

Advances in Interventional Gastroenterology

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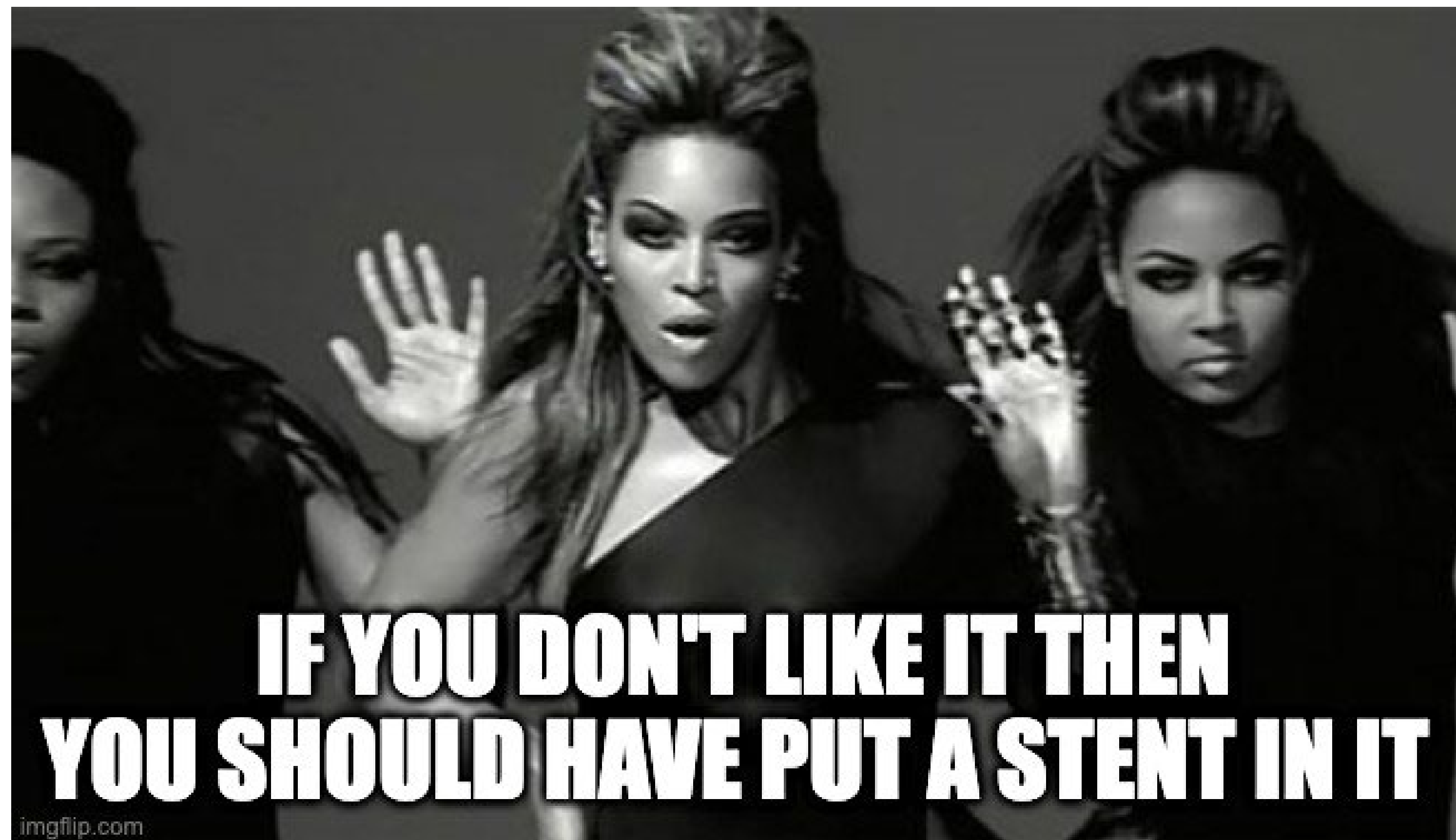
Disclosure

- I have NO financial disclosure or conflict of interest relevant to the presentation
- All animations and videos are not mine

Objectives

- What's new in therapeutic EUS
 - Bypass obstructions
 - Access for Interventions
 - Drainage Procedures
 - Vascular Interventions
- Options for Advanced Resection
 - Endoscopic Full thickness resection
 - Submucosal tunneling and endoscopic resection
 - Endoscopic Full thickness Resection
 - Natural orifice transluminal endoscopic surgery
- POEM for treating various gastrointestinal disorders
- Defect Closure
 - Suturing
 - Clips

