



IFSO 2023

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## ESG INNOVATIONS AND FUTURE APPLICATIONS

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# DISCLOSURES

- **Consultant:** Boston Scientific, Metamodix, BFKW, Apollo Endosurgery, Medtronic, Endogenex
- **Cofounder:** Endogenex
- **Research Support:** Apollo Endosurgery, USGI, Endogastric Solutions, Boston Scientific, Medtronic, Spatz, Cairn.
- **Speaker:** Johnson & Johnson, Olympus, Endogastric Solutions

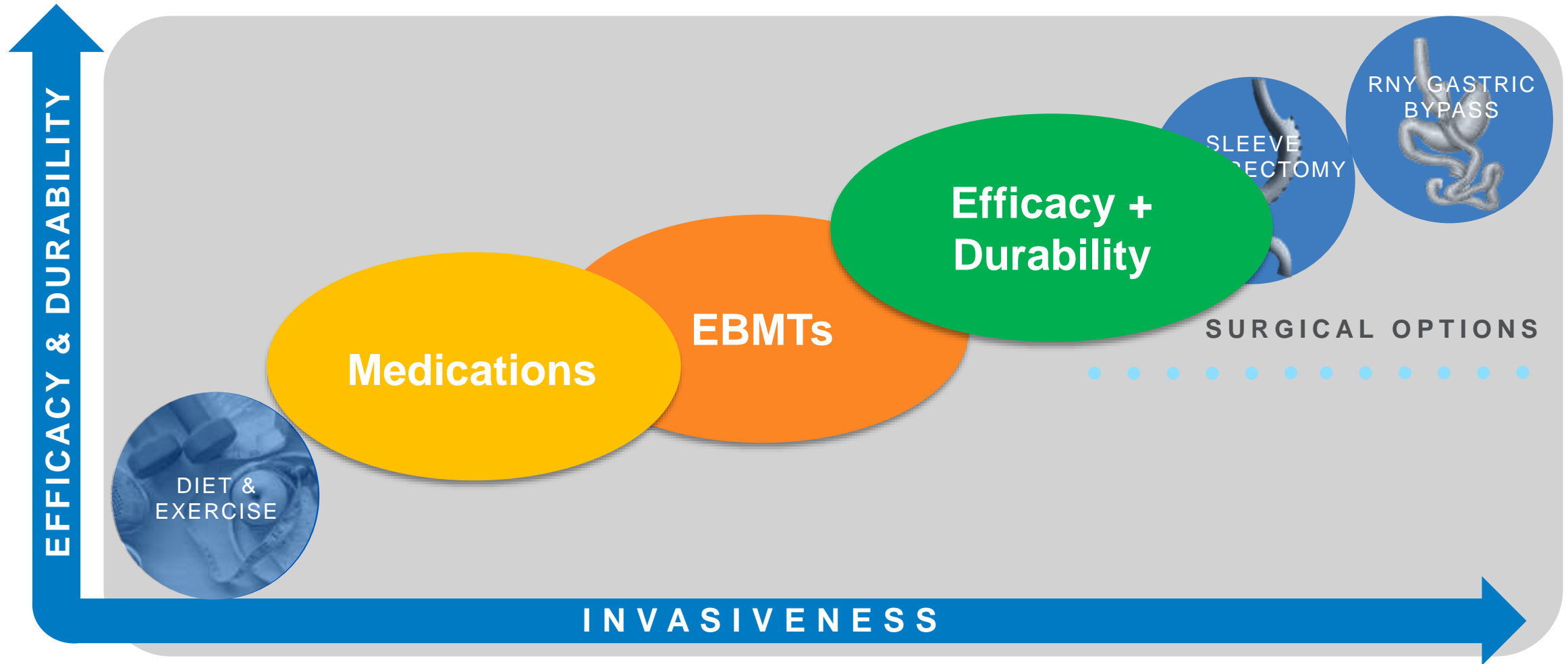
THEME

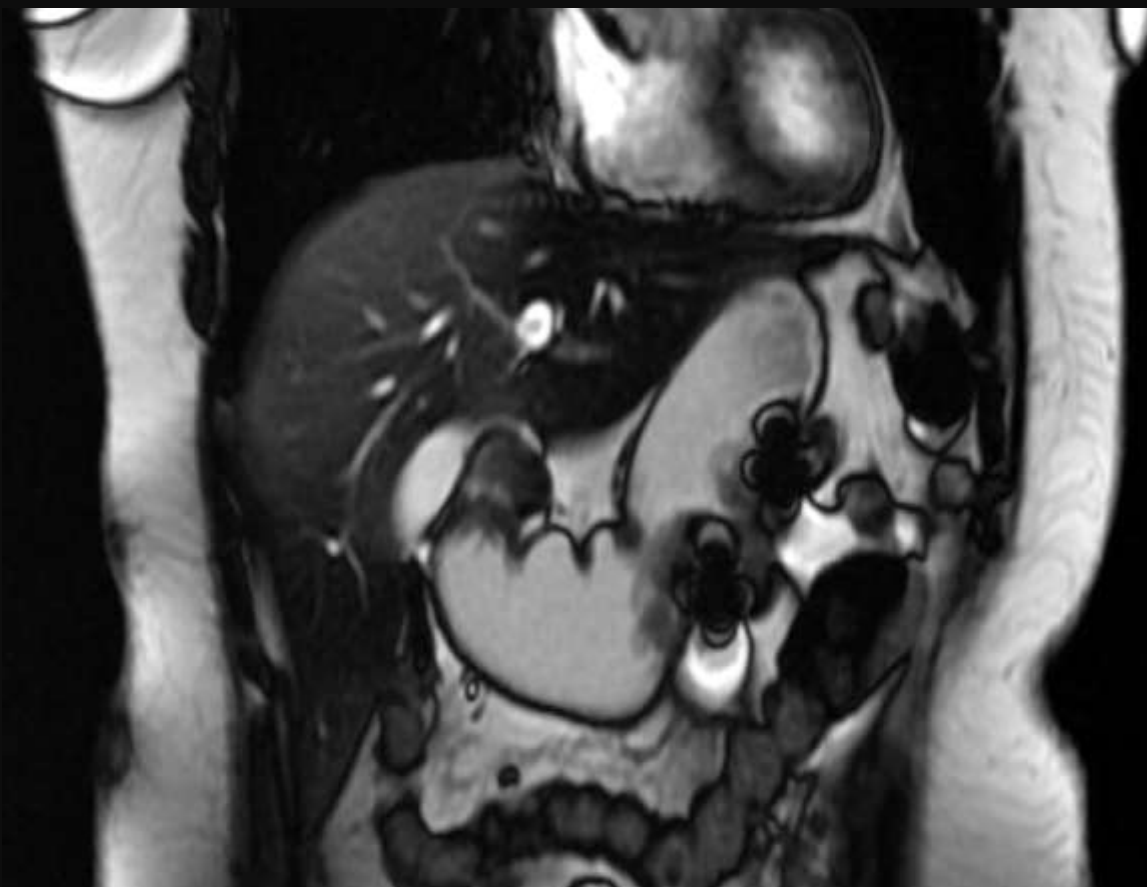
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# #PUSHING THE BOUNDARIES



