



Speedboat™  
UltraSlim



SpydrBlade™  
Flex



Speedboat™  
Notch

# Advanced Energy Dissection

## Endoscopic Devices for the GI Tract



Anything is Possible  
with the Right Approach



CREO  
MEDICAL

# Introduction

Creo Medical's pioneering products are used worldwide, providing:



## Patients

With improved treatment options, focused on enhancing quality of life



## Healthcare Professionals

With access to advanced technology and techniques

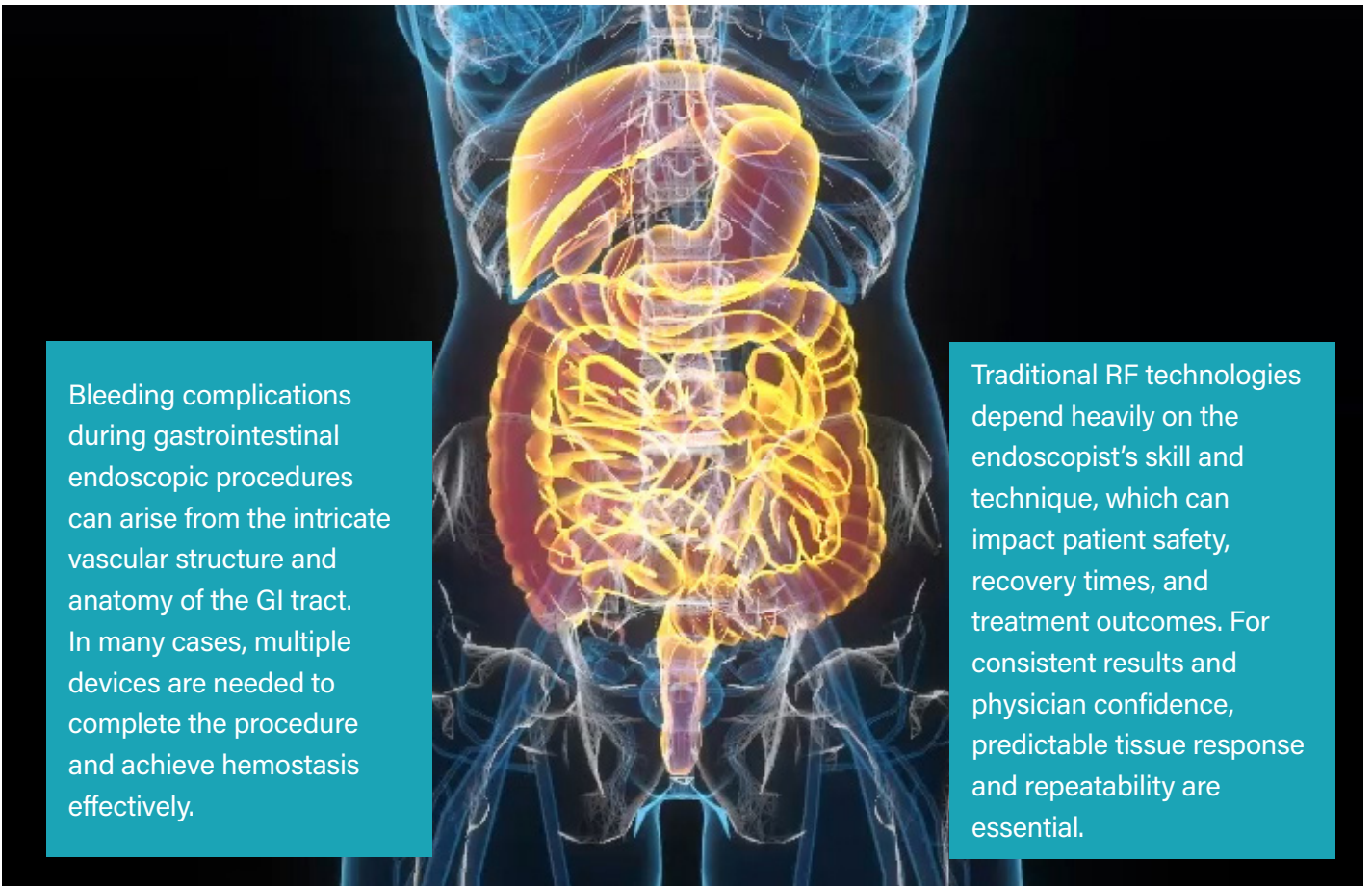


## Patients

With optimised patient pathways and efficiency

## Clinical Applications

The CROMA Advanced Energy Platform and advanced energy devices can be used for a full range of clinical applications within the GI tract.