Therapeutic EUS

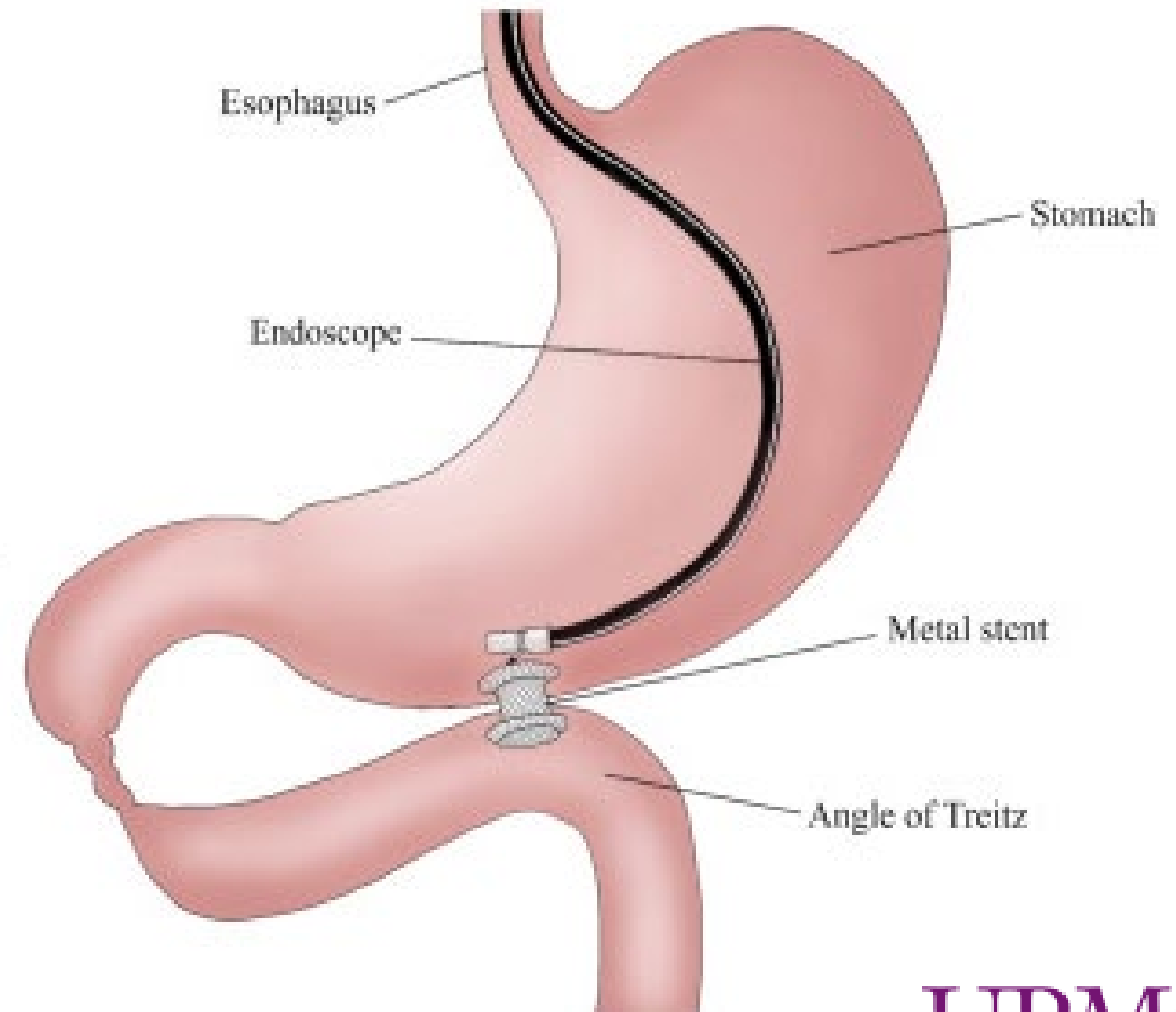




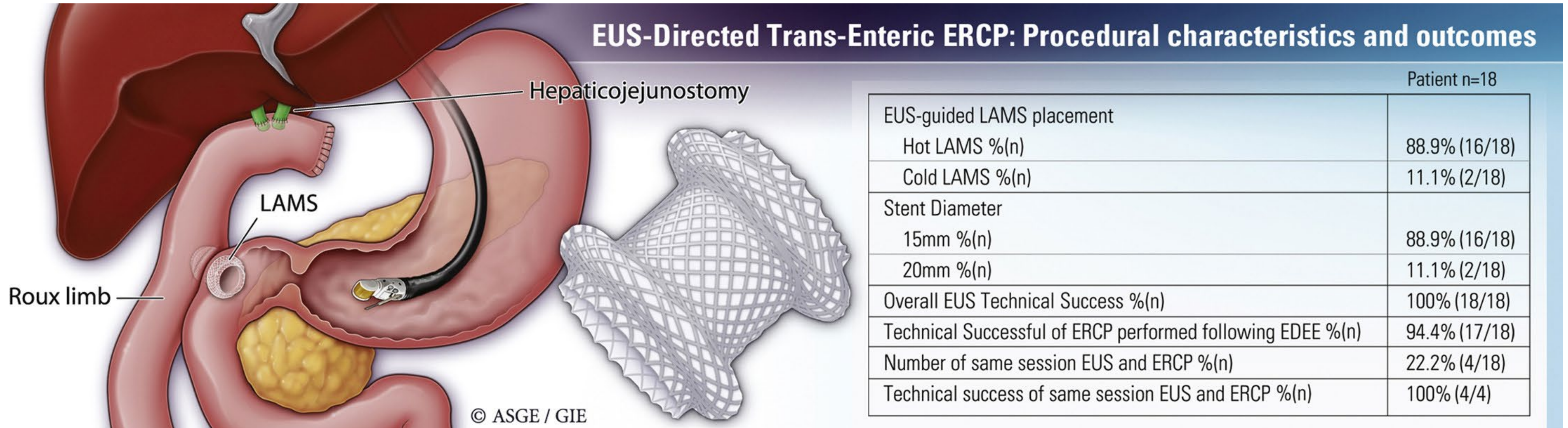
Bypass Blockages

- Gastric Outlet Obstructions

B) EUS-guided Gastrojejunostomy

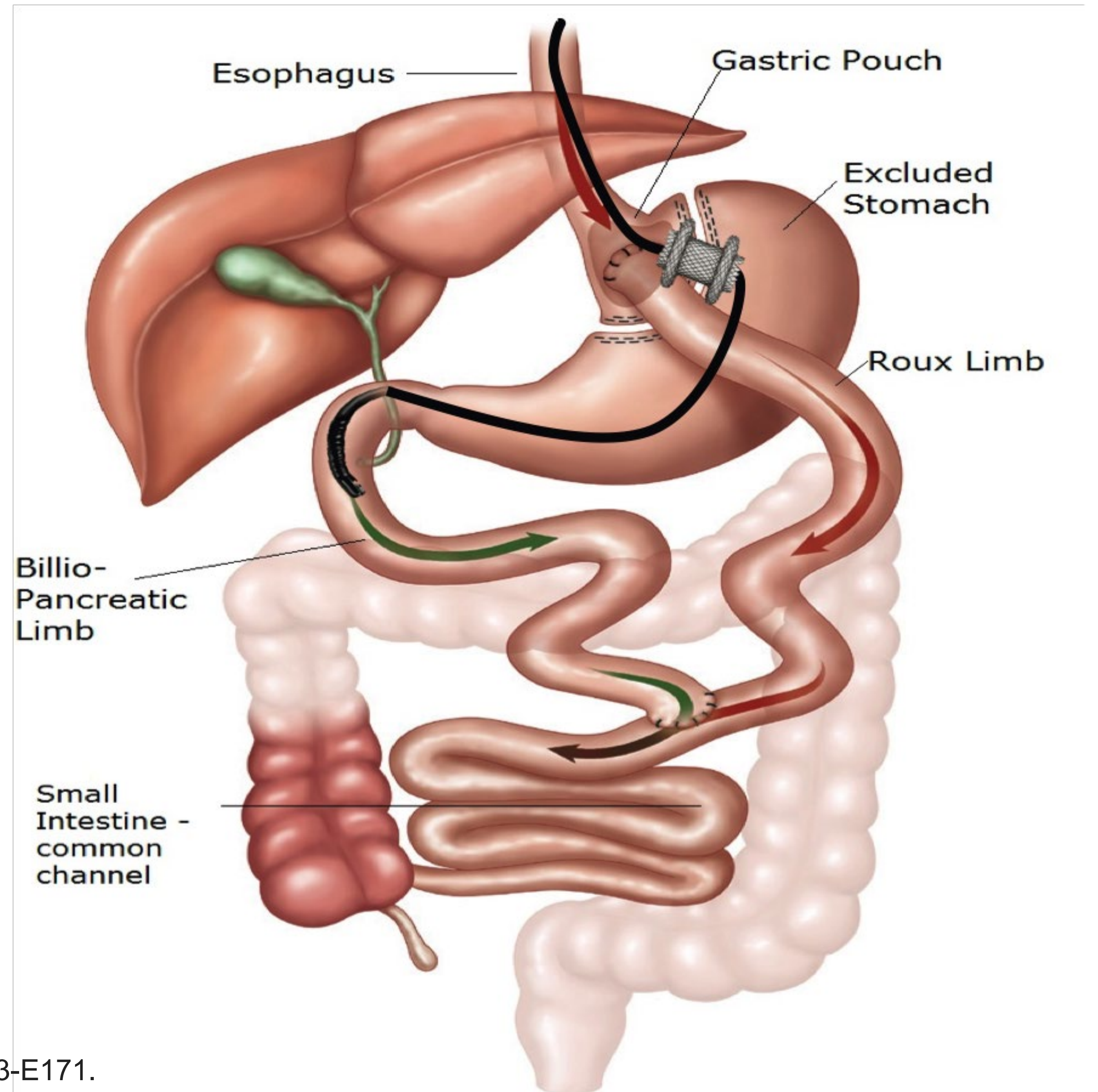


Bypass Blockages



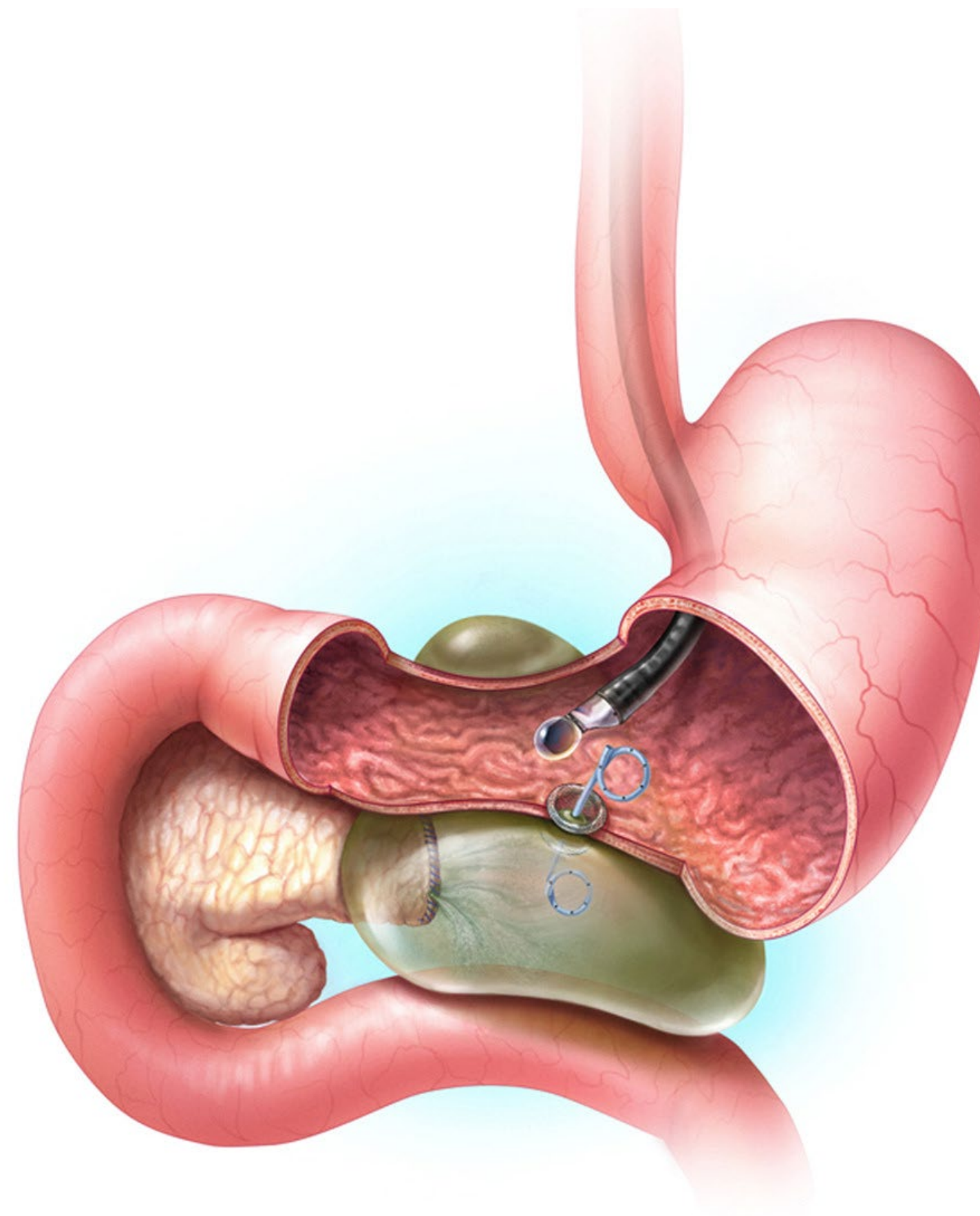
