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NEW

RESECT+

next level resection

Optimized endoscopic resection techniques

- Bimanual working thanks to additional working channel (AWC®duo) enables optimized resection
- Combination of ESD cap and working channel for a wide range of endoscopic techniques such as EMR and ESD
- Instruments for each phase of resection

RESECT+

RESECT+ is an instrument line consisting of optimized instruments for endoscopic resection techniques. With RESECT+ you can rely on a complete solution for every phase of resection and other endoscopic procedures, including:

- EMR (Endoscopic Mucosal Resection)
- ESD (Endoscopic Submucosal Dissection)
- Advanced techniques with additional grasper or anchor: EMR+, ESD+, Hybrid-ESD+
- POEM (Peroral Endoscopic Myotomy)
- Clip removal

All products in the RESECT+ line are characterized by ease of use and innovative design. They provide optimal support for both beginners and advanced users in every phase of the resection. The stable LiftUp® injection cushion allows for full concentration on the actual resection.

The additional working channel AWC®duo enables bimanual working. Beginners benefit from the additional traction, while advanced users appreciate flexible instrument combination and the associated time savings. EMR+ and Hybrid-ESD+ also allow for larger en-bloc resections.

RESECT+

LiftUp®

LiftUp® is an injection agent for injection in the submucosa for safe and easy endoscopic resection.

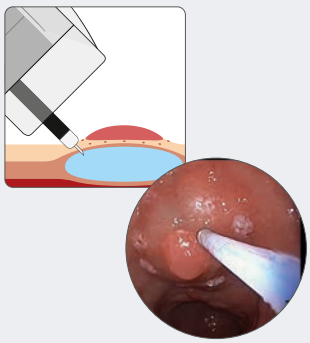
LiftUp® features:

- Gels thermo-reversibly in tissue at body temperature
- Creates a long-lasting cushion in the submucosa for at least 60 min.[3]
- Stable, even after mucosa incision[3]
- Separates and exposes layers and structures
- Saves time due to fewer re-injections[4]
- Enables easy, fast, and safe resection

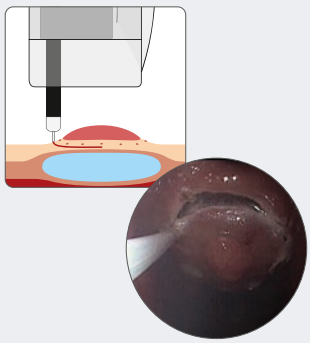
Application

Scan here for the application video!

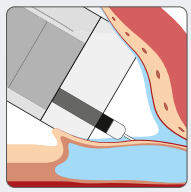
Hybrid-ESD+



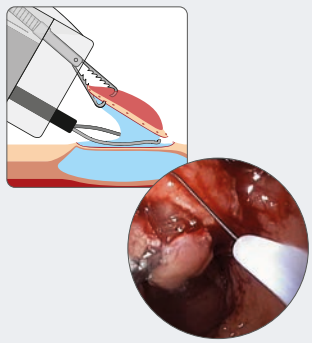
Marking and injection with LiftUp®.



Incision with snare tip or HF knife.



Dissection with snare tip or HF knife.



Resection with snare and grasper[5].

3 Wedi, E., Koehler, P., Hochberger, J., Maiss, J., Milenovic, S., Gromski, M., Ho, C.-N., Gabor, C., Baulain, U., Ellenrieder, V., Jung, C. (2019). Endoscopic submucosal dissection with a novel high viscosity injection solution (LiftUp) in an ex vivo model: a prospective randomized study. Endosc Int Open, 07(05), E641-E646.

4 Meier, B., Wannhoff, A., Klinger, C., & Caca, K. (2019). Novel technique for endoscopic en bloc resection (EMR+) - Evaluation ina porcine model. World J Gastroenterol, 25(28), 3764-3774.