# #Pushing the Boundaries





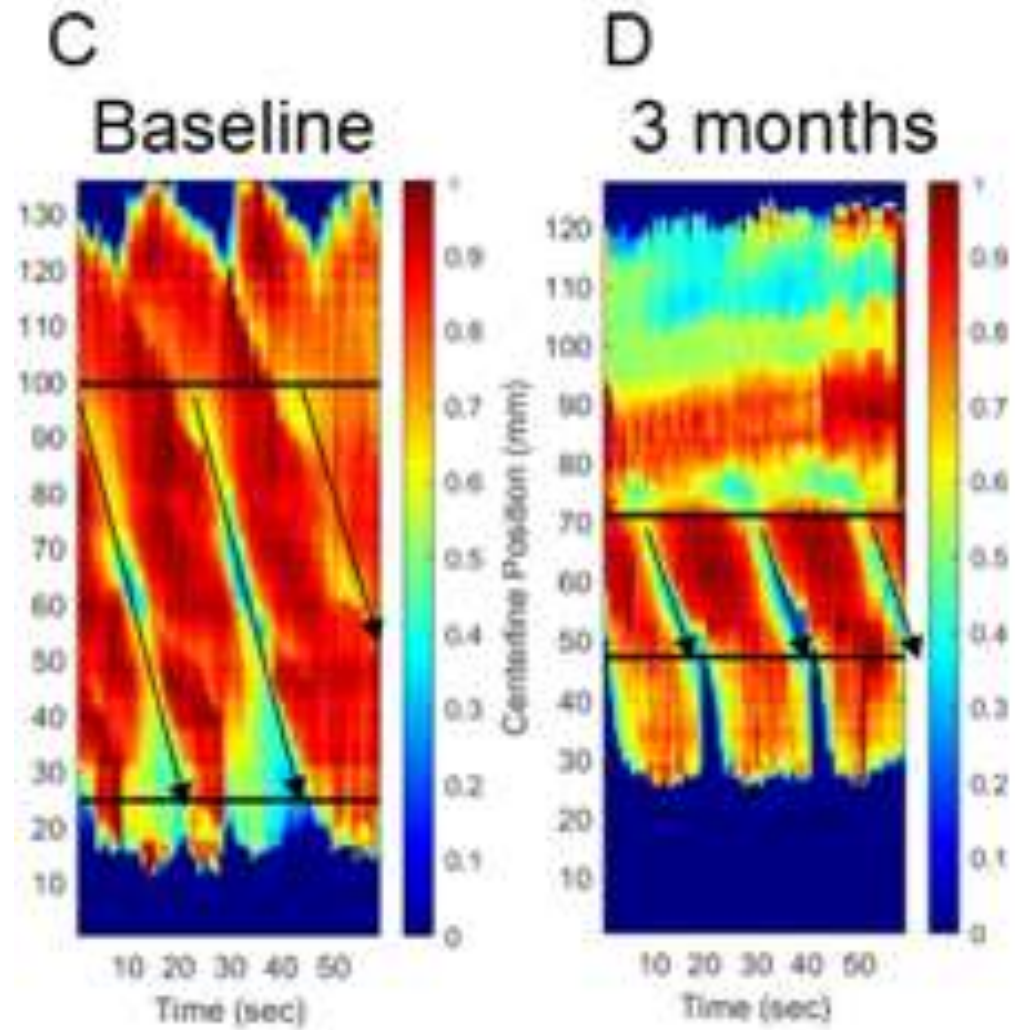
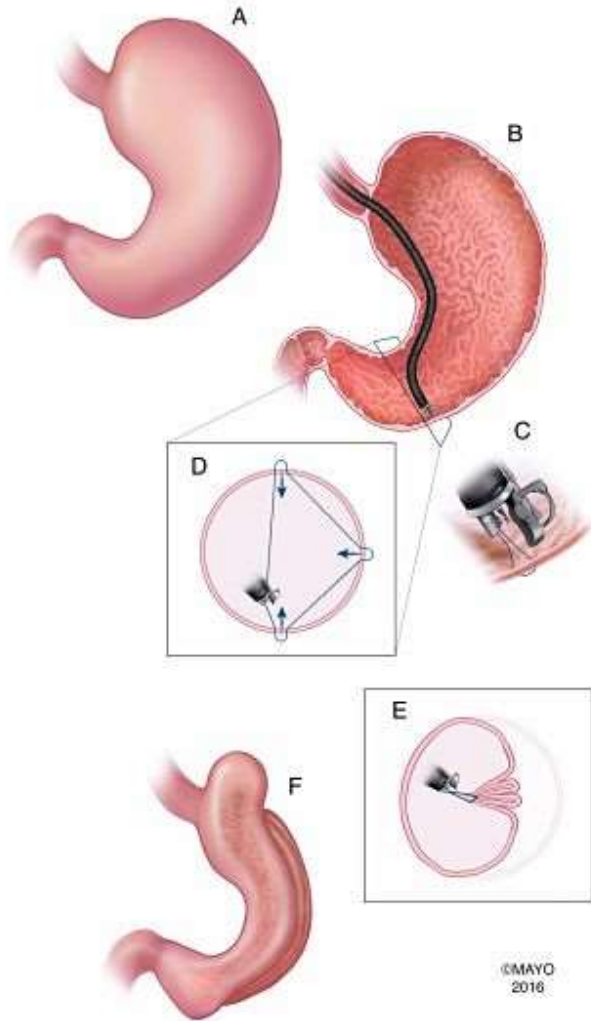
Original research

## Effect of endoscopic sleeve gastroplasty on gastric emptying, motility and hormones: a comparative prospective study

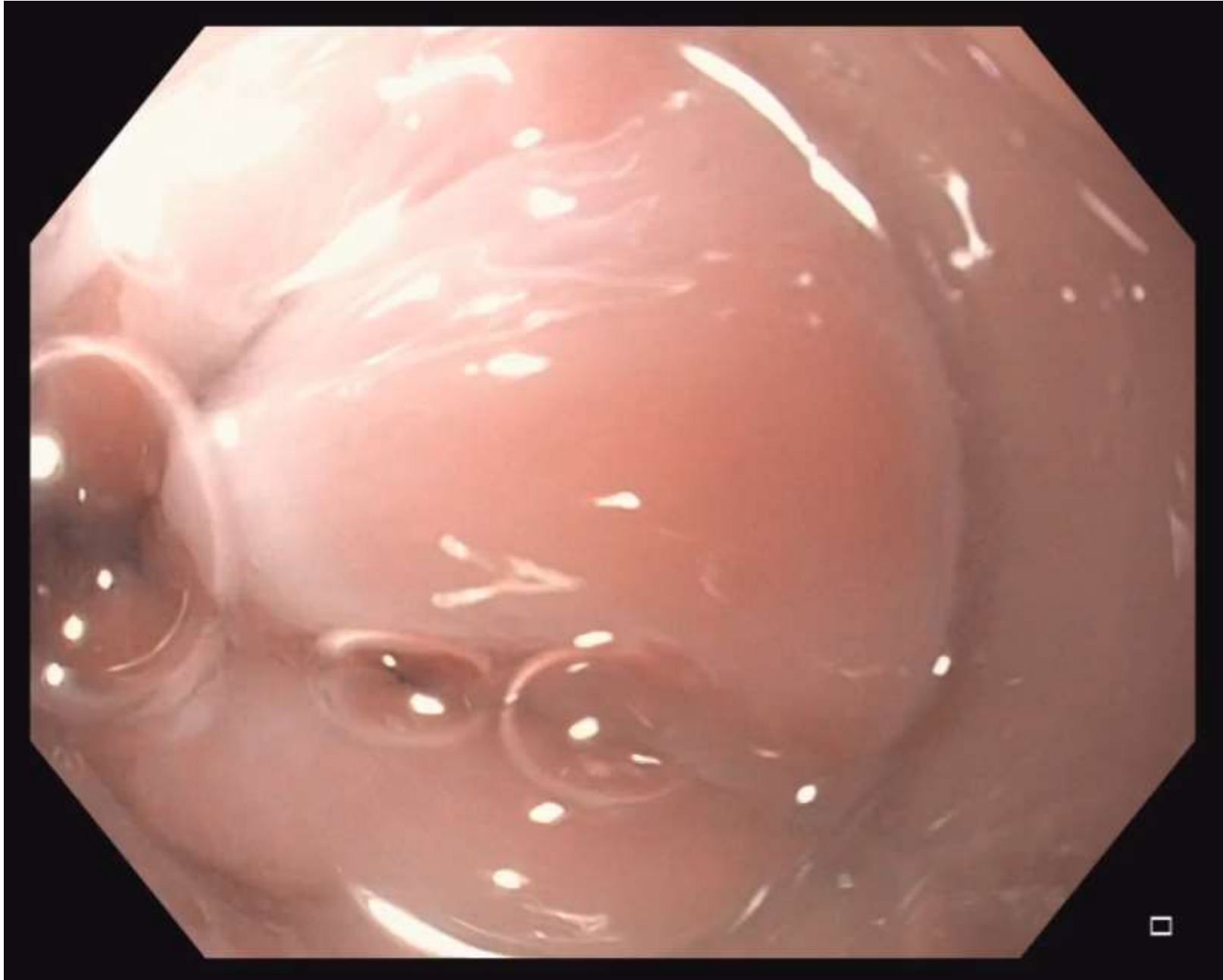
Eric J Vargas <sup>1</sup>, Monika Rizk,<sup>1</sup> Jacky Gomez-Villa,<sup>1</sup> Phillip K Edwards,<sup>2</sup> Veeravich Jaruvongvanich,<sup>1</sup> Andrew C Storm,<sup>1</sup> Andres Acosta <sup>1</sup>, David Lake,<sup>2</sup> Jeff Fidler,<sup>3</sup> Adil E Bharucha <sup>1</sup>, Michael Camilleri <sup>1</sup>, Barham K Abu Dayyeh <sup>1</sup>



