snare.



Placement of the Traction Polypectomy Snare on tissue which is lifted up with the OTSC® Anchor and resection of the tissue



Mucosa incision with the AqaNife



Blunt dissection of submucosal space by spreading with the Endo-Maryland Dissector

1 ProBt RL, Baur FE. A new serrated snare for improved tissue capture during endoscopic snare resection. Minim Invasive Ther Allied Technol. 2010; 19:2; 100-4  
 2 von Renteln, Schmidt A, Vassiliou MC, Rudolph HU, Caca K. Endoscopic mucosal resection using a grasp-and-snare technique. Endoscopy. 2010; 42(6):475-80 [Epub 2010 Apr 29]  
 3 Schlag C, Wilhelm D, von Delius S, Feussner H, Meining A. EndoResect study – endoscopic full-thickness resection of gastric subepithelial tumors. Endoscopy 2013; 45(1):4-11 [Epub 2012 Dec 19]