Access for Interventions

- EDGE Procedure



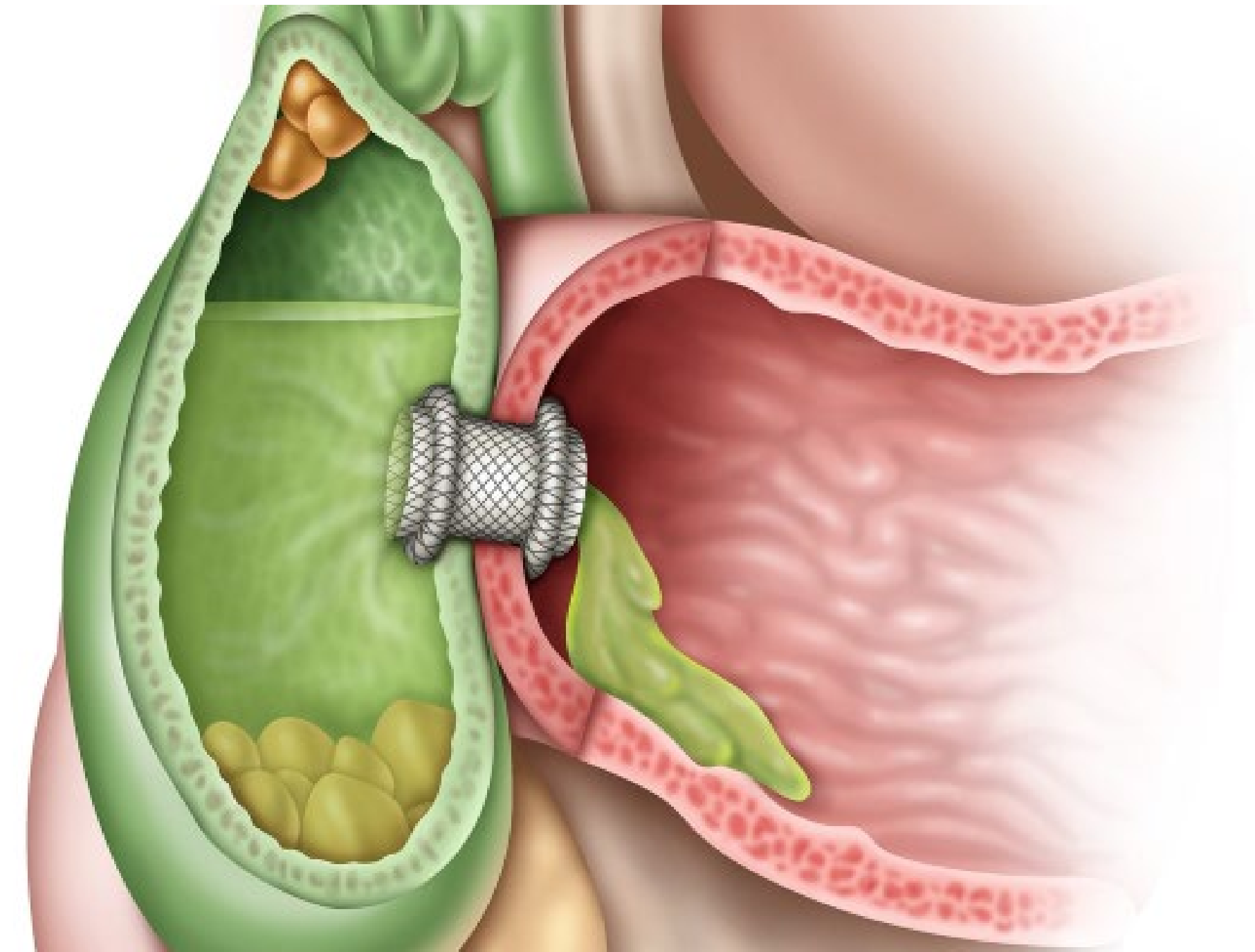
Drainage Procedures

- Pancreatic Pseudocyst/WOPN
- Post surgical collections



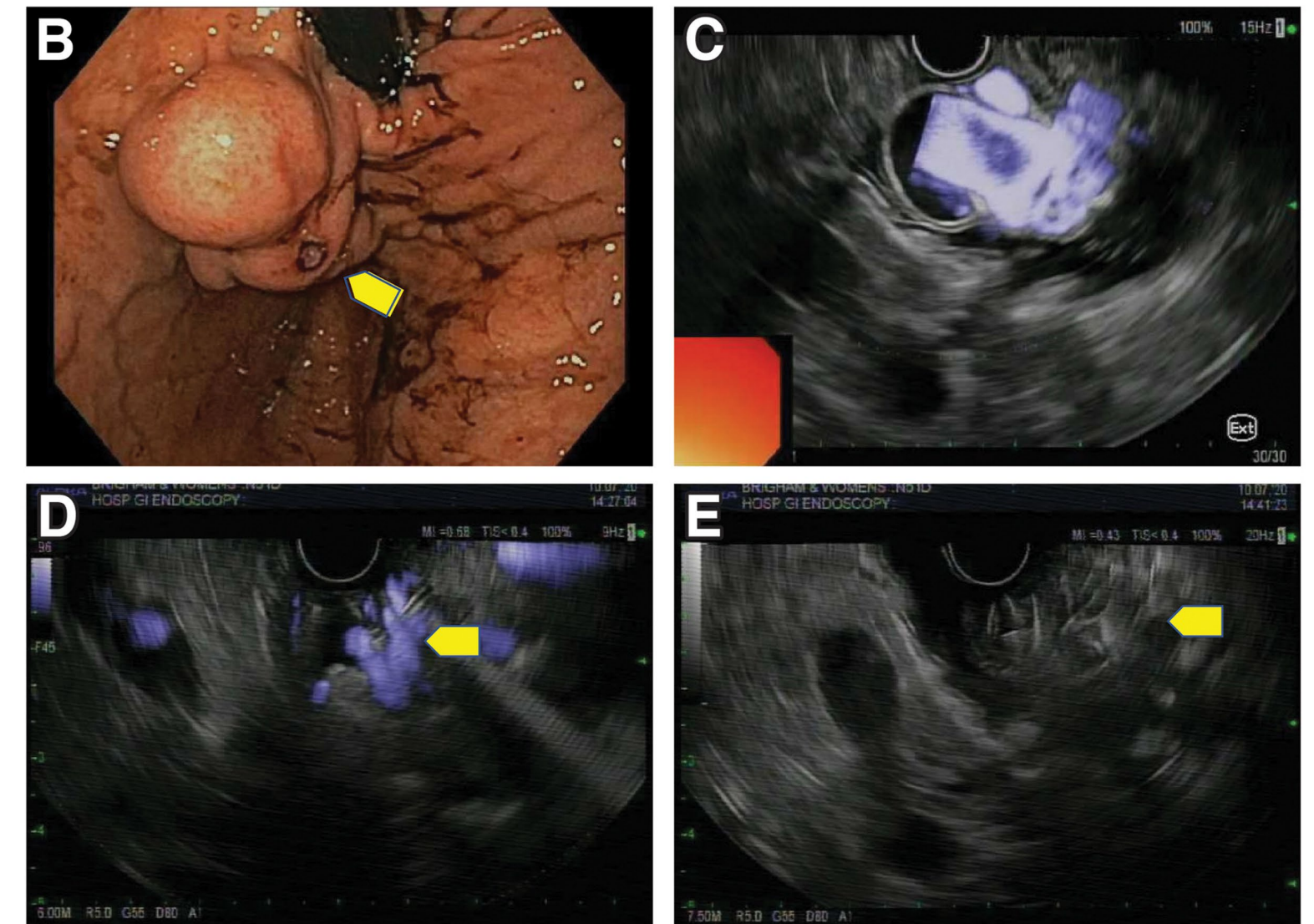
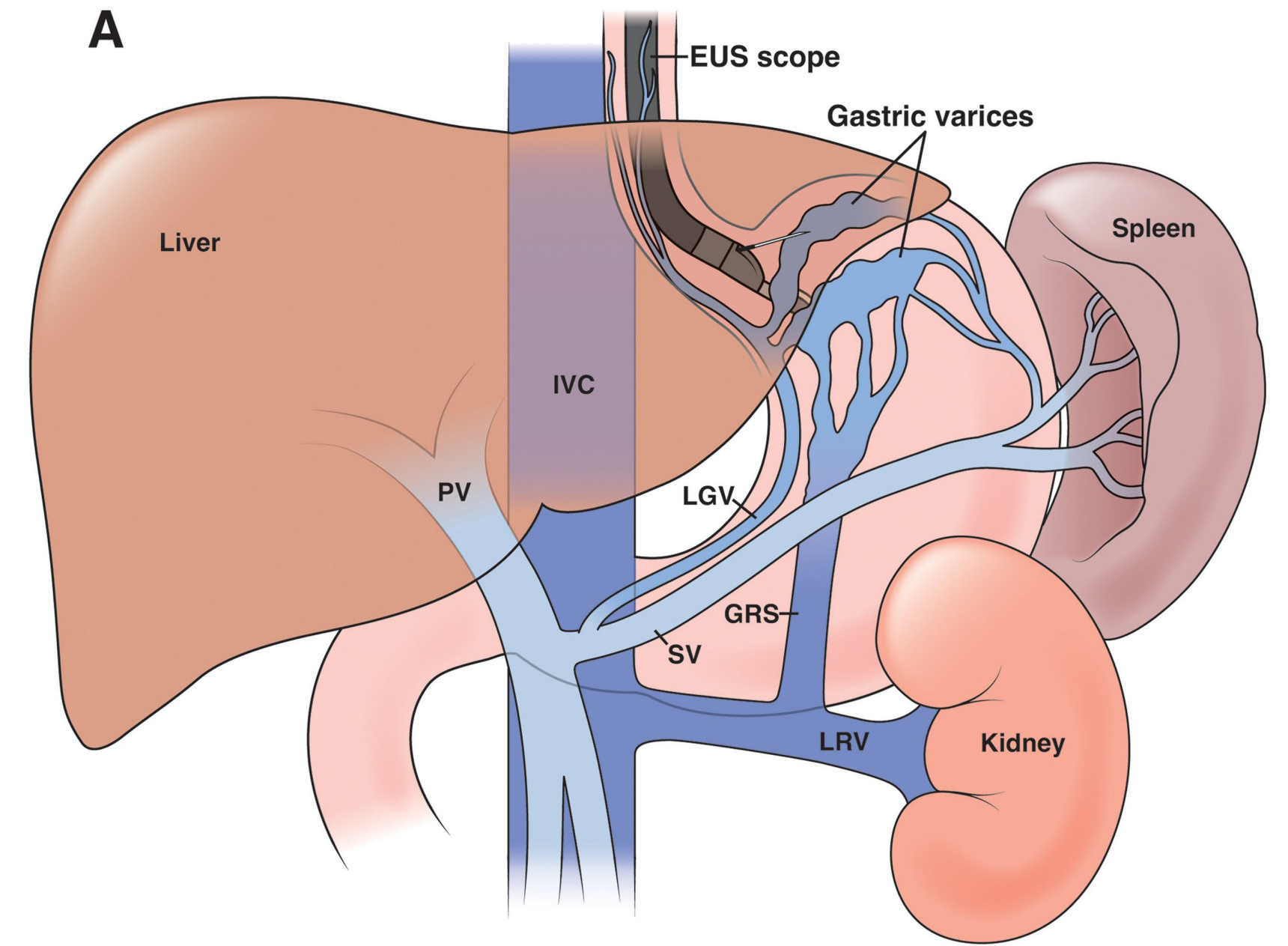
Drainage Procedures

