

Robotic Integration of Magnetic Anastomosis Early US Clinical Experience

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Disclosures

- Teleflex
- Intuitive Surgical
- GT Metabolic
- Suture Ease
- Medtronic
- Lexion

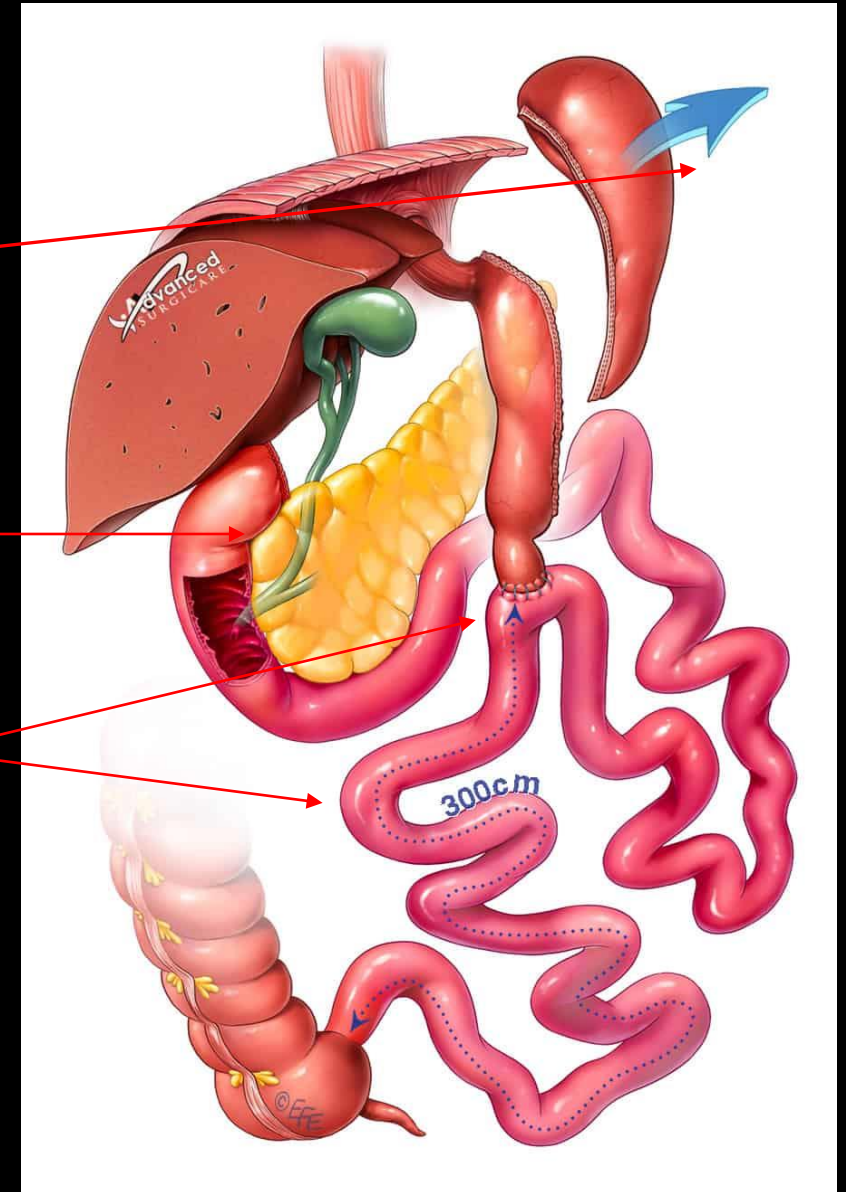
Magnets in Current Bariatric Practice

- My Experience
- Performed the First Magnetic Duodenal-ileostomy after FDA approval – USA
 - November 15, 2024
- November 2024 – August 2026
 - 52 Cases
 - 4 Revision sleeve to Sleeve with Duodenal-ileostomy
 - 1 Revision Lap Band to Lap Band with Duodenal Ileostomy
 - 47 Staged DS
 - First stage Sleeve Gastrectomy with Magnetic Duodenal Ileostomy - Completed
 - Planned Second Stage – Transection of Duodenum for SADI-s
 - 2 reversal of Magnetic Duodenal Ileostomy
 - Chronic Nausea
 - Easily Reversed back to sleeve only
 - All symptoms resolved

