





## FUJIFILM TSE DEVICES

## Efficient, Therapeutic Solutions

Fujifilm offers devices designed for performance in a variety of Third Space Endoscopy (TSE) applications and emerging techniques. Whether you are an experienced third space endoscopist, or you are starting to consider adding capabilities to conduct TSE procedures in your practice, Fujifilm devices support your endeavors.





An ingenious knife aimed at achieving advanced usability, an ideal choice for many third space endoscopy applications.

#### Slim design enables:

- Increased suction capability
- Improved bending capability
- Smoother scope insertion
- Versatility to reduce unessential device exchanges

#### Improved handle design enables:

- 270° rotation of water supply port
- Improved comfort in using tube and syringe connections



Uniform 2.7mm insertion portion





FlushKnife Slim

#### Increased suction capability



#### Rotatable water supply port

Rotatable water supply port allows comfortable usage of both tube and syringe connection.



#### Tip shape & catheter design provide stable incision, dissection, and coagulation

The FUJIFILM FlushKnife Slim device is designed with a ball tip, which produces reliable traction and enables the target tissue to be dissected smoothly. As the ball tip touches a wider range of tissue, it supports stability during incision and dissection, as well as effective coagulation.

When the FlushKnife Slim tip touches the mucosa at any angle, it will have similar contact surface area, and as such, the current density is not biased. This design is aimed at helping reduce the risk for complications such as perforation and bleeding.

Leveraging years of experience in collaboration with endoscopists that blazed the trail in TSE, Fujifilm has developed a portfolio of devices aimed at addressing TSE challenges to increase procedural capability and efficiency, and helping you make it possible to utilize these types of non-invasive therapies more routinely.

For example, with Endoscopic Submucosal Dissection (ESD), surface changes in the mucosa are removed through the use of electrosurgical instruments. One advantage of this technique is that its use could reduce the extent of surgical intervention, as the treatment is performed using the body's natural orifices.

The technique enables *en bloc* excision of the mucosal layer, allowing pathologists to examine the whole retrieved tissue, as opposed to the piecemeal method.



## FUJIFILM TSE ACCESSORIES

## Supporting Your Procedure

### **DISTAL END HOOD**

Fujifilm's sterilized hoods are designed to maintain a **clear, unobstructed field of view** during procedures such as ESD. The soft silicone material used in Fujifilm hoods improves flexibility and makes hood attachment and detachment smooth. Fujifilm hoods are available in many shapes and sizes, offering compatibility with a wide range of endoscopes and TSE devices. Refer to the product specifications page for additional information.



#### **Dual Drain ST Hoods**

Fujifilm's DH-28GR, DH-29GR, and DH-30GR Short Tapered (ST) Hoods are designed with two drains and transparent material, which help maintain a clear, unobstructed view during TSE procedures.

#### **Guide Groove Hoods**

The Fujifilm DH-33GR and DH-34CR Hoods provide distinct advantages in therapeutic procedures. They are designed with an instrument guide groove and a short length to provide stability during treatment. The drain is located on the opposite side of the guide groove to enable a clear view. The guide groove inlet also enables smooth device insertion while keeping the same width on outlet for precise therapy.

#### **Asymmetrical Tapered Tip Hood**

Fujifilm's DH-40GR has an asymmetrical tapered tip, which prevents interference when using devices like the Fujifilm ClutchCutter<sup>®</sup> with a hood.

#### **Magnification Hoods**

The Fujifilm DH-35GZ, DH-38CZ, and DH-39CZ hoods are specially designed to aid magnification and support certain therapeutic devices. Their soft, slim material and a black color helps suppress halation to keep a clear view during procedures.

## ClutchCutter: an all-in-one TSE device.





3-in-1 single-use rotatable forceps to **support and augment** performance in ESD, Z-POEM, and other TSE procedures where tissue separation is important.

#### Highlights

**Serrated, rotatable jaws** allow for precision when approaching the lesion to enable secure gripping of the mucosa.

**Insulated outer edge** helps to avoid unintentional delivery of electrical current.

**Multiple jaw lengths** available to suit differing needs. Both a 3.5mm and 5.0mm option are available.



#### Application



**Incision** Grasp the mucosa, lift then begin initial incision.



**Dissection** Grasp the submucosa, lift, and dissect.



**Coagulation** Coagulate any bleeding spots.

## TRACMOTION: Single Operator, 360° Rotatable Retraction Product for ESD

Fujifilm has developed the TRACMOTION retraction device for Endoscopic Submucosal Dissection. TRACMOTION is



designed to facilitate enhanced visualization and simplify the lesion excision process to allow for greater control and maneuverability during ESD procedures.