- Choledochoduodenostomy
- Cholecystogastrostomy/duodenostomy
- Hepaticogastrostomy
- Pancreaticogastrostomy



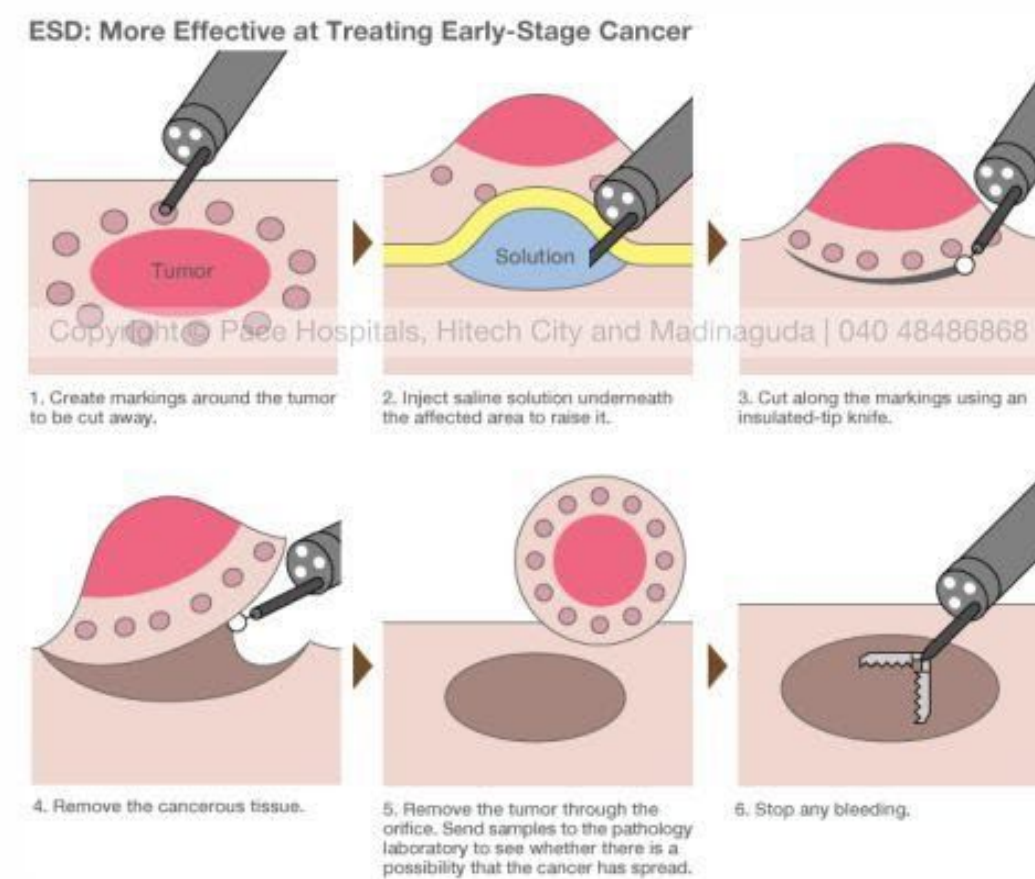
Vascular Interventions

- EUS guided injection/coiling of varices
- PPG measurement
- Interventions for pseudoaneurysm?