Staging the SADI -SADI

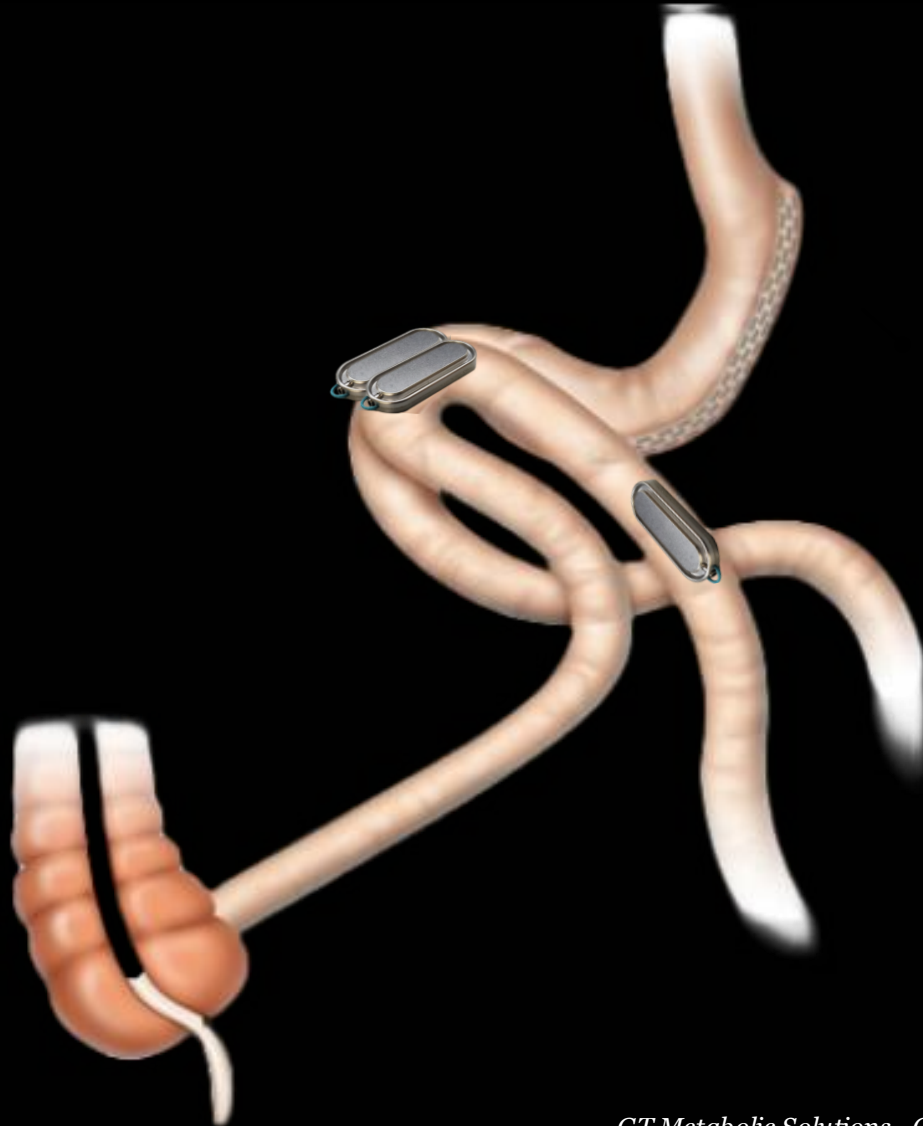
The Ideal Magnetic Bariatric Surgery

- Division of short gastric vessels
- Gastric sleeve resection over a wide bougie
- Dissection of the duodenum down to the GD artery
- Division of the duodenum
- Measurement of the small bowel from the ileocecal valve
- Duodeno-ileal end-to-side anastomosis



Creating a Staged SADI procedure

Magnetic Bariatric Surgery, what are the steps?



Step 1 Direct Delivery of the Magnet into ileum

Step 2 Move the Magnet – 300 cm site

Step 2 Direct Delivery of the Magnet into the duodenum

Step 3 Dock the Magnets

Step 4 Sleeve the Stomach

▲ What Steps Are Staged For Later?