5 Prof. Dr. A Meining, Universitätsklinikum Würzburg, Germany

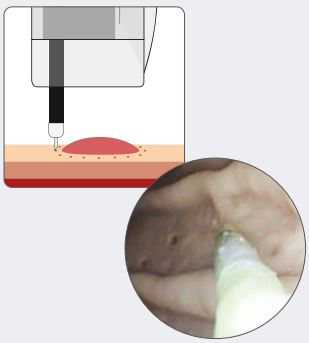
AqaNife®

The AqaNife® is a monopolar electrosurgical instrument for endoscopic submucosal dissection using flexible endoscopes. It is a fixed dissection knife.

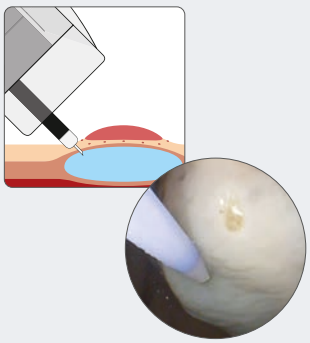
AqaNife® features:

- Straight needle for flexible dissection angle
- Precise marking of tissue
- No retraction of the needle in case of tissue contact
- Defined, fixed position of the needle
- Ceramic sheath tip as stopper and protector
- Re-injection without instrument change
- Integrated irrigation channel for connection to conventional irrigation pumps for flushing the tissue

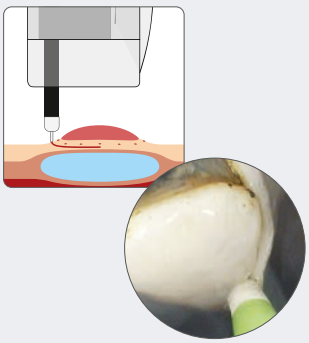
ESD+



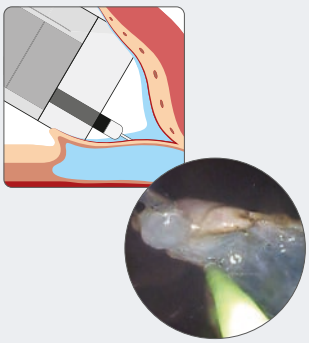
Marking.



Injection of LiftUp®.



Incision of 4/5 of the total circumference.



Endoscopic submucosal dissection[6] with AqaNife® and additonal grasper in the AWC®duo.

6 Prof. Dr. A. Meining, Universitätsklinikum Ulm, Germany [ex vivo model]

Coag Dissector

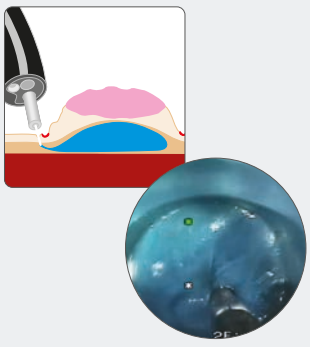
The Coag Dissector combines precise coagulation of bleeding with the option of blunt tissue dissection. The convenient rotation of the instrument tip allows the tissue to be targeted very precisely.

Eigenschaften des Coag Dissector features:

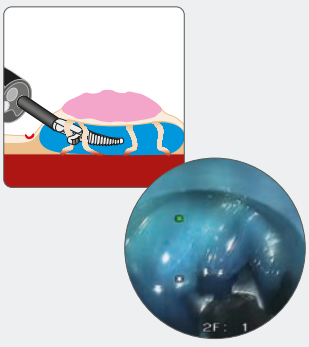
- Rotatable flexible instrument shaft for precise alignment of the grasper tip
- Curved grasper for exact positioning on the tissue
- Tissue coagulation possible with open and closed jaws
- Wide range of applications, such as hemostasis, ESD and POEM

Scan here for the application video!

ESD

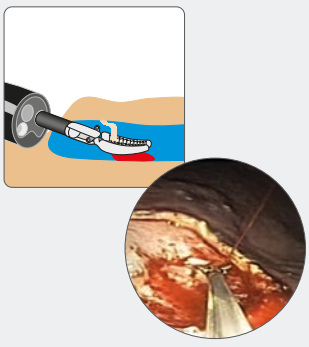


Injection to lift the lesion.