Bleeding complications during gastrointestinal endoscopic procedures can arise from the intricate vascular structure and anatomy of the GI tract. In many cases, multiple devices are needed to complete the procedure and achieve hemostasis effectively.

Traditional RF technologies depend heavily on the endoscopist's skill and technique, which can impact patient safety, recovery times, and treatment outcomes. For consistent results and physician confidence, predictable tissue response and repeatability are essential.

# CROMA - Powered by Kamaptive Technology

**Our groundbreaking Kamaptive™ Technology is designed to elevate patient outcomes by integrating laparoscopic precision into therapeutic endoscopy.**

At the core is the CROMA energy platform, powered by the full electromagnetic spectrum to deliver unique performance and versatility.

Kamaptive enables advanced control, energy optimisation, and enhanced usability—empowering clinicians with the precision and confidence that they need.

## **Adaptive Bipolar Energy: Smarter, precise dissection**

### **Lower Voltage for Safer Delivery**

- By reducing the voltage, energy travels a shorter, more controlled path - minimising the risk of unintended tissue damage and improving patient safety.

### **Adaptive Tissue Technology with Continuous Energy Monitoring**

- Delivers precise energy tailored to tissue needs in real time. Energy is only applied as needed - every step of the way - ensuring optimal control and efficiency throughout the procedure.

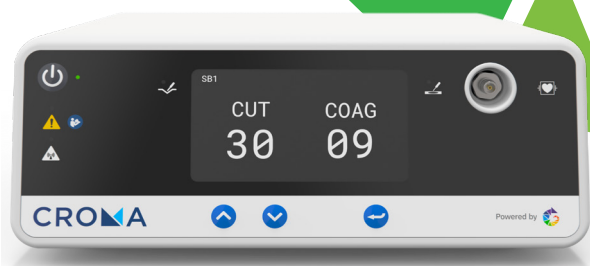
## **Super High Frequency Microwave Coagulation: Safer & controlled energy**

### **Lower Voltage for Safer Delivery**

- A shorter energy pathway reduces the risk of unintended tissue effects, ensuring safer and more controlled coagulation.

### **Microwave Energy at 5.8GHz**

- This advanced frequency enables deep, consistent energy penetration with minimal interference from tissue resistance - delivering reliable, precise coagulation with every use.



"We're missing this energy platform and I think it has much more potential; way beyond even a single ESD device"

*Dr. Petros C. Benias Northwell Health - LIJ Medical Center, USA*

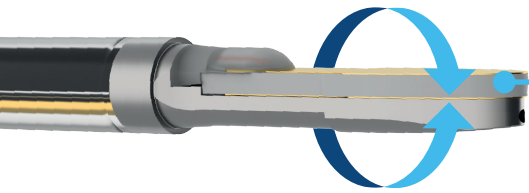
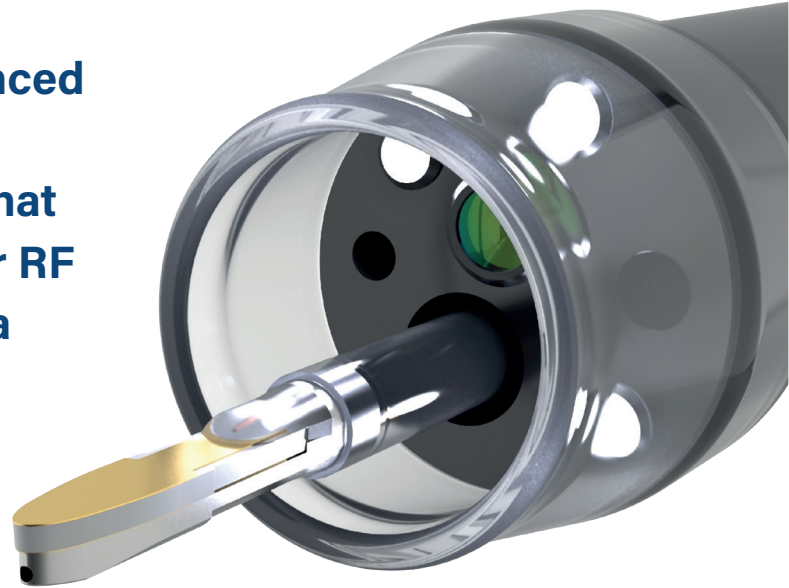


# Speedboat Technology

Our Speedboat devices are Advanced Energy multi-modal instruments, designed for flexible endoscopy that can deliver both advanced bipolar RF and SHF microwave energy from a single device.