TRACMOTION is equipped with 360° rotatable jaws, enabling easy grasping and re-grasping of large lesions during ESD. With TRACMOTION, an endoscopist uses simple single-hand movements to control the distal end of the product, independent of the endoscope's movement, and can hold tissue without complicated locking mechanisms to assist with en bloc extraction, both directly and in retroflexion.

TRACMOTION simplifies the lesion extraction process, and offers the potential to reduce ESD procedure time.

#### What sets TRACMOTION apart?

- 360° rotation
- Ability to grasp & re-grasp tissue
- Precise movement in channel, independent of endoscope's movement
- No locking mechanisms needed
  - Single operator capability
    - Simple, intuitive, single-hand movements
      - Potential for easier, faster procedures with better visualization

# EndoGel: A Novel Simulator for TSE Procedure Training

EndoGel offers endoscopists a unique and innovative training model for ESD and Peroral Endoscopic Myotomy (POEM) procedure types. EndoGel simulates the texture of human tissue involved in these kinds of procedures to help provide a life-like simulation.



- EndoGel can be used to practice marking, local injection, circumferential incision, submucosal dissection, myotomy, and clipping
- EndoGel can be used with a variety of medical devices intended for use during ESD and POEM procedure types, including high frequency apparatus
- EndoGel is made with non-biological materials, eliminating risk of infection



#### **Product Specifications**

## FlushKnife

Model	Identifier	Knife Type	Instrument Channel Diameter of Compatible Endoscope	Working Length of Compatible Endoscope	Maximum Diameter of Insertion Probe	Working Length	Knife Length	Sheath Color
DK2620JI	B15	Ball Tip	2.8mm or more	1700mm or less	2.7mm	2000mm	1.5mm	Green
DK2620JI	B20	Ball Tip	2.8mm or more	1700mm or less	2.7mm	2000mm	2.0mm	Blue
DK2620JI	B25	Ball Tip	2.8mm or more	1700mm or less	2.7mm	2000mm	2.5mm	Yellow
DK2620JI	B30	Ball Tip	2.8mm or more	1700mm or less	2.7mm	2000mm	3.0mm	Black
DK2623JI	B15	Ball Tip	2.8mm or more	1700mm or less	2.7mm	2300mm	1.5mm	Green
DK2623JI	B20	Ball Tip	2.8mm or more	1700mm or less	2.7mm	2300mm	2.0mm	Blue



Model Name	DP2618DT		
Identifier	35	50	
Jaw length	3.5mm	5.0mm	
Working length	1800mm		
Maximum diameter of insertion portion	2.7mm		
Instrument channel diameter of compatible endoscope	$\phi$ 2.8mm or above		
Working length of compatible endoscope	1400mm or less		

Model name		Outer diameter	Distance from endoscope tip	Distal end diameter of compatible endoscopes	Number of drains	Compatible endoscope(s)	
DH-28GR 5pcs/pack	A	11.5mm	7.0mm	9.6 - 9.9mm	2	EC-740T/L EG-760Z	
DH-29CR 5pcs/pack	A	12.4mm	7.0mm	10.5 - 11.1mm	2	EC-760P-V/L EG-760CT	
DH-30CR 5pcs/pack	A	13.8mm	7.0mm	11.7 - 12.8mm	2	EC-760R-V/L EC-760S-V/L EC-760Z-V/L	EC-760ZP-V/L EC-600HL EC-600WL v2
DH-33GR 5pcs/pack	(EI)	11.8mm	7.0mm	9.8 - 10.5mm	1	EG-760Z EG-760CT EC-740T/L	
DH-34CR 5pcs/pack	ATA	13.6mm	7.0mm	11.5 - 12.0mm	1	EC-760R-V/L EC-600WL v2	EC-760ZP-V/L EC-600LS
DH-40GR 5pcs/pack		11.8mm	8.3mm	9.8 - 10.5mm	1	EC-740T/L EG-760Z EG-760CT	

Model name	Outer diameter	Distance from endoscope tip	Distal end diameter of compatible endoscopes	Number of drains	Compatible endoscope(s)	
DH-35GZ 10pcs/pack	11.5mm	2.0mm	9.9mm	1	EG-760Z	
DH-38CZ 10pcs/pack	13.4mm	2.0mm	11.5 - 12.0mm	0	EC-760R-V/L EC-600WL v2	EC-760ZP-V/L EC-600LS
DH-39CZ 10pcs/pack	14.2mm	2.0mm	12.0-12.8mm	0	EC-760Z-V/L EI-740D/S	EC-760S-V/L

An endoscope may not be compatible with these devices even when it has the same specifications as described above. Specifications are subject to change without notice.

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