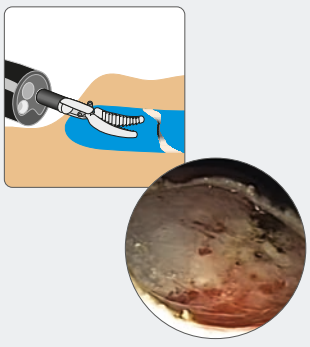


Blunt dissection by spreading the Coag Dissector.

Hemostasis



Grasping the bleeding tissue with the Coag Dissector.



Effective hemostasis[7].

7 Prof. Dr. M. Schurr, Ovesco Endoscopy AG, Tuebingen, Germany [in vivo model]

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Traction Polypectomy Snare

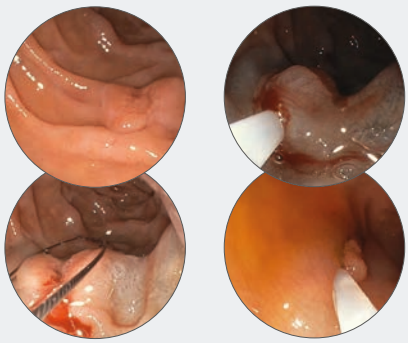
Instrument for grasping and removing polyps in the gastrointestinal tract via a flexible endoscope.

Traction Polypectomy Snare features:

- Up to 30% more tissue capture per resection[8]
- Serrated design for maximum grip, even with flat adenomas
- Larger resection area reduces the number of piece-meal resections
- Facilitates histopathological assessment

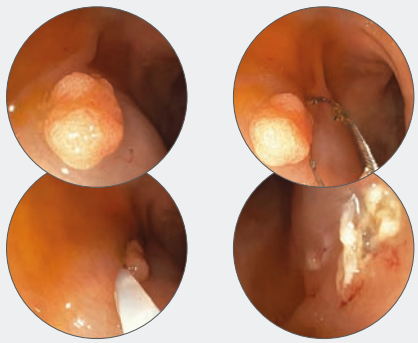
Scan here for the application video!

Polypectomy in the duodenum



Polypectomy in the duodenum using the Traction Polypectomy Snare[9].

Cold snare removal



Cold snare removal of a polyp with the help of the Traction Polypectomy Snare[9].

8 Proßt 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
9 Shou Jiang Tang, M.D., University of Mississippi Medical Center, Jackson, Mississippi

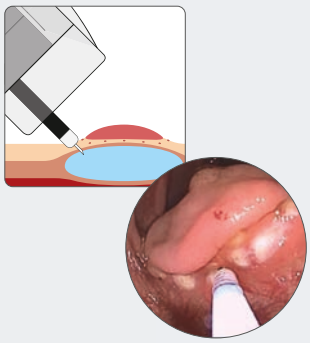
AWC®duo

The AWC®duo (Additional Working Channel) is an endoscopic system that combines an additional working channel for flexible endoscopy with a flexible ESD cap.

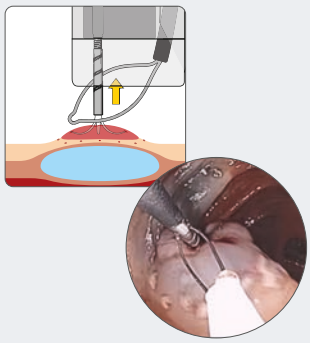
AWC®duo features:

- Simple transformation of a single-channel endoscope into a double-channel functionality
- Bimanual working with triangulation
- Enables simple resection, even in complex procedures such as ESD
- Facilitates tissue elevation in EMR and ESD
- Improved field of vision through distance cap
- Additional lumen for suction or irrigation
- Better control of instruments
- For gastroscopes and colonoscopes