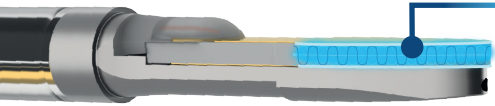


**Speedboat™**  
UltraSlim



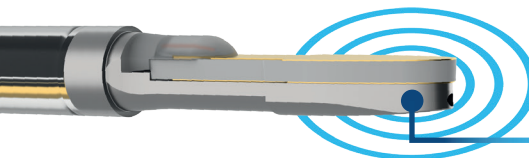
## 1-to-1 rotational feel

Enabling predictable rotation for precise control, ensures the tip can be positioned to match the contour of the muscle bed at all stages of submucosal dissection.



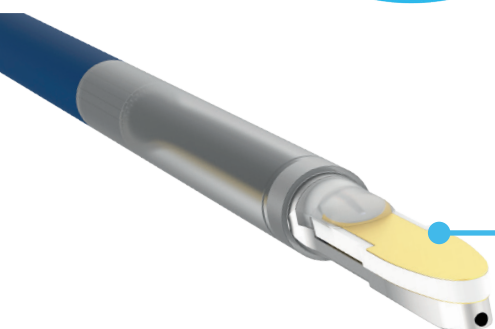
## Precise Advanced Bipolar RF Cutting

Blade design controls the depth of penetration and provides a focused pathway of energy delivery at lower voltage <460 V. Adjusts voltage/current based on tissue impedance automatically to maintain power density for a smooth, high quality and precise cut.



## On-demand, controlled microwave coagulation

SHF Microwave energy distributes heat evenly across the treatment area, coagulating the area and constricting the source of bleeds. 5.8 GHz enables controlled depth of penetration not impacted by tissue resistance, designed to minimise the risk of perforation and charring.



## Integrated Lifting System & Protective Hull

Integrated lifting system provides rapid tissue lift during dissection and the protective hull allows close cutting to the muscle bed, while protecting it from unwanted thermal injury.



For access to the **Clinical Resources Bibliography** where you will find published data and **Clinical Case Studies**, please scan the QR Code.

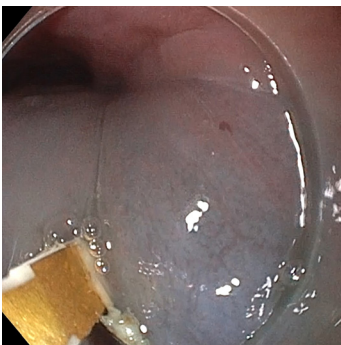
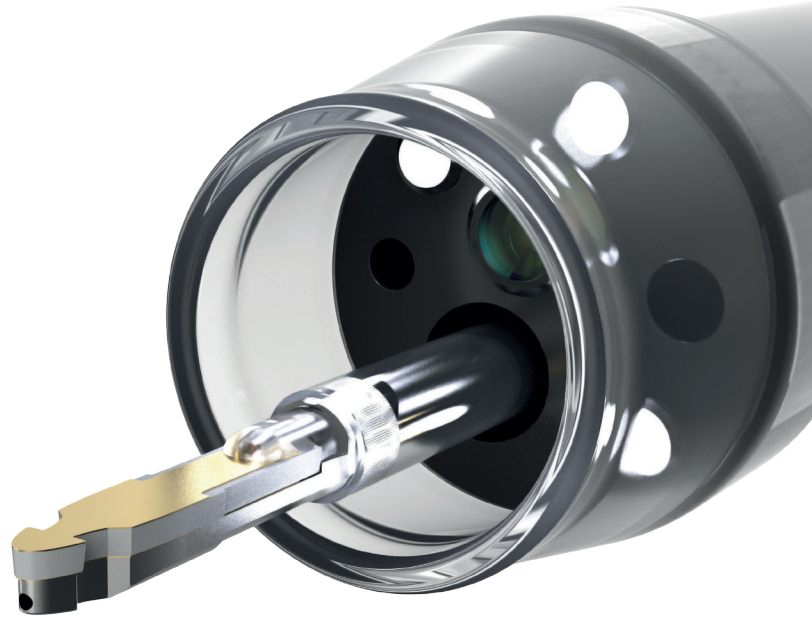
# Speedboat Technology