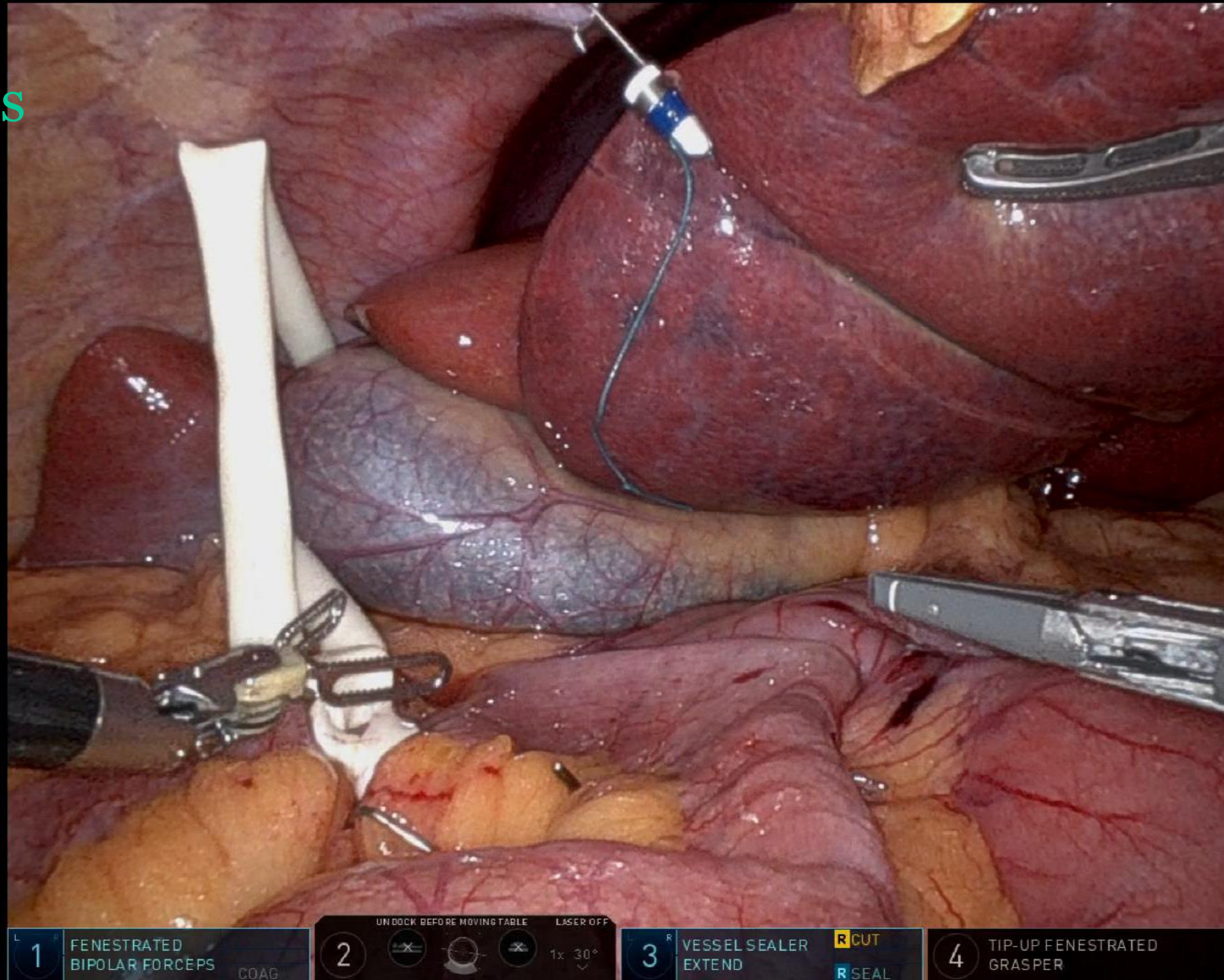
- Dividing the duodenum
- Shortening the Common Channel

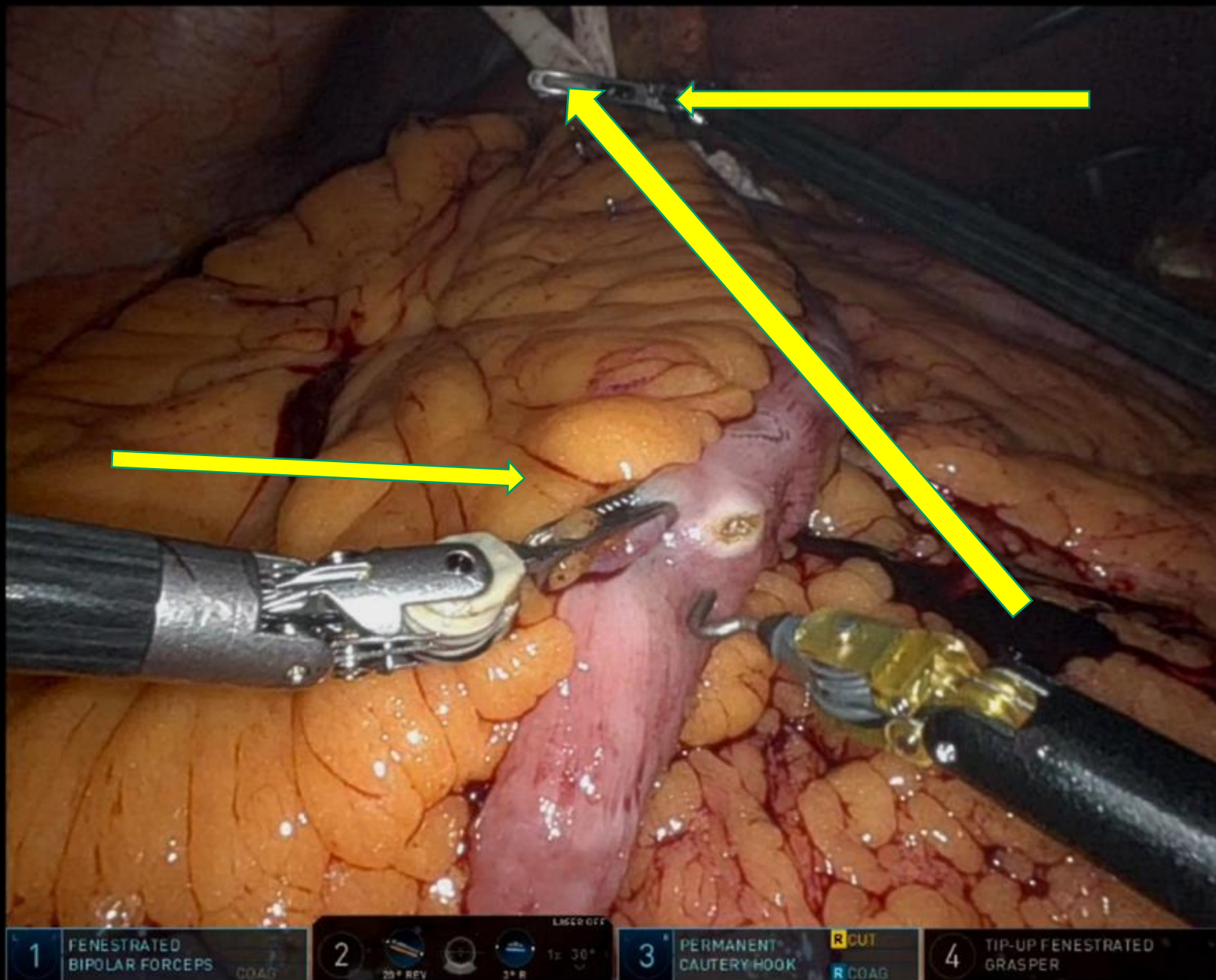
Principles of Robotic Intestinal Magnetic Surgery