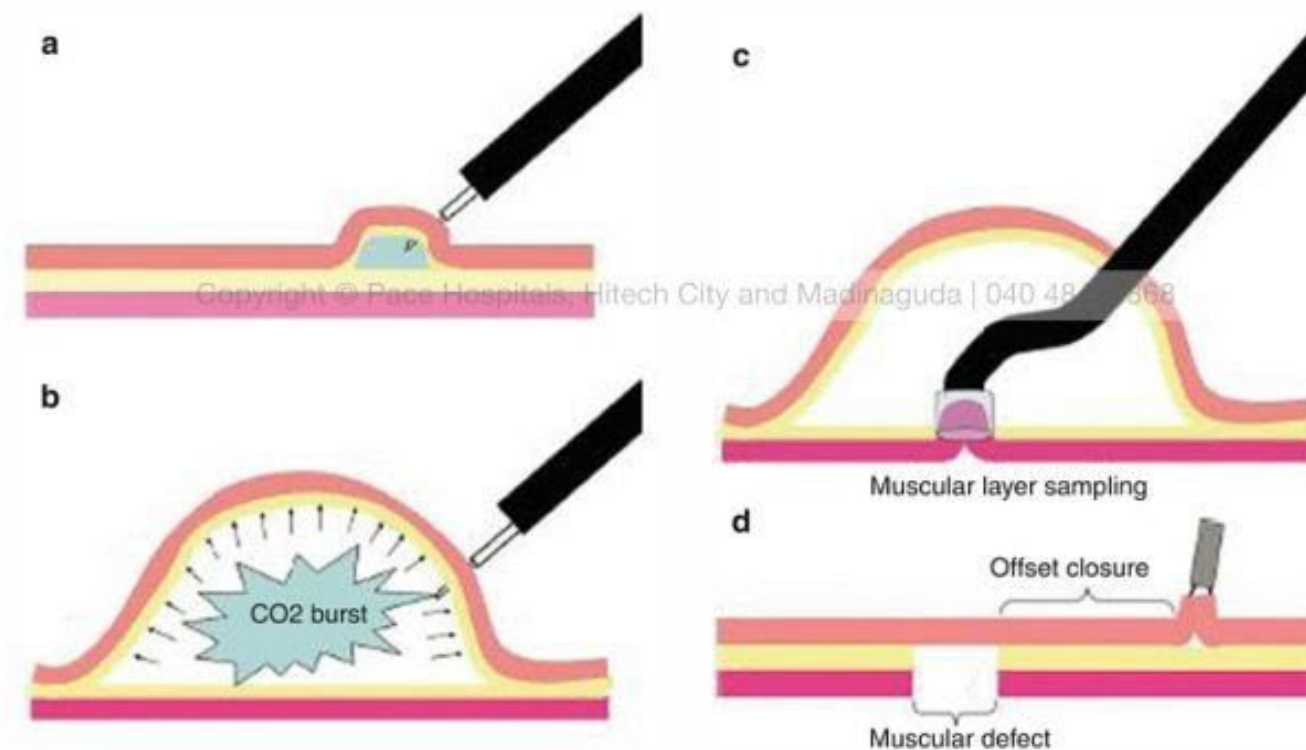


Advanced Resection

- Endoscopic submucosal dissection (ESD)
- Endoscopic full-thickness resection (EFTR)
- Submucosal tunnelling endoscopic resection (STER)



ESD
Endoscopic submucosal
dissection for resection of
tumours



STER
Submucosal tunneling
endoscopic resection for
resection of tumours

Per Oral Endoscopic Myotomy

Myotomy of the LES - **Achalasia**

Myotomy of the Esophageal MP – **Spastic disorders**

Cricopharyngeal Myotomy – **Zenker's , CP bar**

Diverticular Rim Motomy – **Esophageal diverticulum**

Pyloric Sphincter Myotomy- **Gastroparesis**

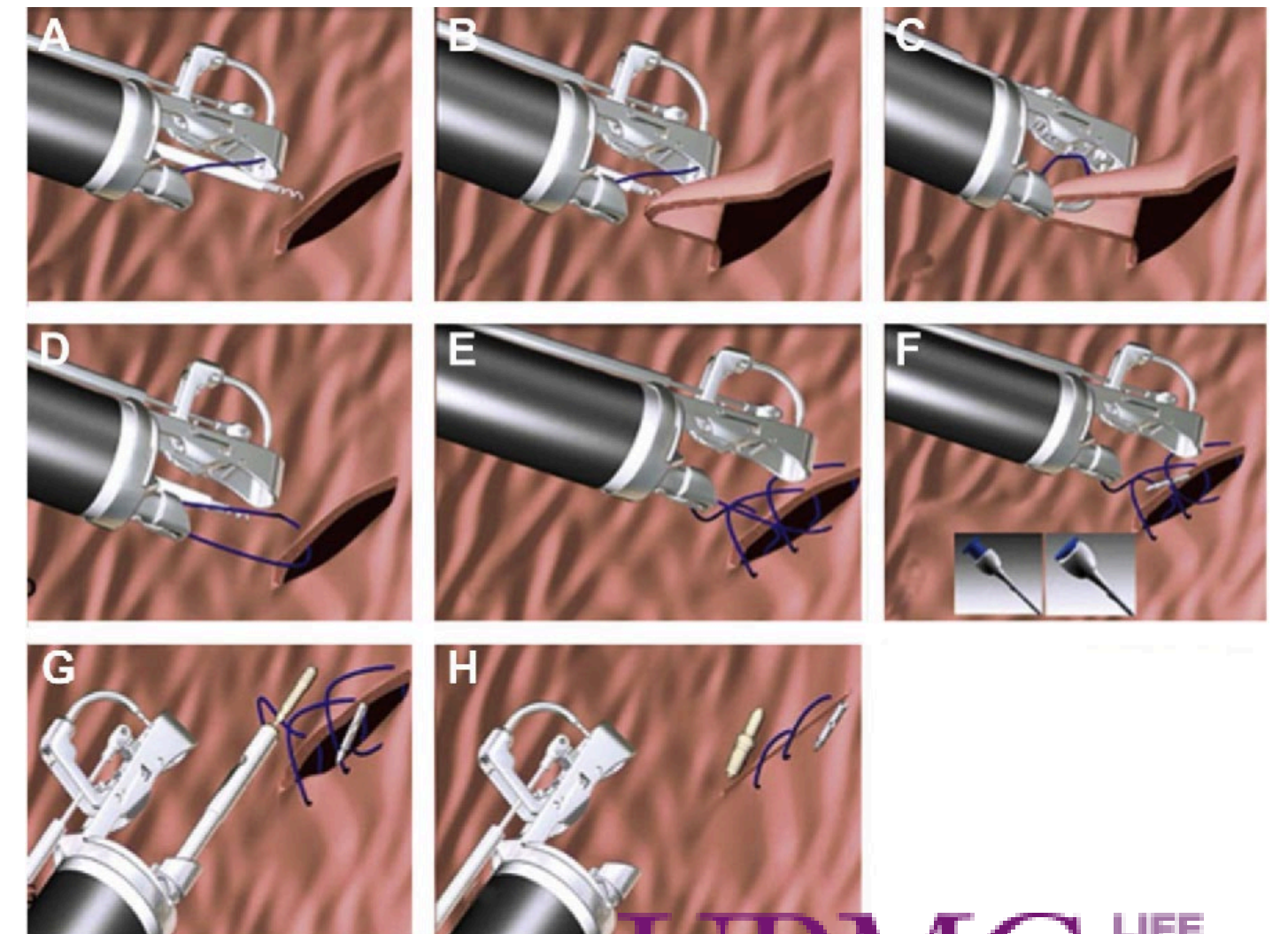
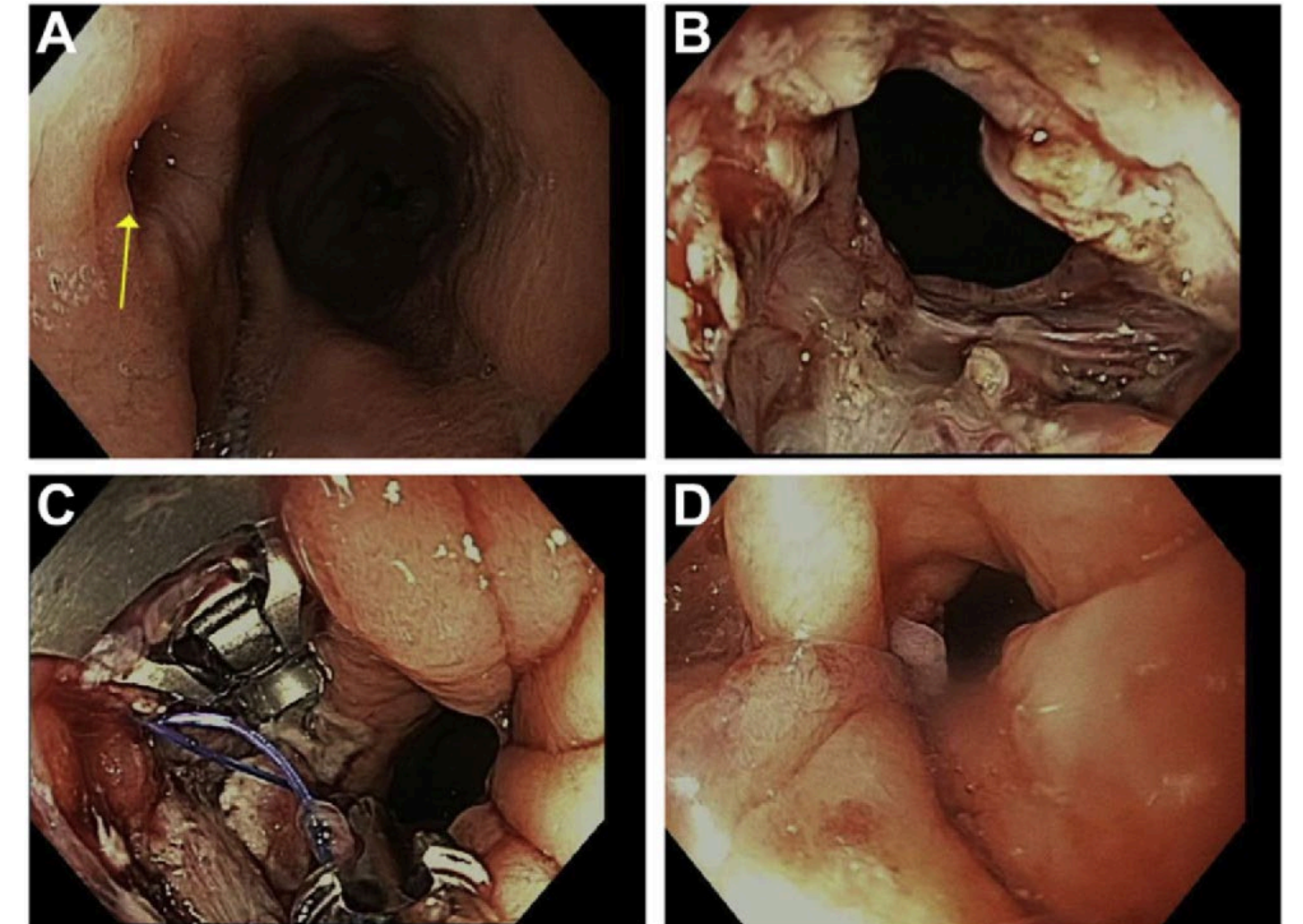
Myotomy to Access for Fundoplication- **GERD**