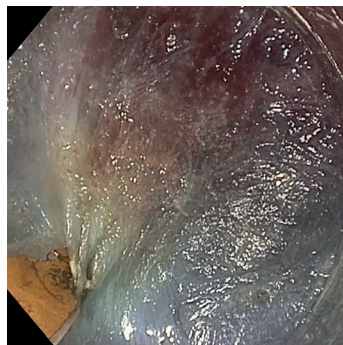
## Speedboat™ Notch

Speedboat Notch provides the same innovative functionality as the Speedboat UltraSlim with additional unique key features:

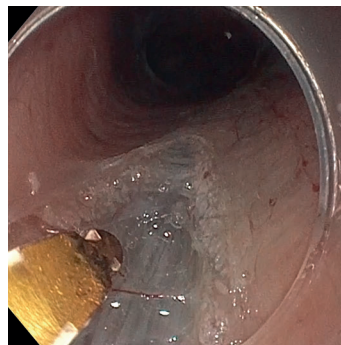
- Advanced tissue traction provides **precision and control**
- Precise tissue dissection provides **controlled cutting capability**
- Innovative notch tip design for **depth perception**, engineered to provide **safe dissection and coagulation** for haemostasis



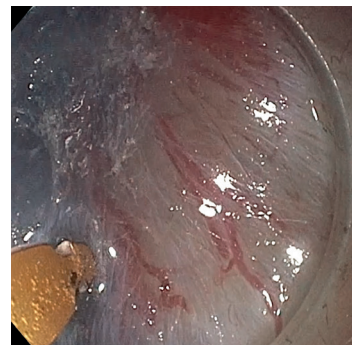
Precise Tissue  
Dissection



Advanced Tissue  
Traction



Innovative Notch Tip Design  
for Depth Perception



“Speedboat UltraSlim has been a gamechanger for the treatment of patients requiring a circumferential ESD in the oesophagus”

*Dr Adolfo Parra-Blanco, Nottingham University Hospitals NHS Trust, UK*

“Finally I got the product I was waiting for, and I want the world to know!”

*Dr Sergei Vosko, Hadassah Medical Center, Israel*



# SpydrBlade Flex: Versatility

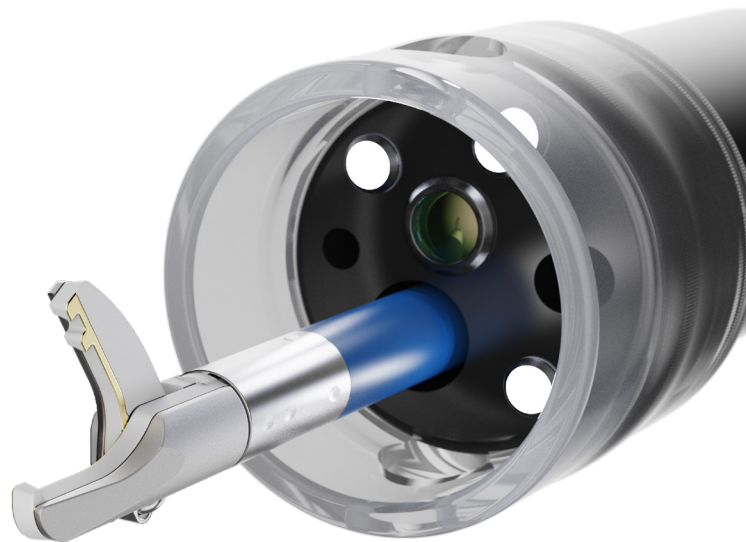


**SpydrBlade™**  
Flex

## The most versatile dissection tool in flexible endoscopy

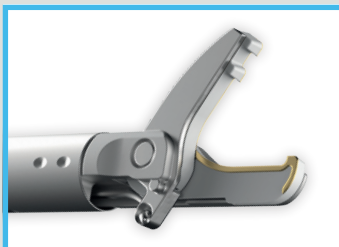
The SpydrBlade™ Flex is a unique multi-modal endoscopic device designed for precision and adaptability in endoscopic procedures.

It integrates CROMA's innovative advanced bipolar RF cutting technology with super high-frequency (SHF) 5.8GHz microwave coagulation.