- Key Concepts
 - Classic Magnetic Duodenal Ileostomy (MAGDi)
 - Swallowing Magnets
 - Surfing Magnets
 - Endoscopic Delivery of Duodenal Magnets
 - Robotic Magnetic Duodenal Ileostomy
 - Robotic **Direct Entry** of Intestinal Magnet (swallowing is eliminated)
 - Hammock Technique to suspend and Dock Magnets (Magnetic Positioning Wand is eliminated)
 - **Direct Entry** of Duodenal Magnet via Small Gastrotomy (Endoscopic Delivery is eliminated)

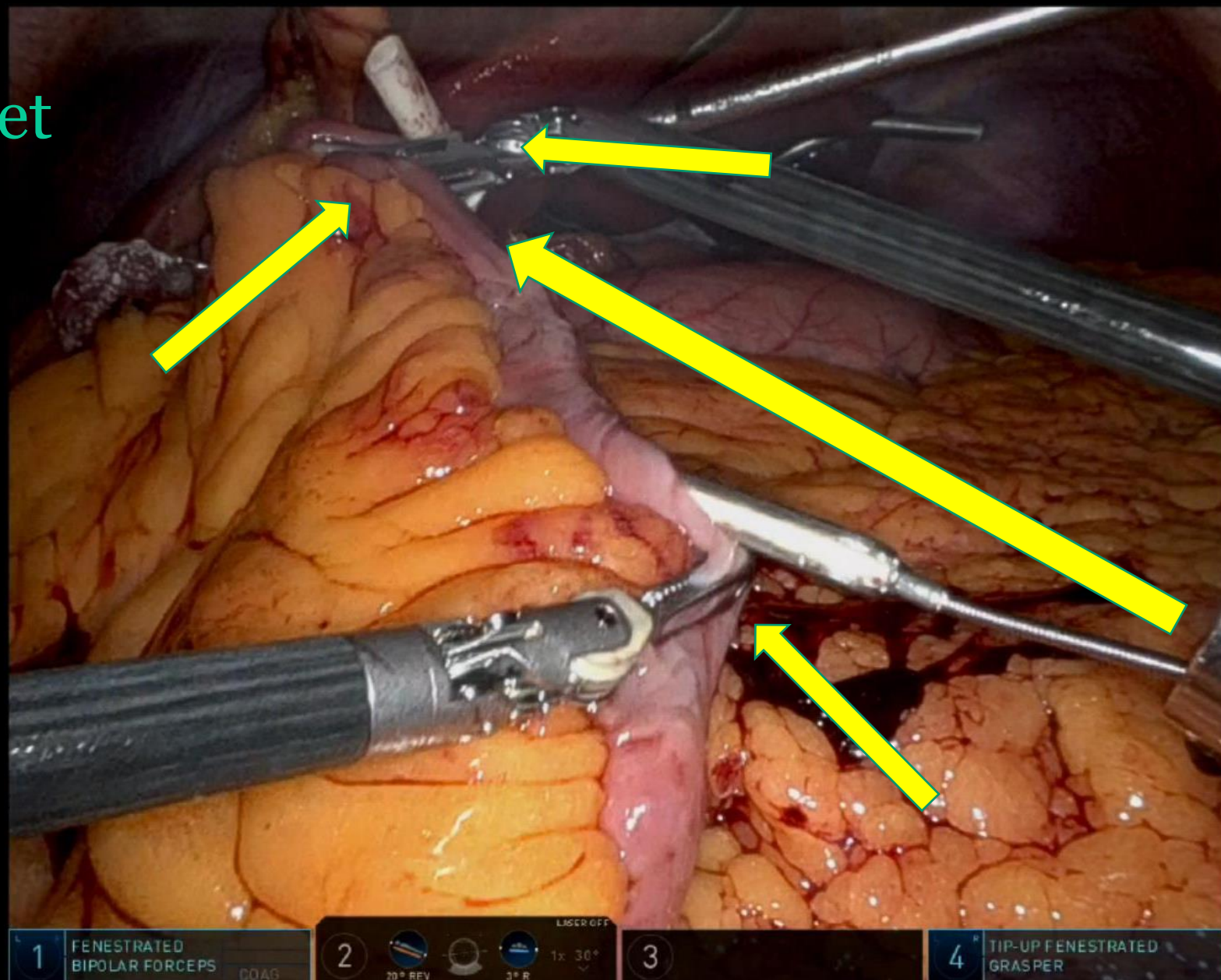
Robotic Sleeve Plus

- Key Concepts
 - Eliminate Swallowing
 - Eliminate Radiology
 - On Time OR Start
- Economics “Cost”
 - Eliminate Endoscopy
 - Less OR Time
 - Improved Overall Cost