# What happens to gastric motor function?



# ANTRAL REDUCTION ESG (ONGOING RCT)



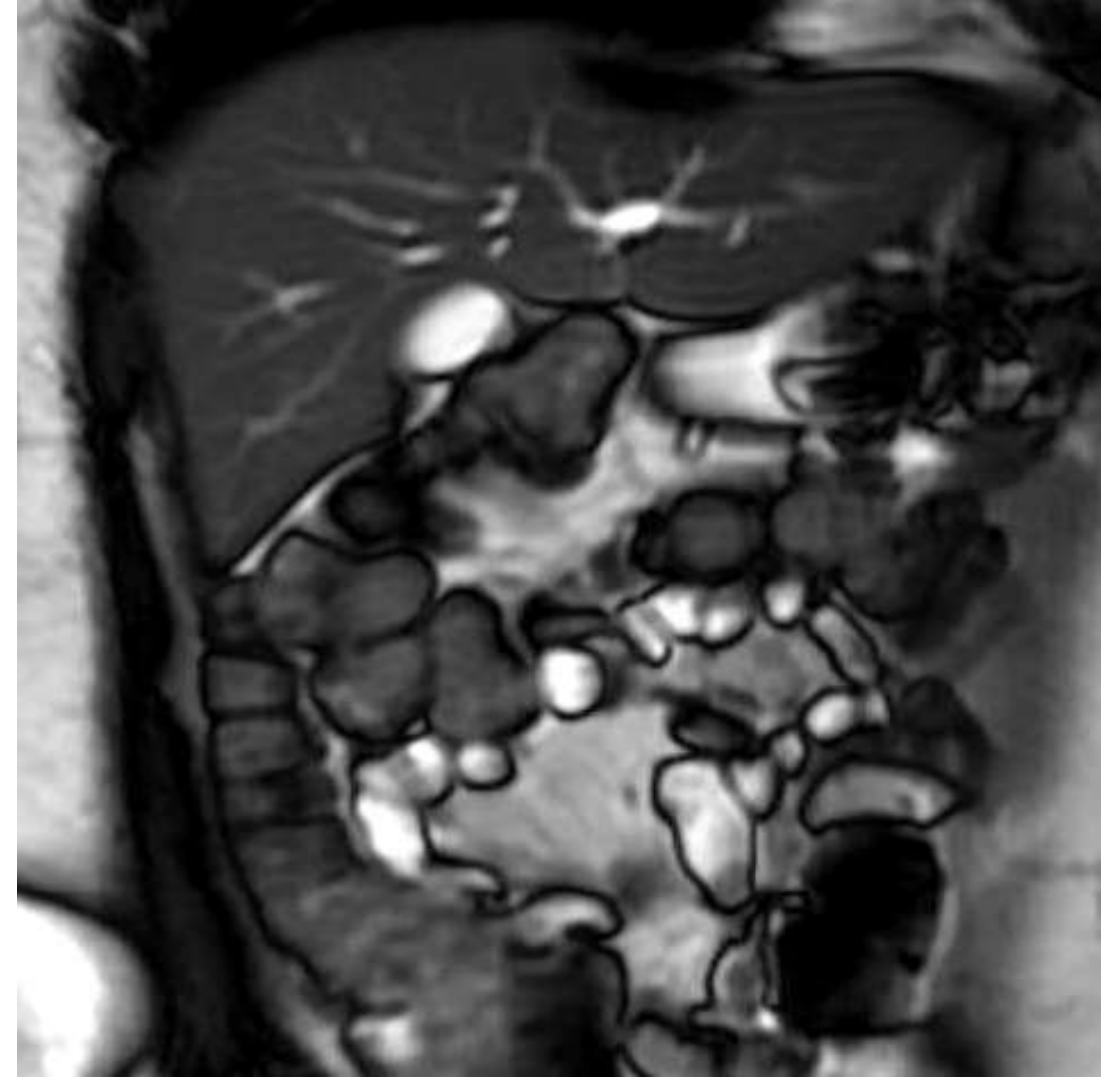
%TBWL **23%** at 6 months

# ANTRAL REDUCTION ESG (ONGOING RCT)

Before



6 months after

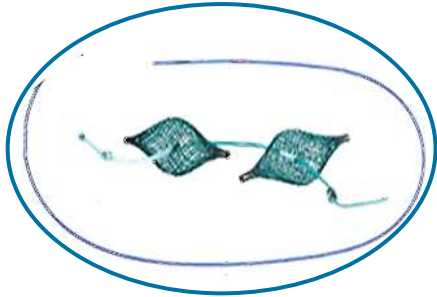




# USGI INCISIONLESS OPERATING PLATFORM™ (IOP)



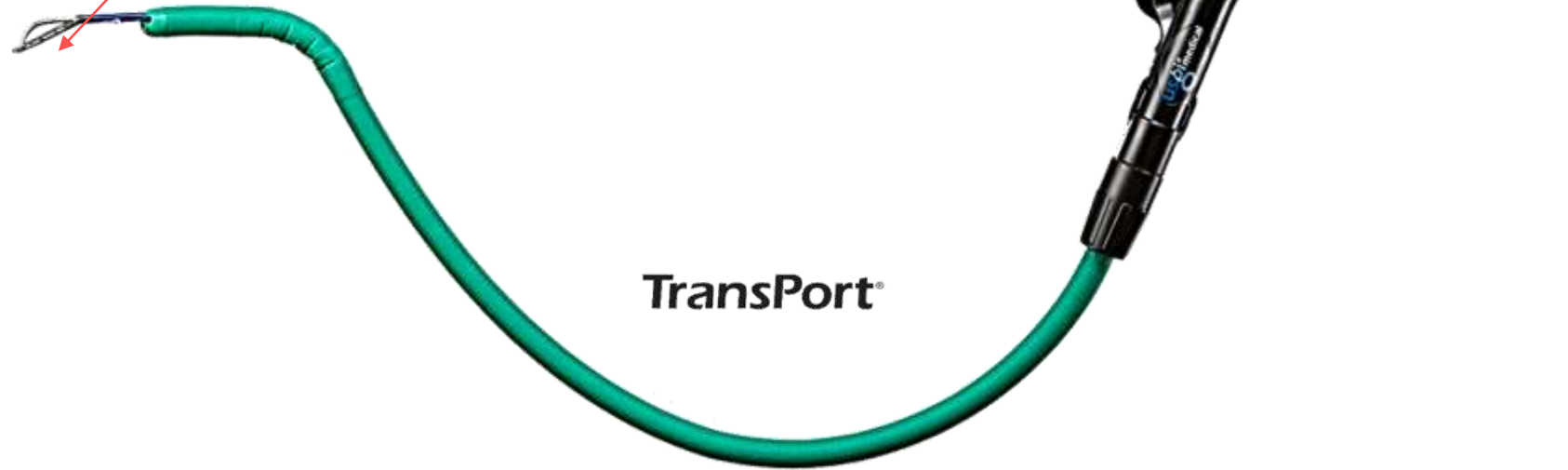
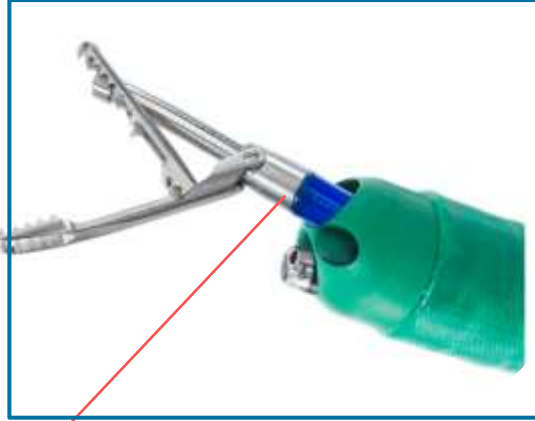
Q-Prox<sup>®</sup>  
EZ