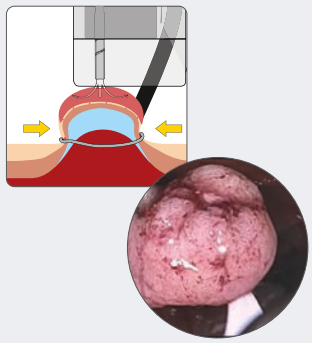
EMR+



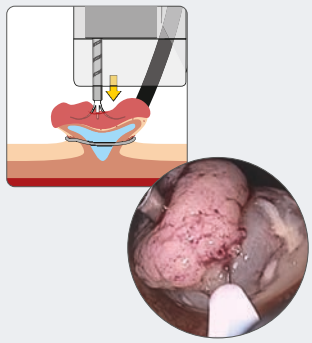
Injection of LiftUp®
optional: Incision with snare tip as guideline for snare closure.



Positioning of snare and OTSC® Anchor or FTRD® Grasper.



Elevation of the lesion and snare closure.



Push-back[1] of OTSC® Anchor or FTRD® Grasper while snare stays closed and subsequent resection[2].

1 Note: Anchor needles must not be captured with the snare during the push-back move. If in doubt, the Anchor can be closed to avoid a short circuit.
2 Prof. S. Kunsch, Rems-Murr-Kliniken, Winnenden, Germany

RESECT+

Details and components

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

RESECT+ AWC®duo	Compatible endoscope diameter [mm]	Max. diameter Ø (mounted) [mm]	Length of working channel [mm]	Insertion length of endoscope [cm]	Compatible instrument diameter Ø [mm]	Packaging unit [pcs.]	Ref.N°
AWC®duo	9.8 – 11.5	18	124	103 – 110	up to 3.2	2	**200.57.05**
AWC®duo	11.5 – 13.5	21	184	160 – 170	up to 3.2	2	**200.57.06**

RESECT+ LIFTUP®	Contents per vial [ml]	Accessories	Packaging unit [vial]	Ref.N°
LiftUp®	20	none	5	**200.56.01**
LiftUp® Kit	20	10 disposable syringes, 5 injection needles	5	**200.56.02**

RESECT+ AQANIFE	Shaft length [cm]	Needle length [mm]	Required working channel diameter Ø [mm]	Packaging unit [pcs.]	Ref.N°
AqaNife®	220	1.5	2.8	1	**200.53.01**
AqaNife®	220	2.5	2.8	1	**200.53.03**

The Coag Dissector and the Traction Polypectomy Snare are effective instruments for facilitating and supplementing endoscopic procedures such as resection techniques.

TRACTION SNARE	Shaft length [cm]	Snare diameter Ø [mm]	Required working channel diameter Ø [mm]	Packaging unit [pcs.]	Ref.N°
Traction Polypectomy Snare	220	25	2.8	10	**200.55.10**

COAG DISSECTOR	Shaft length [cm]	Jaw length [mm]	Opening width of jaws	Required working channel diameter Ø [mm]	Packaging unit [pcs.]	Ref.N°
Coag Dissector	165	6	90°	2.8	1	**200.50**

Our product line of auxiliary instruments supports tissue handling and thereby facilitates a variety of endoscopic techniques.

OTSC® ANCHOR	Shaft length [cm]	Max. diameter Ø [mm]	Needle width [mm]	Stitch depth [mm]	Required working channel diameter Ø [mm]	Packaging unit [pcs.]	Ref.N°
OTSC® Anchor	165	2.4	12	4	2.8	1	**200.10**
OTSC® Anchor 220tt	220	2.4	9	2 – 2.5	2.8	1	**200.11**

FTRD® GRASPER	Shaft length [cm]	Max. diameter Ø [mm]	Max. angle of aperture	Required working channel diameter Ø [mm]	Packaging unit [pcs.]	Ref.N°
FTRD® Grasper	220	2.3	130°	2.8	5	**200.73**

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CE 0297

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