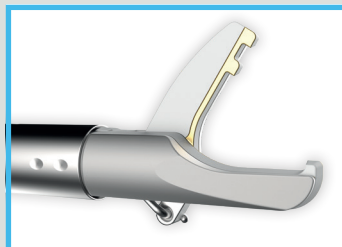


## Precise advanced bipolar RF cutting

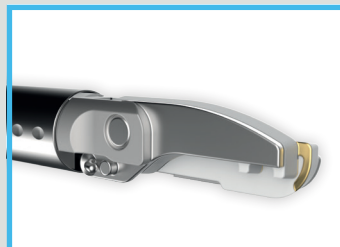
Advanced bipolar energy allows for the cut to be performed with the jaws **opened, closed or through the tip**



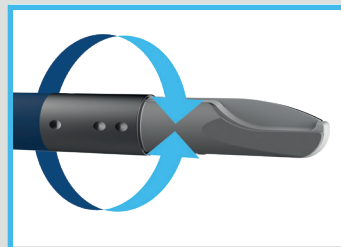
Open or "glide" cut



Snip Cut

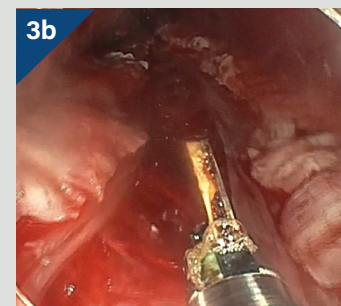
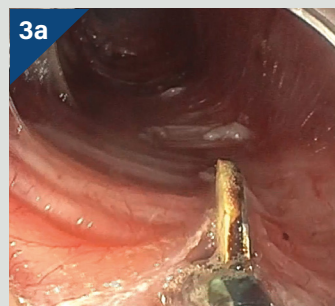
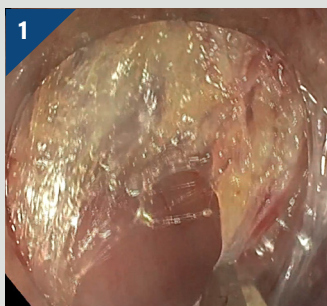


Tip Cut or Hooking



Rotatable

The blade design controls the depth of penetration and provides a focused pathway of energy delivery at lower voltage <460 V. The voltage/current is adjusted based on tissue impedance automatically to maintain power density for a smooth, effective and precise cut.