Q-Cath<sup>®</sup>  
EZ



Q-Lix<sup>™</sup>



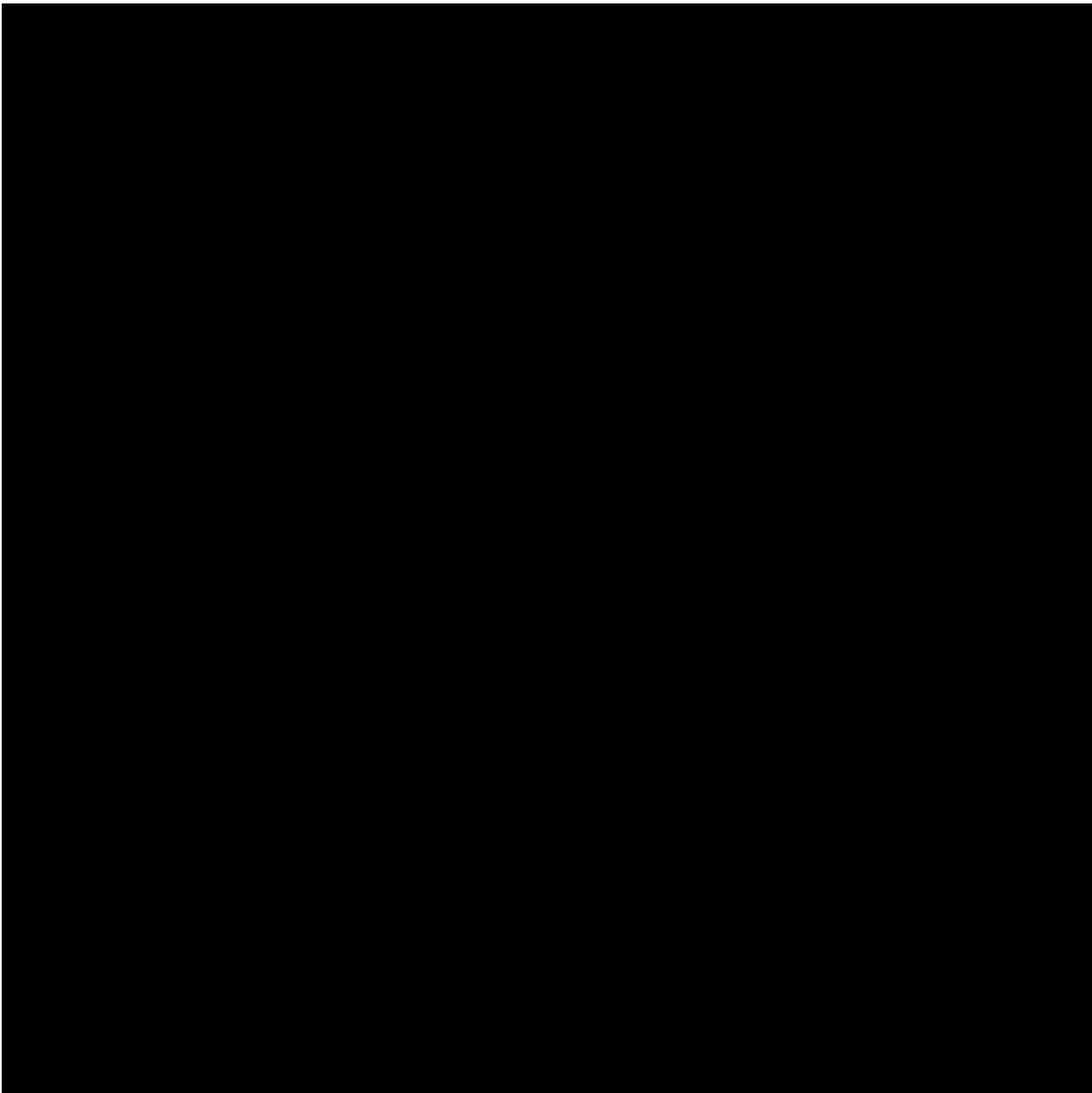
> *Obes Surg.* 2023 Apr 17. doi: 10.1007/s11695-023-06569-4. Online ahead of print.

## The Primary Obesity Surgery Endoluminal 2.0 Enfolding Technique (POSE 2.0et): Modification to Enhance Efficiency and Increase Restriction

Maryam Al Khatry<sup>1 2</sup>, Barham K Abu Dayyeh<sup>3 4</sup>

Affiliations + expand

PMID: 37067685 DOI: 10.1007/s11695-023-06569-4



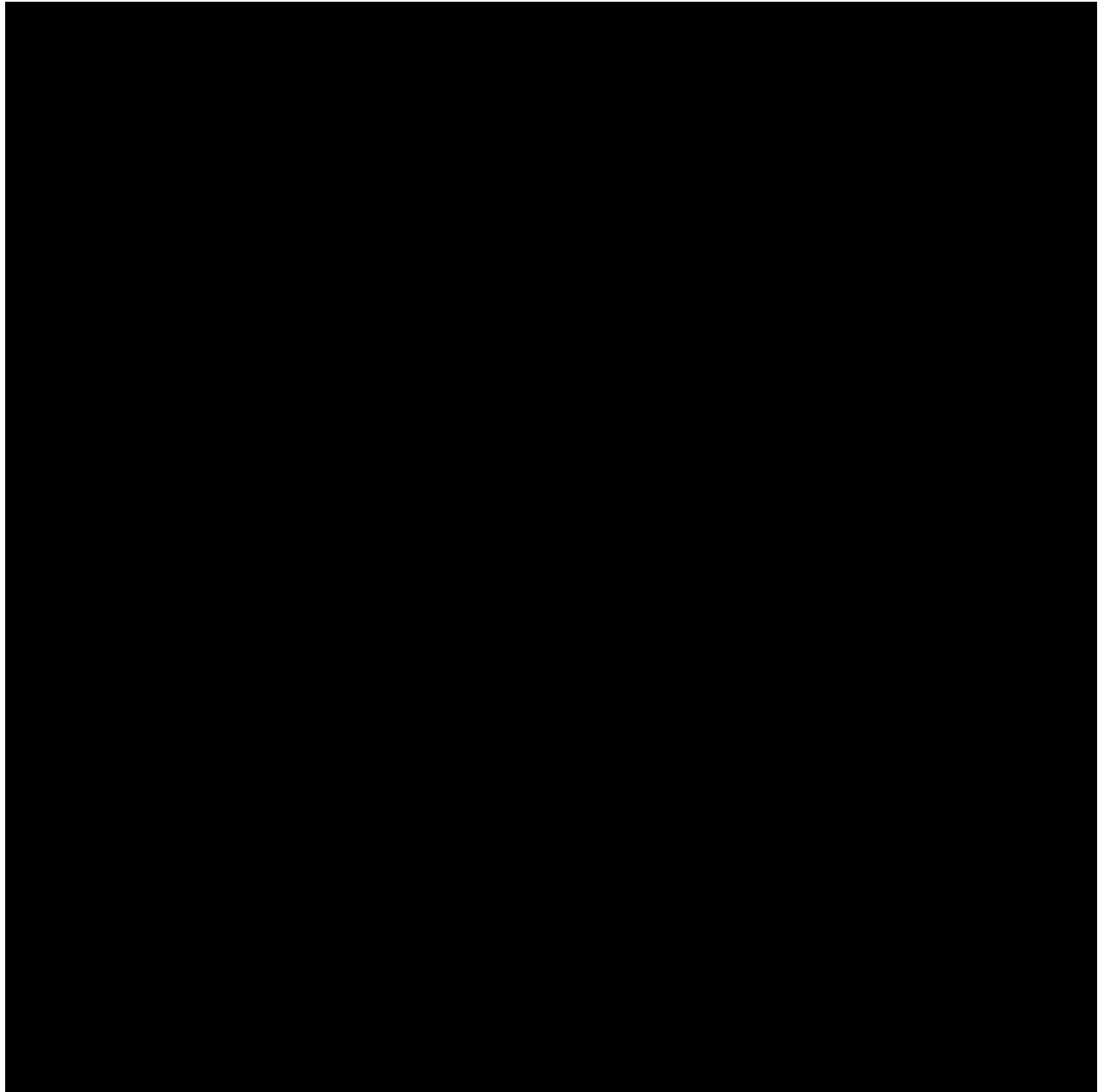
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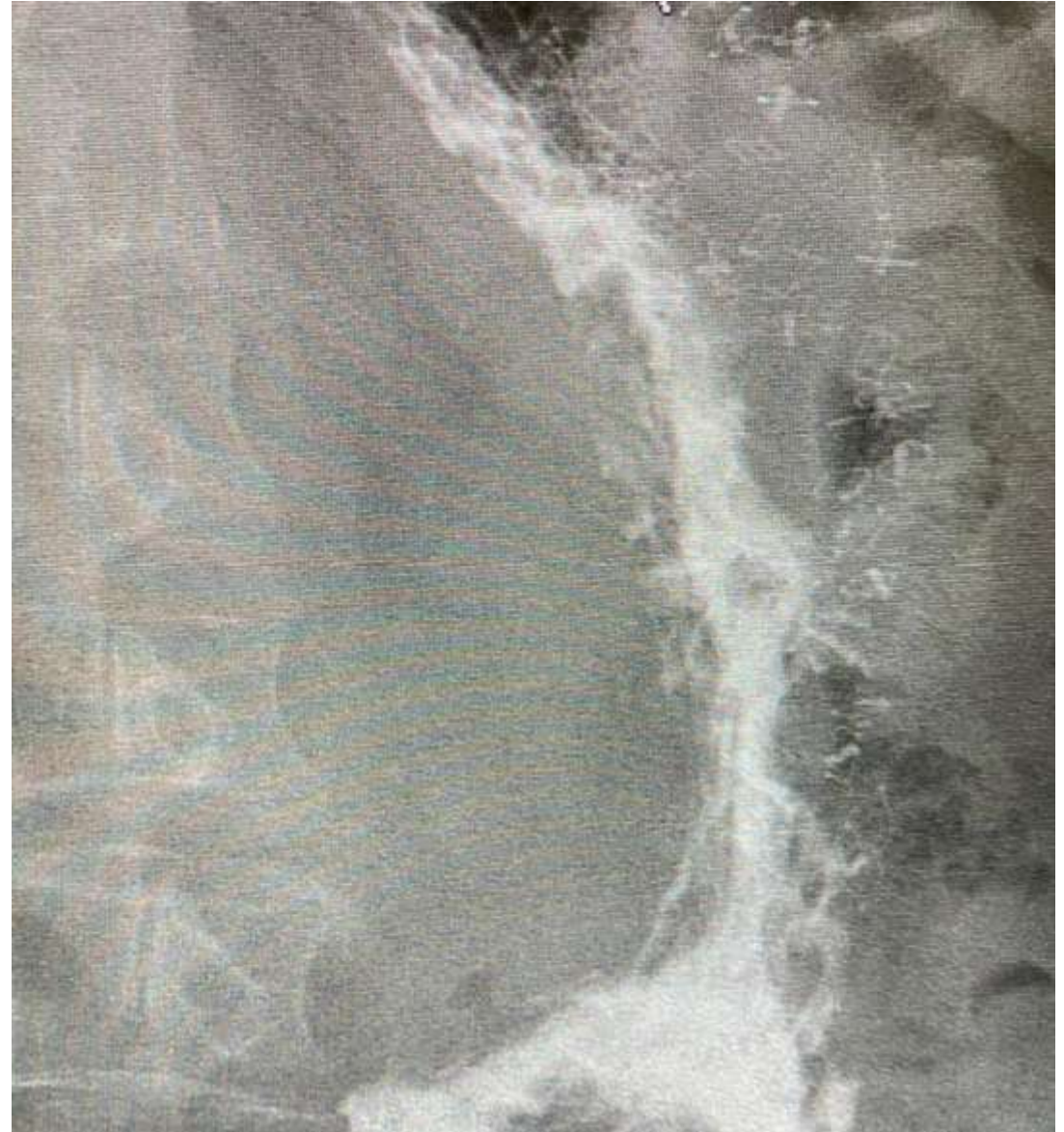
Multicenter Study > Clin Gastroenterol Hepatol. 2023 Jan;21(1):81-89.e4.