Rectal Myotomy - **Hirschsprung's disease**



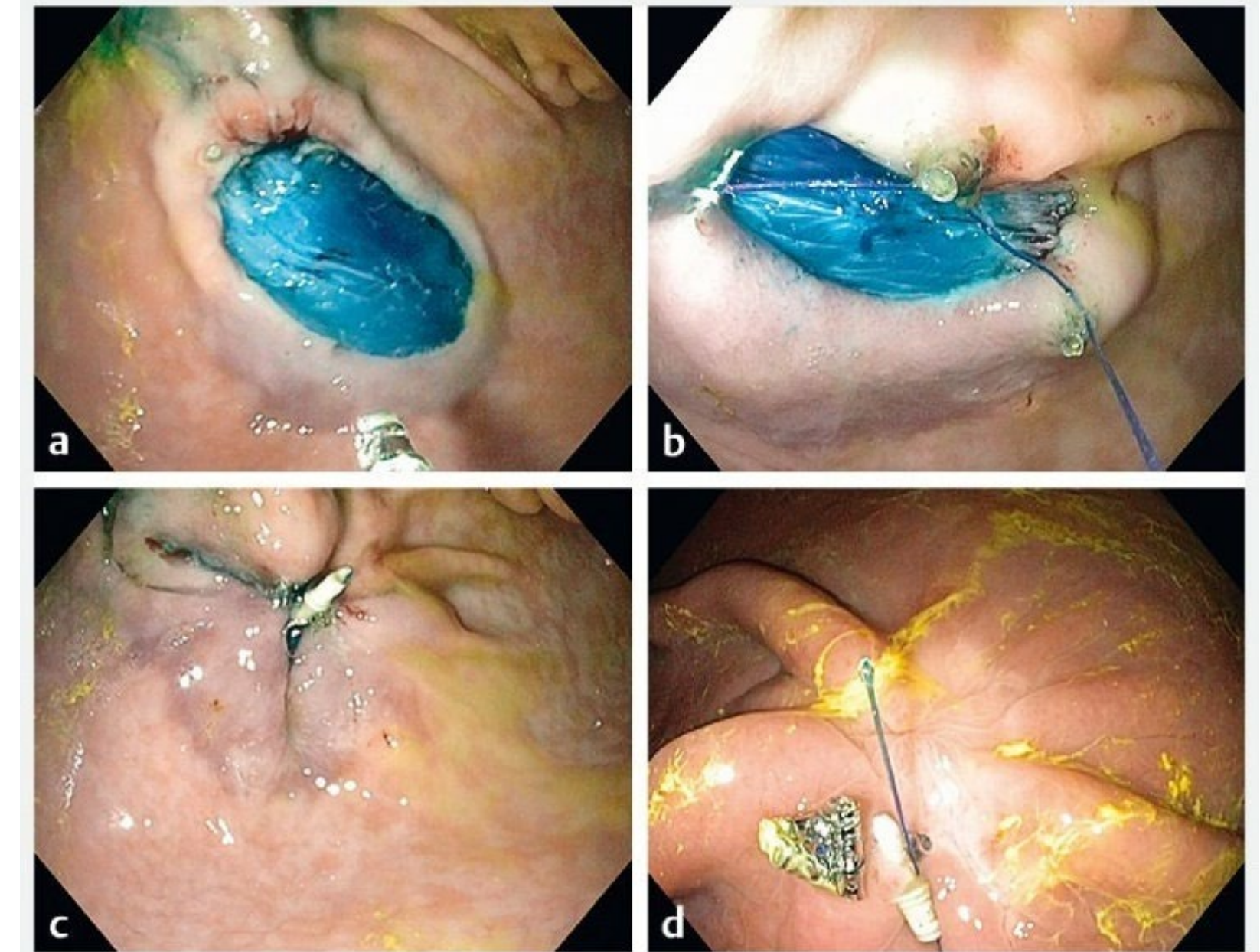
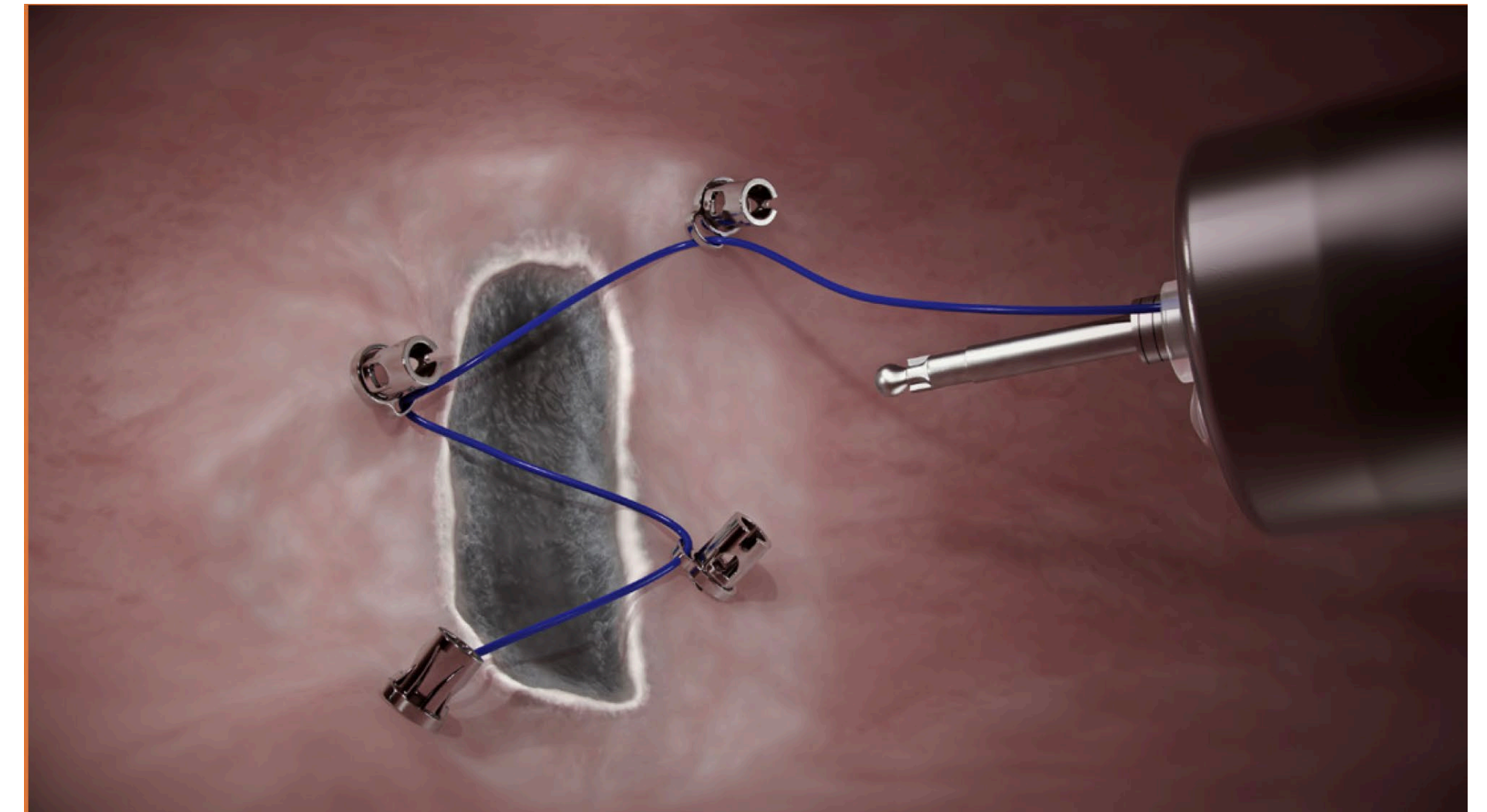
Closure Devices