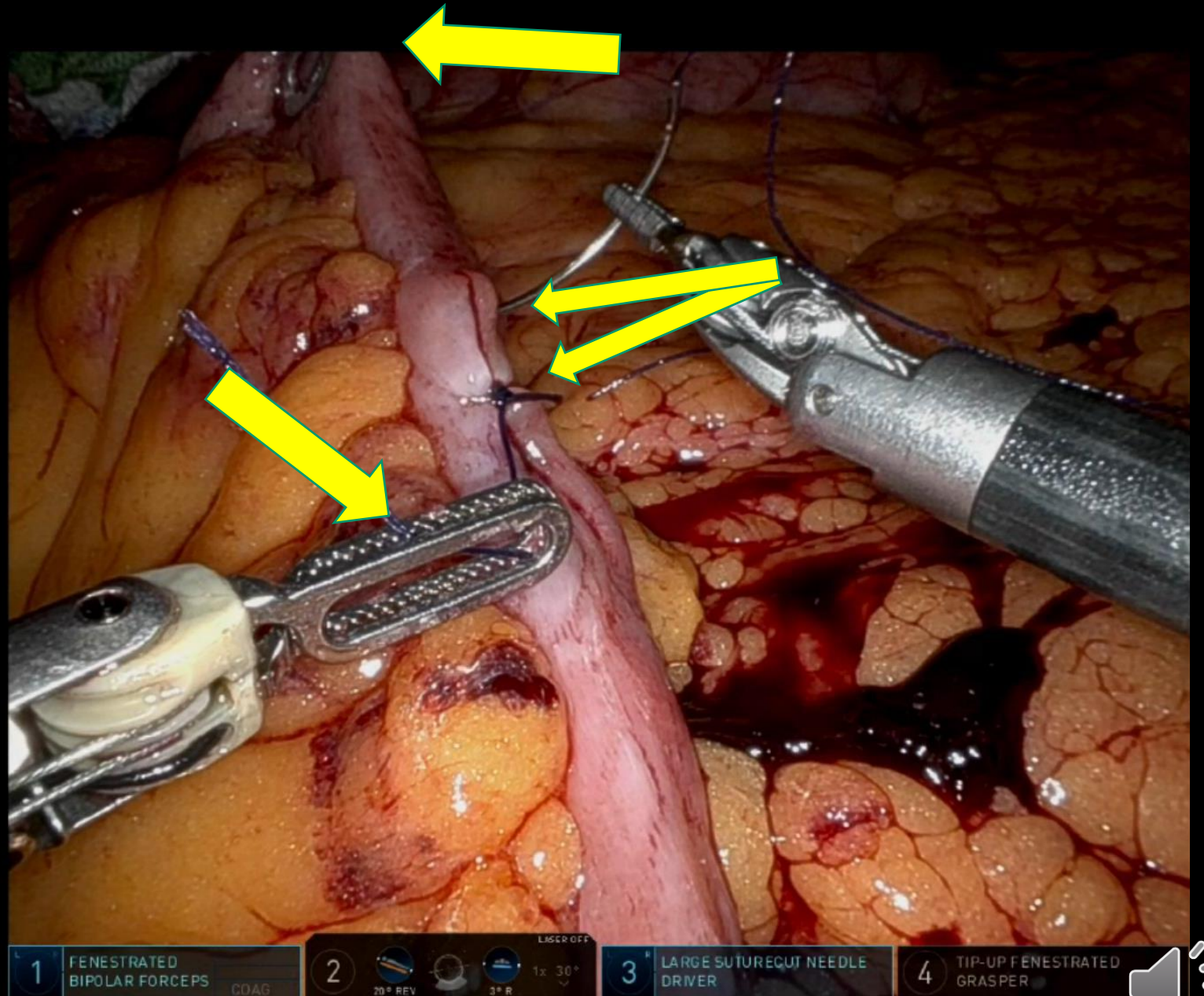




Deliver the First Magnet



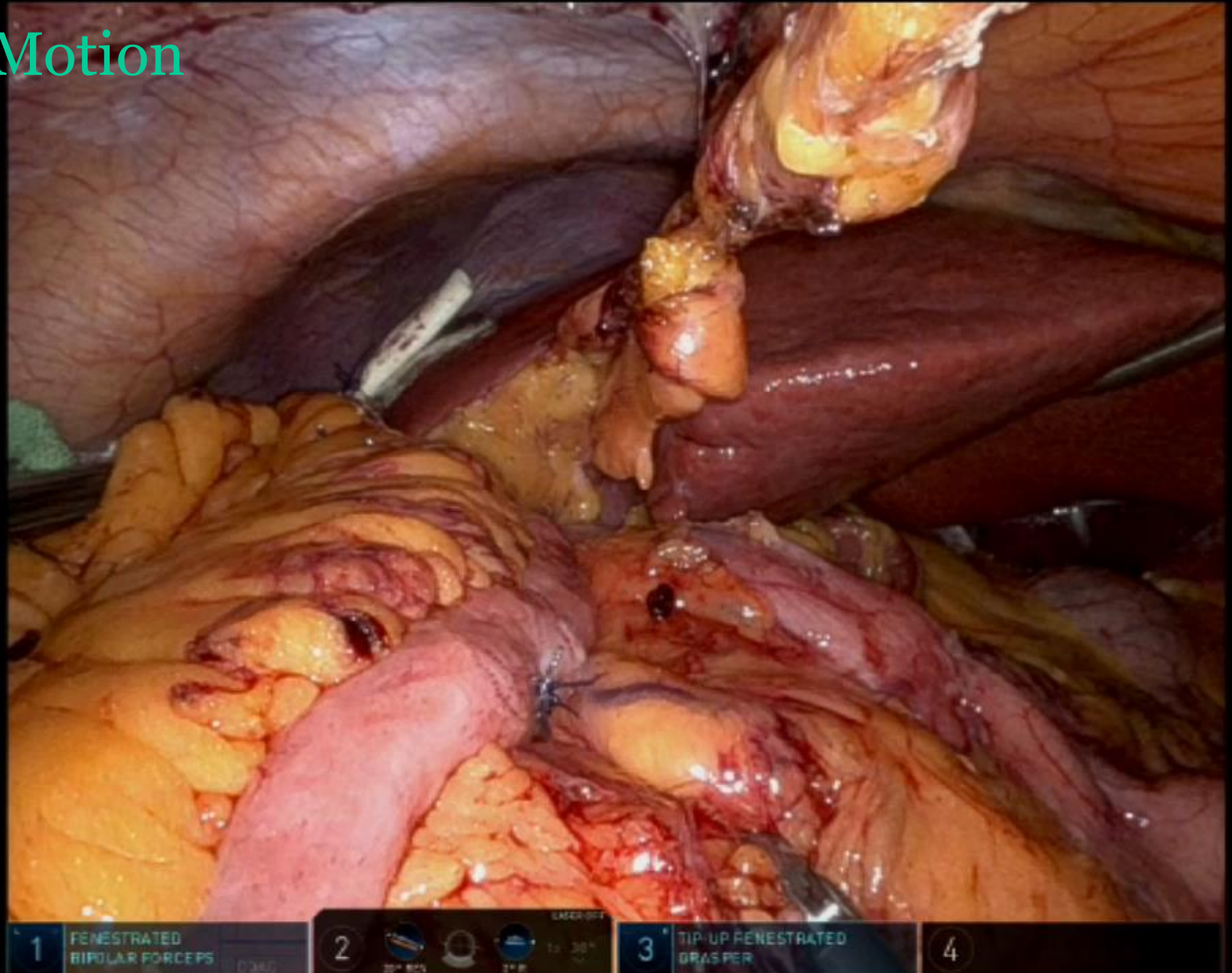
Close The Enterotomy



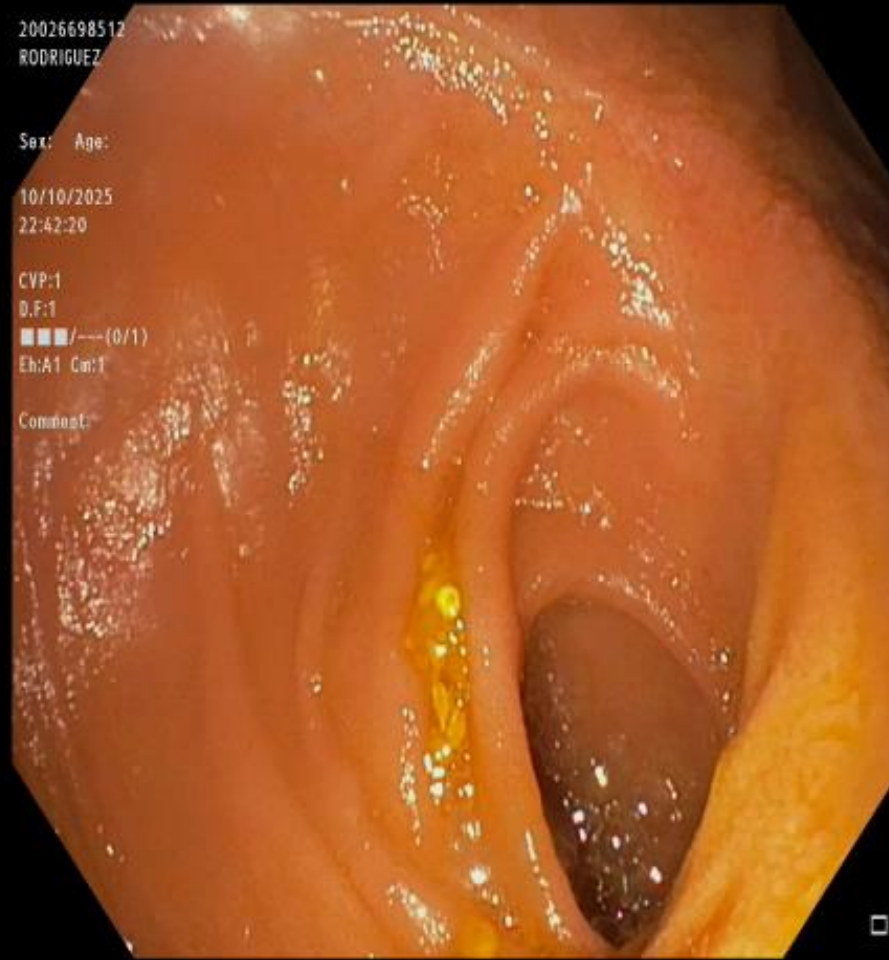
Step 1

Measuring the Common Channel