doi: 10.1016/j.cgh.2022.04.019. Epub 2022 May 6.

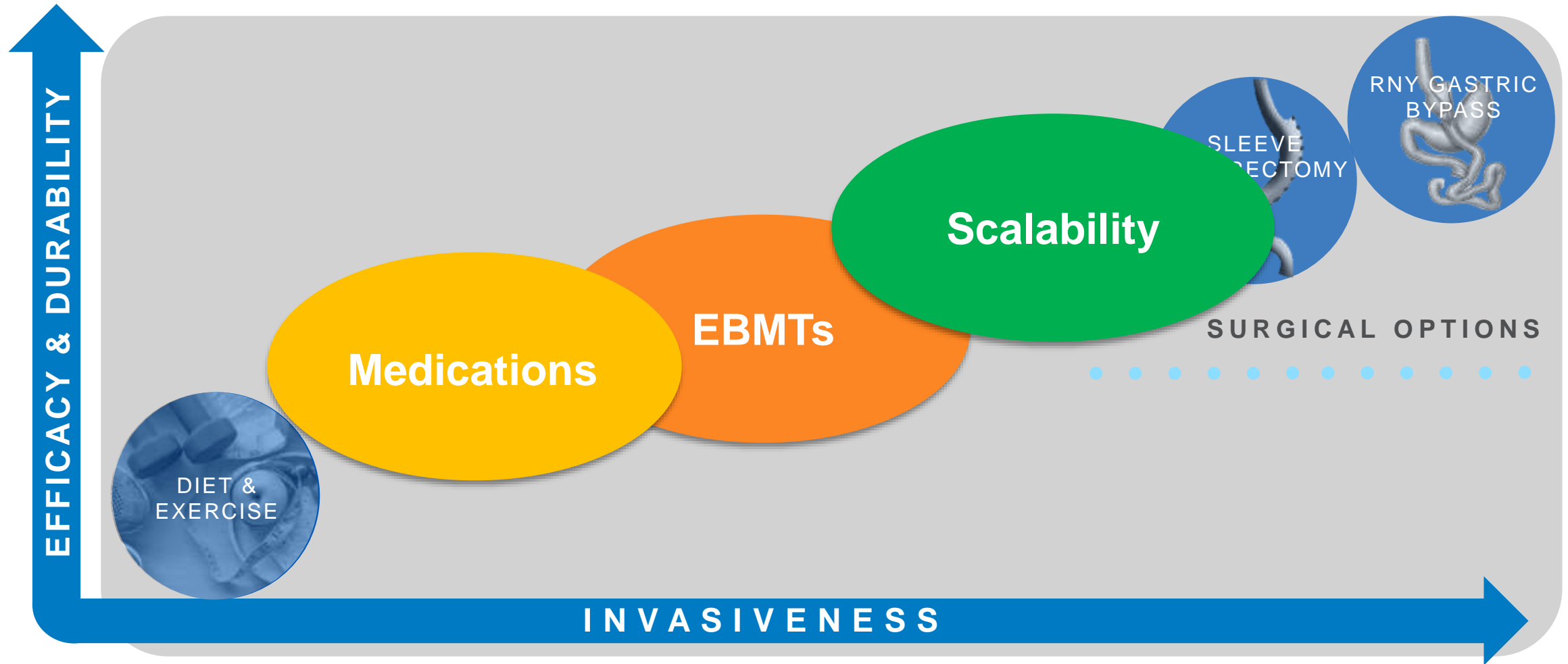
## Prospective Multicenter Study of the Primary Obesity Surgery Endoluminal (POSE 2.0) Procedure for Treatment of Obesity

Gontrand Lopez Nava <sup>1</sup>, Roman Turro Arau <sup>2</sup>, Ravishankar Asokkumar <sup>3</sup>, Daniel B Maselli <sup>4</sup>, Babusai Rapaka <sup>4</sup>, Reem Matar <sup>4</sup>, Inmaculada Bautista <sup>1</sup>, Jorge Carlos Espinos Perez <sup>5</sup>, Alfredo Mata Bilbao <sup>5</sup>, Veeravich Jaruvongvanich <sup>4</sup>, Eric J Vargas <sup>4</sup>, Andrew C Storm <sup>4</sup>, Manoel Galvao Neto <sup>6</sup>, Barham K Abu Dayyeh <sup>7</sup>