- Endoscopic suturing
 - OverStitch™ Endoscopic Suturing System



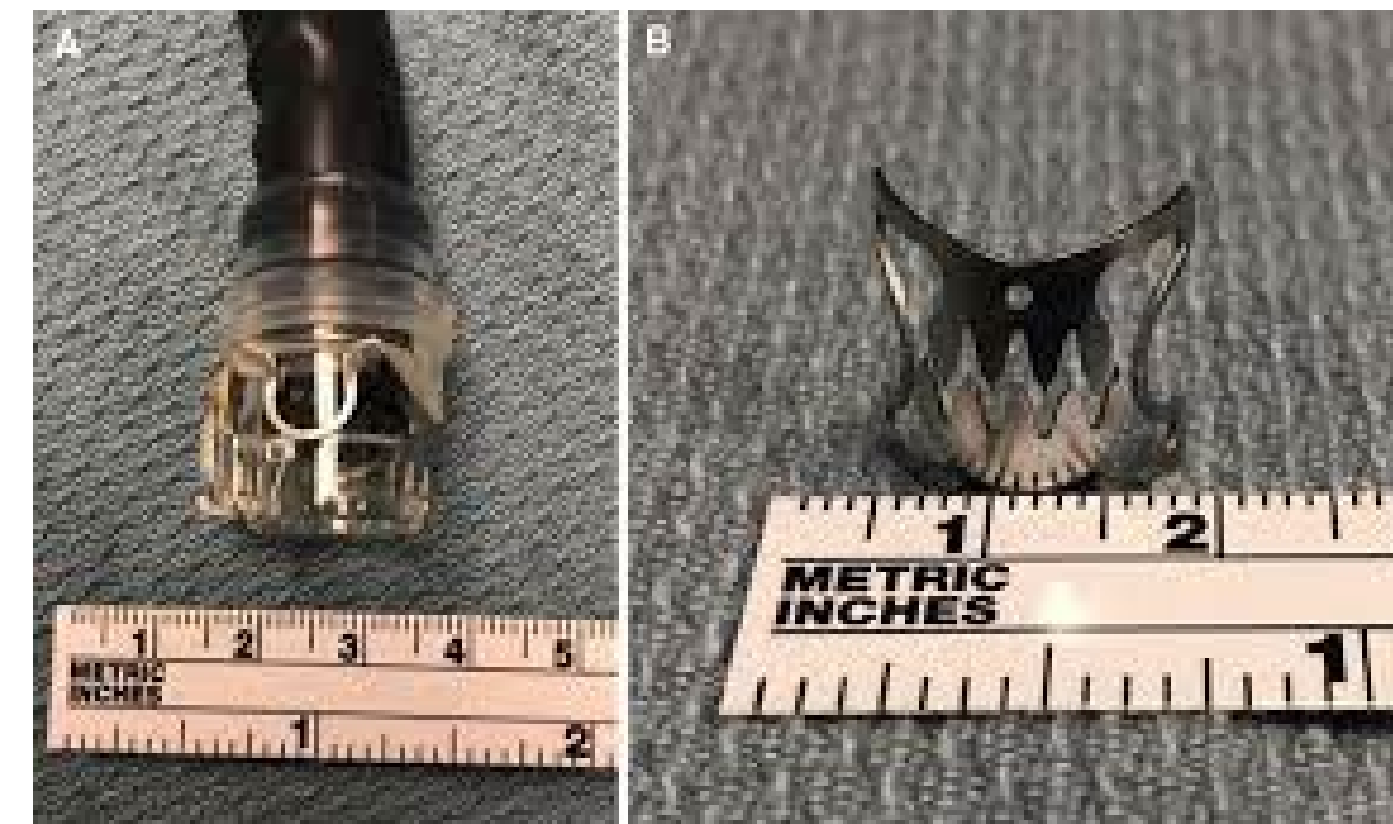
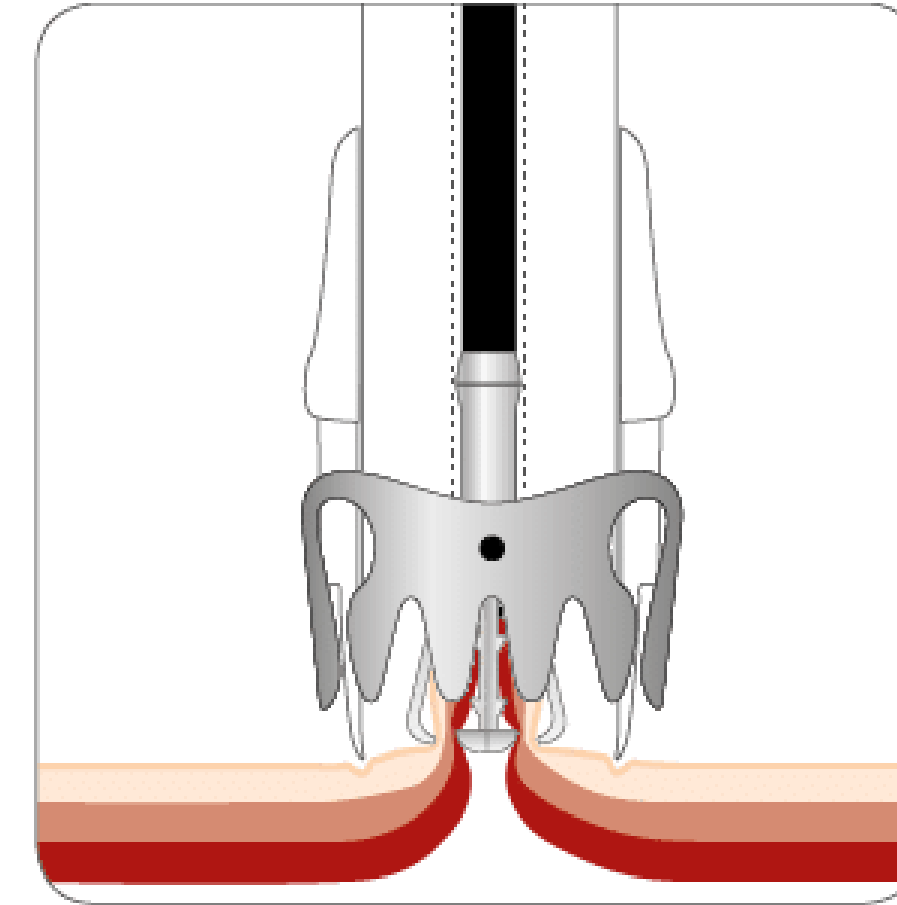
Closure Devices