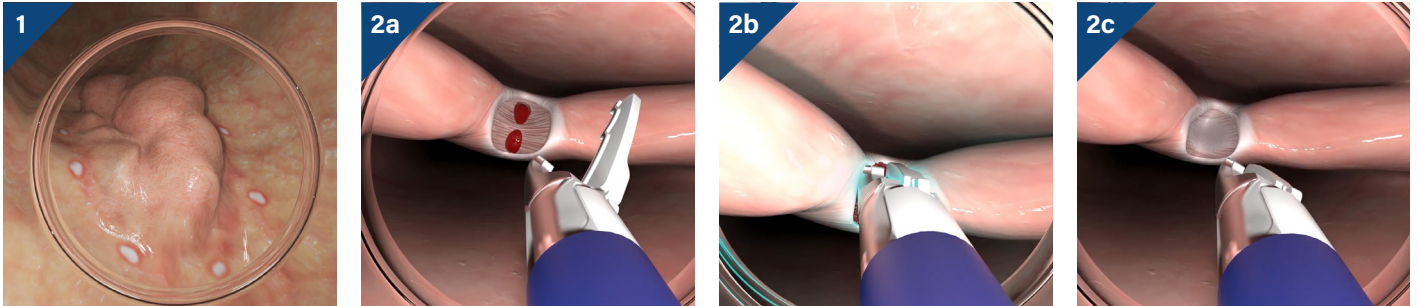


**Images:** 1. Tip Cut 2. Open/Close cut (Snip) 3a/b. Open Cut

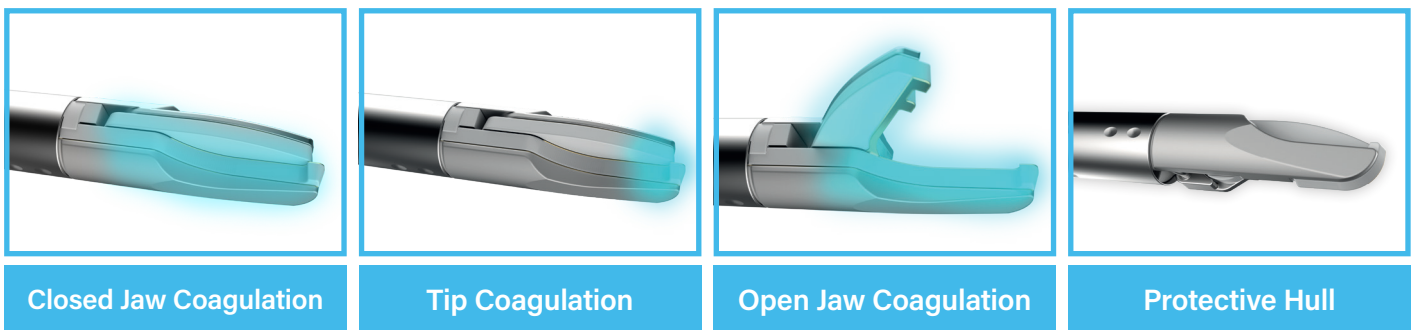
# SpydrBlade Flex: Precision

## Controlled SHF microwave coagulation

Microwave energy is delivered through both jaws allowing for application of energy **between the jaws or through the distal end.**



**Images: 1.** Tissue marking with coagulation through the tip **2a-c.** Coagulation through the jaw closed



Minor technical modifications simplify the Z-POEM technique, and the incorporation of bipolar technology reduces the risk of complications and can be used in patients with implantable devices. This approach could make the Z-POEM technique more accessible to endoscopists with less experience in third-space endoscopic procedures.<sup>7\*</sup>

*First author: Dr. Eduardo Albéniz, Hospital Universitario de Navarra (HUN), Spain.*



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## Product Specifications

Specification	Speedboat UltraSlim		Speedboat Notch		SpydrBlade Flex
	Long	Short	Long	Short	
Product Reference	PRD-SB1-001	PRD-SB1-002	PRD-SB1-003	PRD-SB1-004	PRD-RG1-001
Min. Scope Channel Size	2.8 mm		2.8 mm		3.2 mm
Max Catheter Size	2.35 mm		2.4 mm		2.7 mm
Working Length / Full Length	1.9 m / 2.3 m	1.25 m / 2.3 m	1.9 m / 2.3 m	1.25 m / 2.3 m	1.8 m / 1.8 m
Advanced Bipolar RF (Cut)	15 - 35 Watts		15 - 35 Watts		15 - 35 Watts
Super High Frequency Microwave (Coag)	08 - 10 Watts		08 - 10 Watts		10 Watts

## References

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2. Microwave coagulation of blood vessels during advanced colonoscopic polypectomy: first results in humans. Zacharias P. Tsiamoulos et al. published in United European Gastroenterology Journal; 2016; 2 (Supplement 1). [https://www.giejournal.org/article/S0016-5107\(17\)31361-5/pdf](https://www.giejournal.org/article/S0016-5107(17)31361-5/pdf)
3. A new approach to endoscopic submucosal tunneling dissection: the "Speedboat-RS2" device. Zacharias P. Tsiamoulos et al. published in Endoscopy. <https://www.thieme-connect.de/products/ejournals/html/10.1055/a-0875-3352>
4. Endoscopic submucosal tunneling dissection: use of a novel bipolar radiofrequency and microwave-powered device for colorectal endoscopic submucosal dissection. Thomas R. McCarty, Hiroyuki Aihara. Published in Video GIE, official video journal of the American Society of Gastrointestinal Endoscopy. [https://www.videogie.org/article/S2468-4481\(20\)30090-4/fulltext](https://www.videogie.org/article/S2468-4481(20)30090-4/fulltext)
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6. Cost-effectiveness analysis of Speedboat submucosal dissection in the management of large non-pedunculated colorectal polyps, based on 50 patients. Authors: Amir Ansari-pour, Mehdi Javanbakht, Adam Reynolds, Zacharias Tsiamoulos. Data on file.
7. Simplified Zenker's diverticulum endoscopic myotomy performed with a new bipolar scissor device. Eduardo Albéniz et al. Published in Endoscopy; 2025 Jul 1;57(Suppl 1):E682–E683. <https://pmc.ncbi.nlm.nih.gov/articles/PMC12213111/>

Visit: [www.creomedical.com](http://www.creomedical.com) for more information

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