# 24 Months Durability via Endoscopy / Fluoroscopy (N=26)

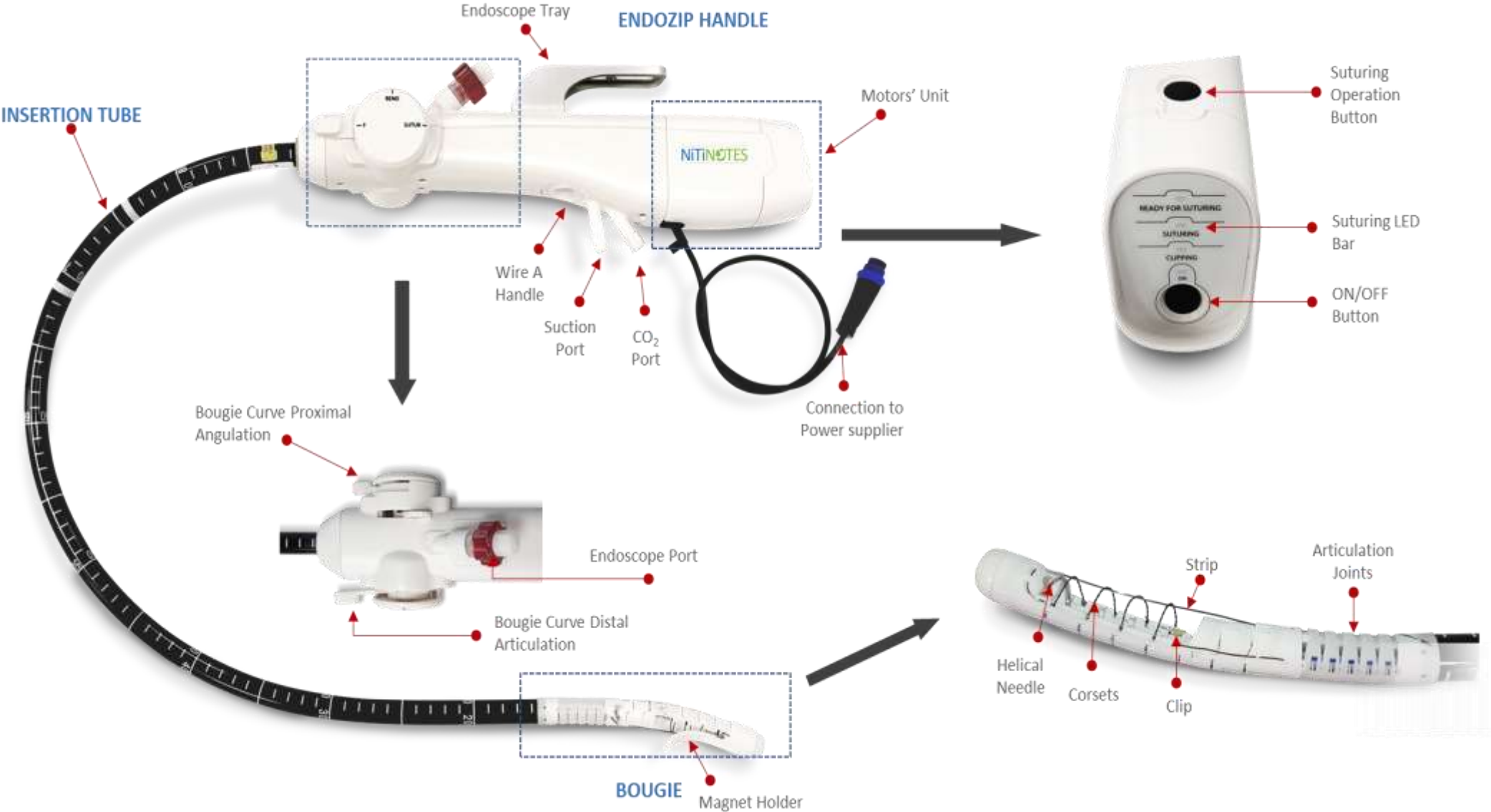


# #Pushing the Boundaries (Scalability)

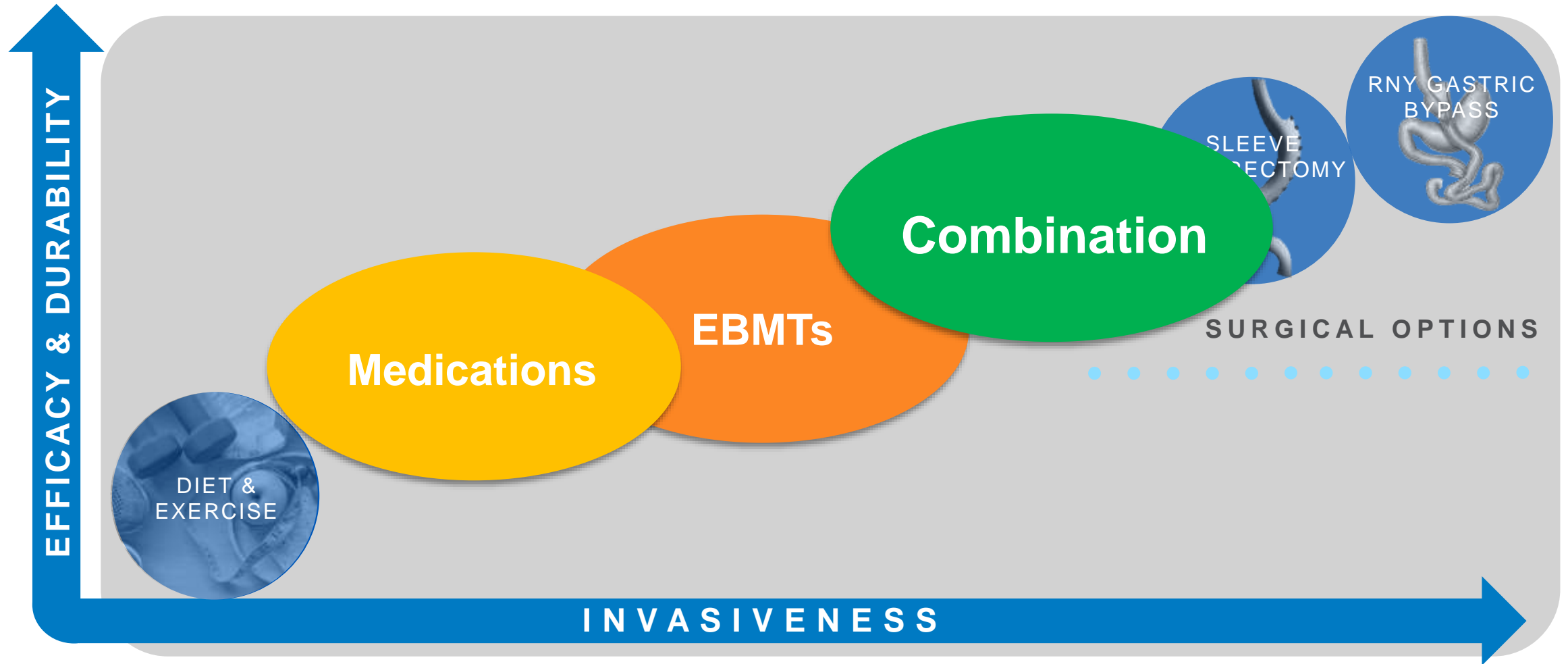




# Endozip™ – Automated Suturing Device



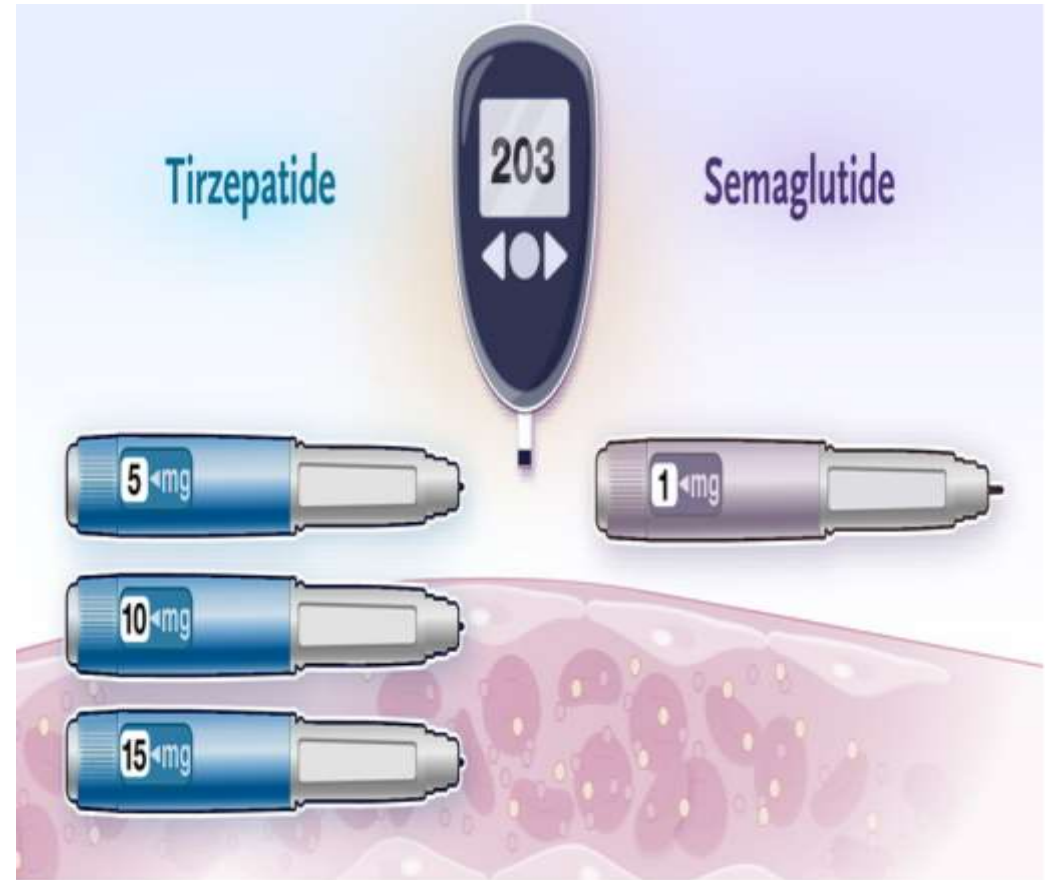
# #Pushing the Boundaries (Combination)



# COMBINATION WITH MEDS



+



@DDW2023

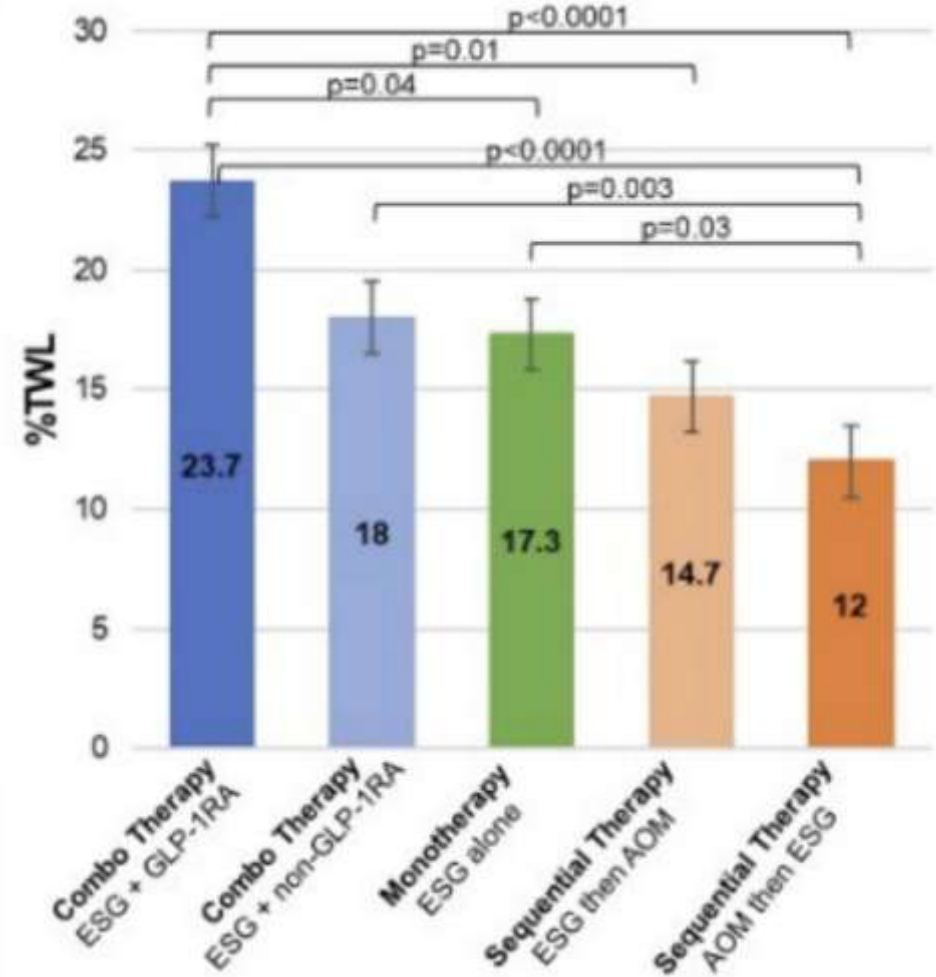