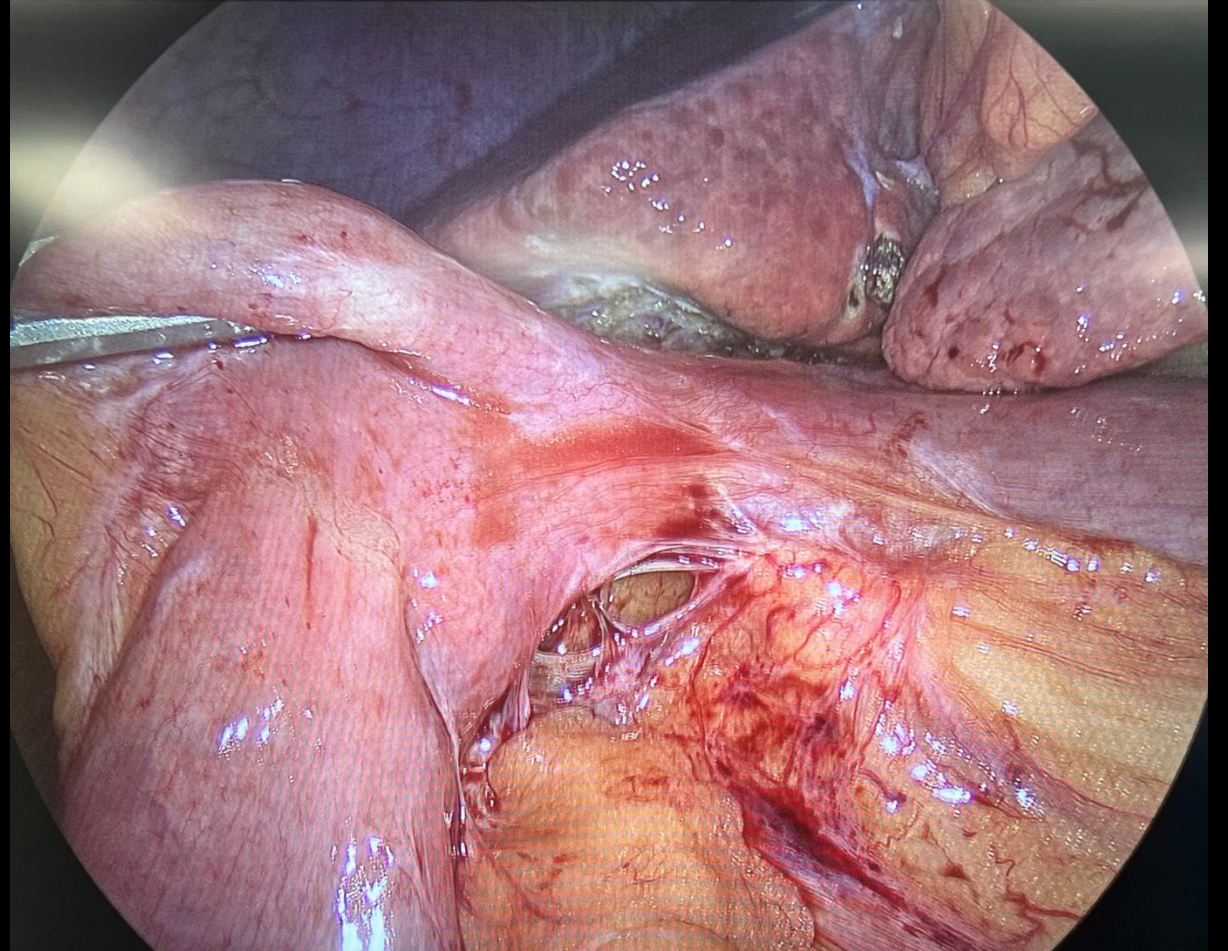
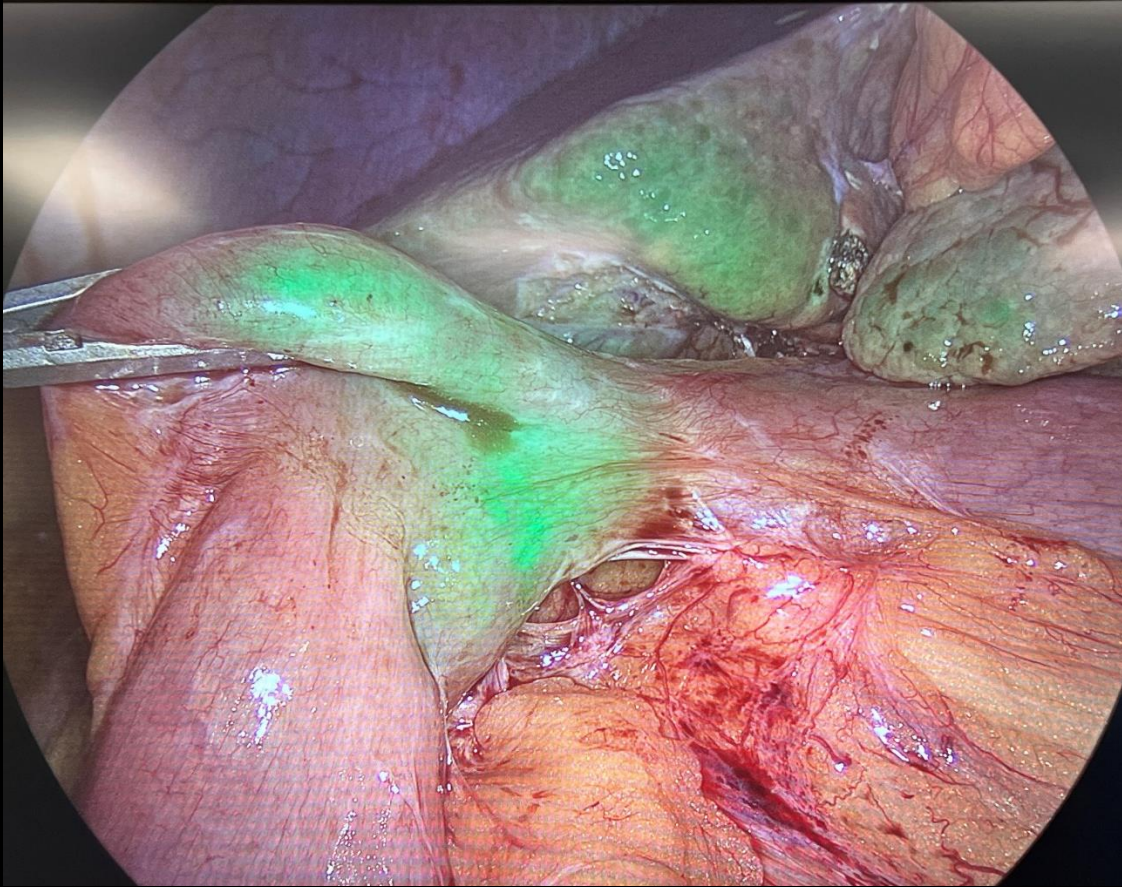
Docking Slow Motion



Magnetic Anastomosis 3 Months 50 mm Magnet



Bile Flow Across MAGDI Anastomosis at 8 Weeks



“Sleeve Plus” 14 Months post op

- BMI 24
- 112 pounds weight loss
- No vomiting
- No heartburn
- Sleeve with Magnetic duodenal ileostomy



Thank You



Overview

Moments

Timeline

**Duodenal Switch #21,
Other - Bariatrics**

Mar 16, 2026 8:59am dV 5

+ Add characteristics

**Unable to support phases and
steps for procedure type**

77 min

Console time ⓘ

67 min

Total active time ⓘ

6

Instrument count ⓘ

15

Inst exchanges ⓘ