- Endoscopic suturing
 - X-Tack Endoscopic HeliX Tacking System



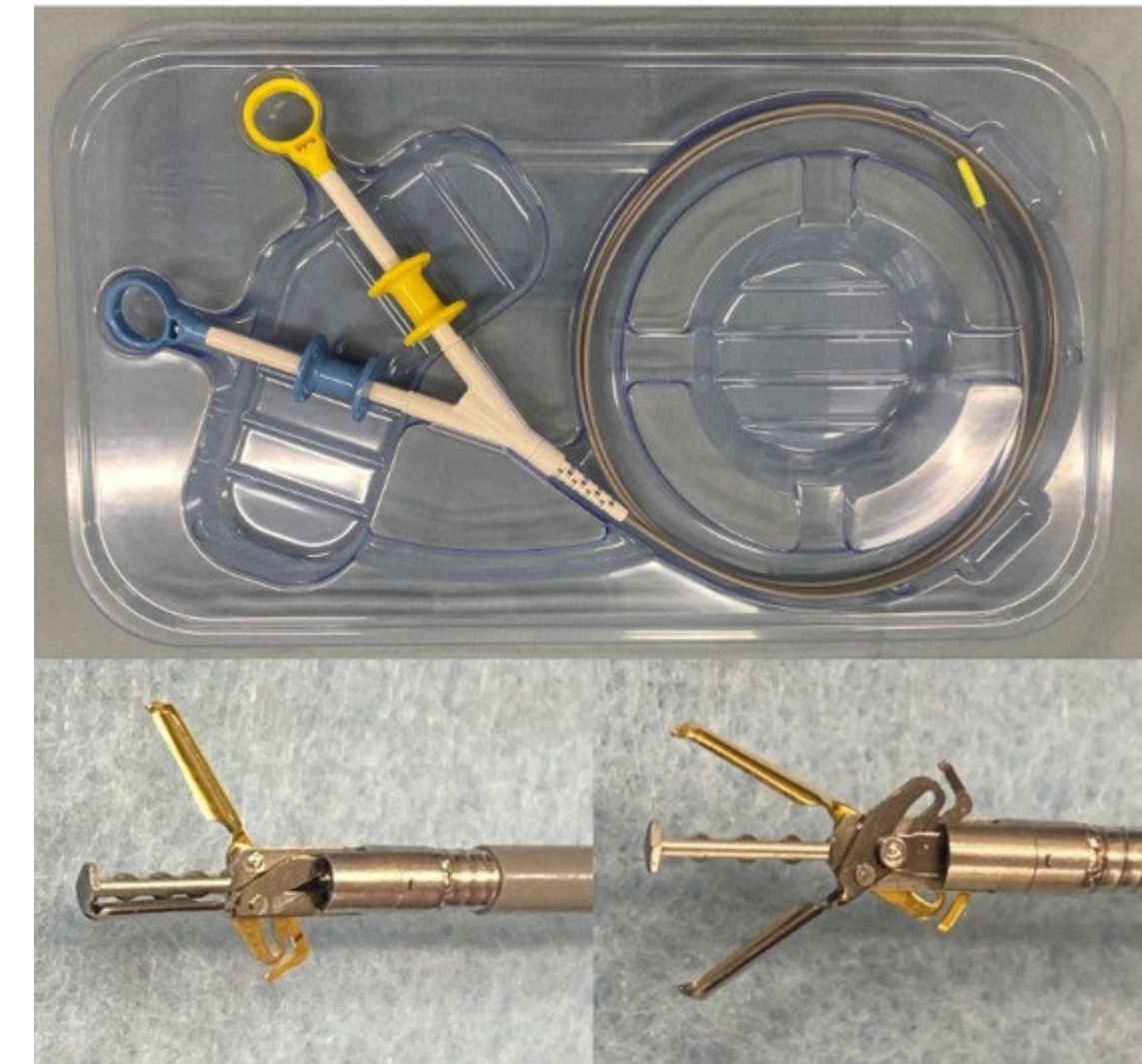
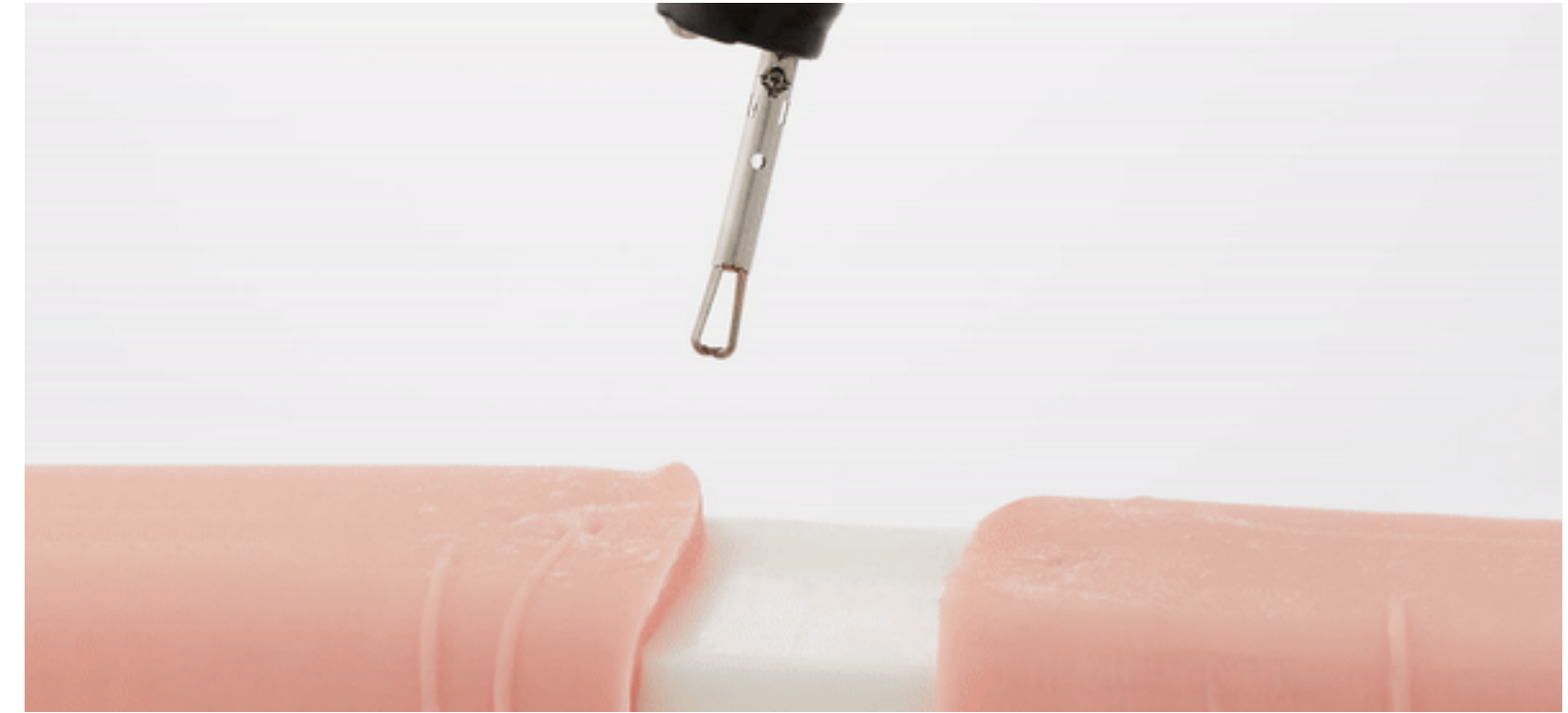
Closure Devices

- Endoscopic Clips
 - Over the scope clip



Closure Devices

- Endoscopic Clips
 - Dual action clip
 - Mantis clip



- VideoGIE, Volume 7, Issue 11, 389 – 391
- Downloaded from Boston Scientific website

Conclusion



Conclusion

- Advances in interventional EUS now offer minimally invasive solutions for conditions that once required surgery, expanding treatment options and reducing recovery times.
- Larger and transmural lesions can now be removed endoscopically with access to reliable closure devices.
- Third space endoscopy has transformed endoscopic myotomy by offering an alternative to surgical management



QUESTIONS?



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