**703: ENDOSCOPIC SLEEVE GASTROPLASTY WITH ANTI-OBESITY MEDICATIONS: ANALYSIS OF COMBINATION THERAPY, OPTIMAL TIMING AND AGENTS**

S102 - McCormick Place - Session Number: 4290 - Lecture - Mon, May 08. 10:30am - 10:45am (Central)

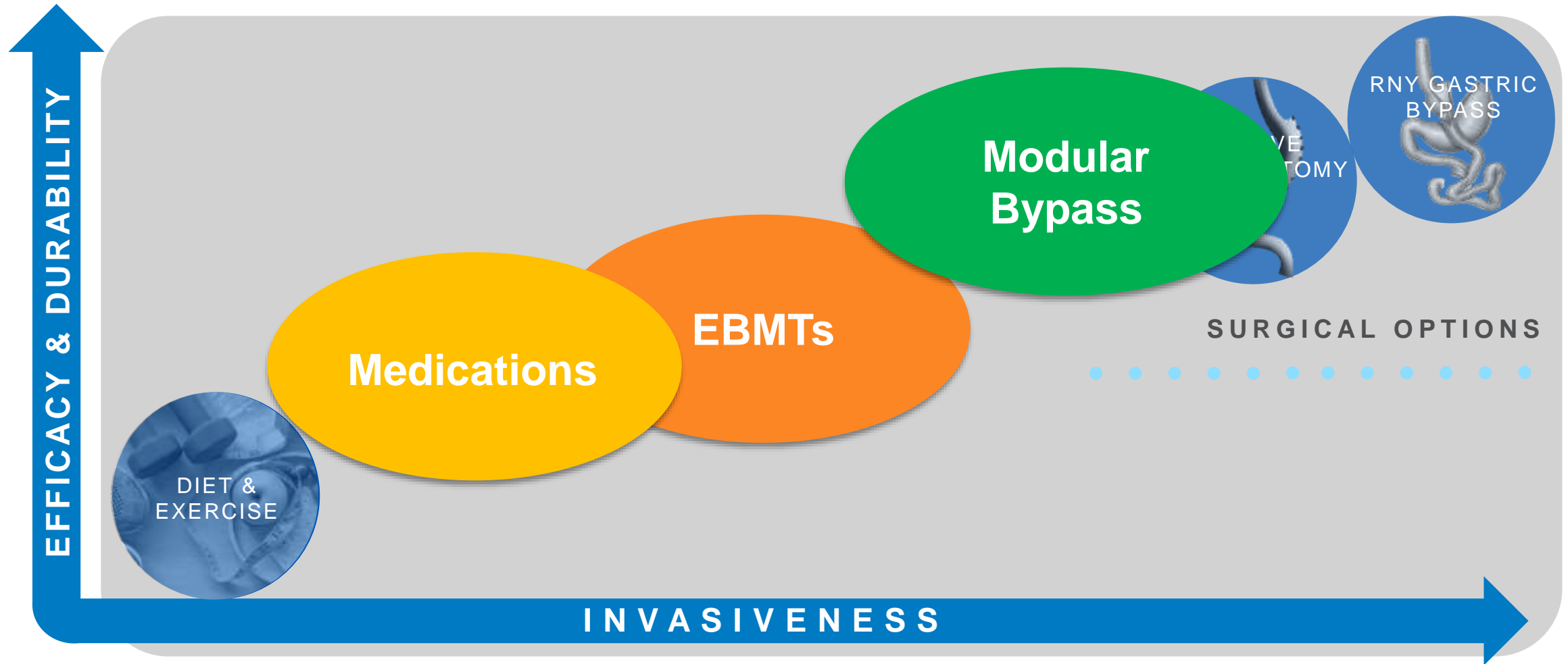
**AuthorBlock:** Pichamol Jirapinyo<sup>1</sup>, Aunchalee Jaroenlapnopparat<sup>2,1</sup>, Christopher C. Thompson<sup>1</sup>

<sup>1</sup>Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women's Hospital, Boston, Massachusetts, United States; <sup>2</sup>Mount Auburn Hospital, Cambridge, Massachusetts, United States;

A total of 224 patients single US sites



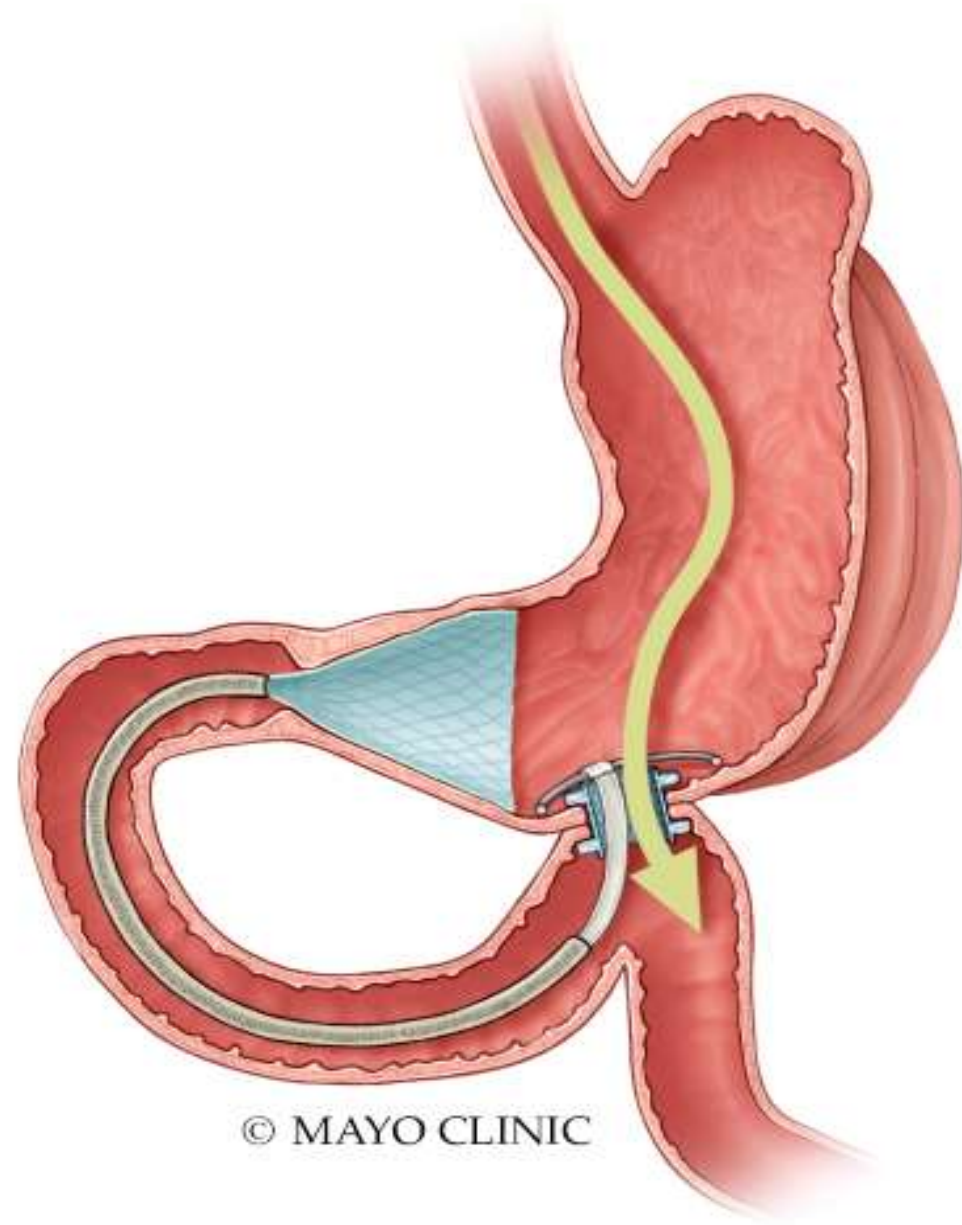
# #Pushing the Boundaries (Modular Endoscopic Bypass)





*Collaboration*

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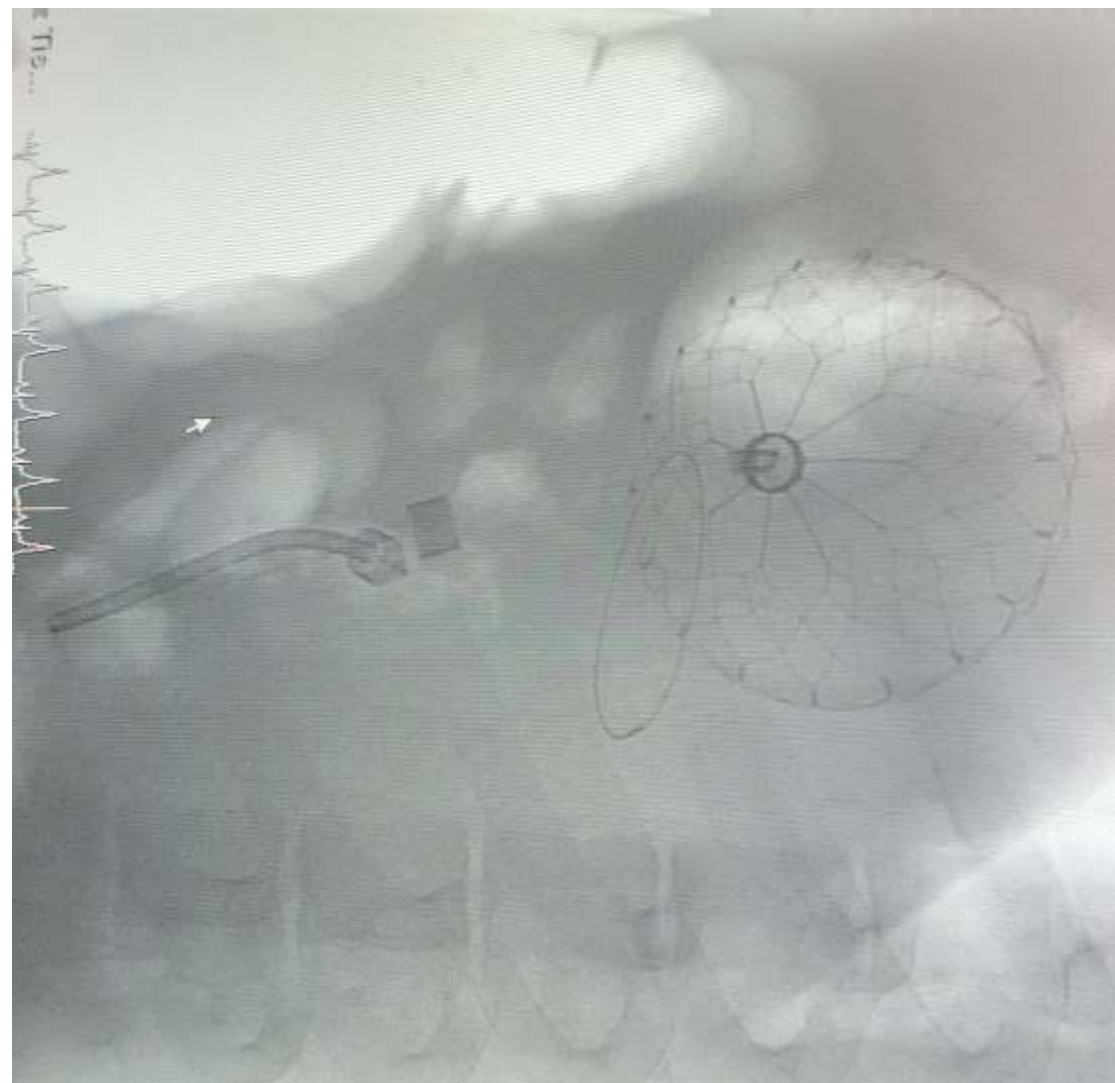
**S**ingle **A**nastomosis **G**astrointestinal **E**ndoscopic bypass **S**ystem

# Dual Mechanism Dynamic Anchoring Bypass (DDAB) System for Metabolic Diseases

Barham Abu Dayyeh



American Society for  
Gastrointestinal Endoscopy





# Thank You

