



IFSO2024

ESG WITH TIF



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DISCLOSURES

Consultant: Boston Scientific, Metamodix, BFKW, Apollo Endosurgery, Medtronic, Endogenex

Cofounder: Endogenex

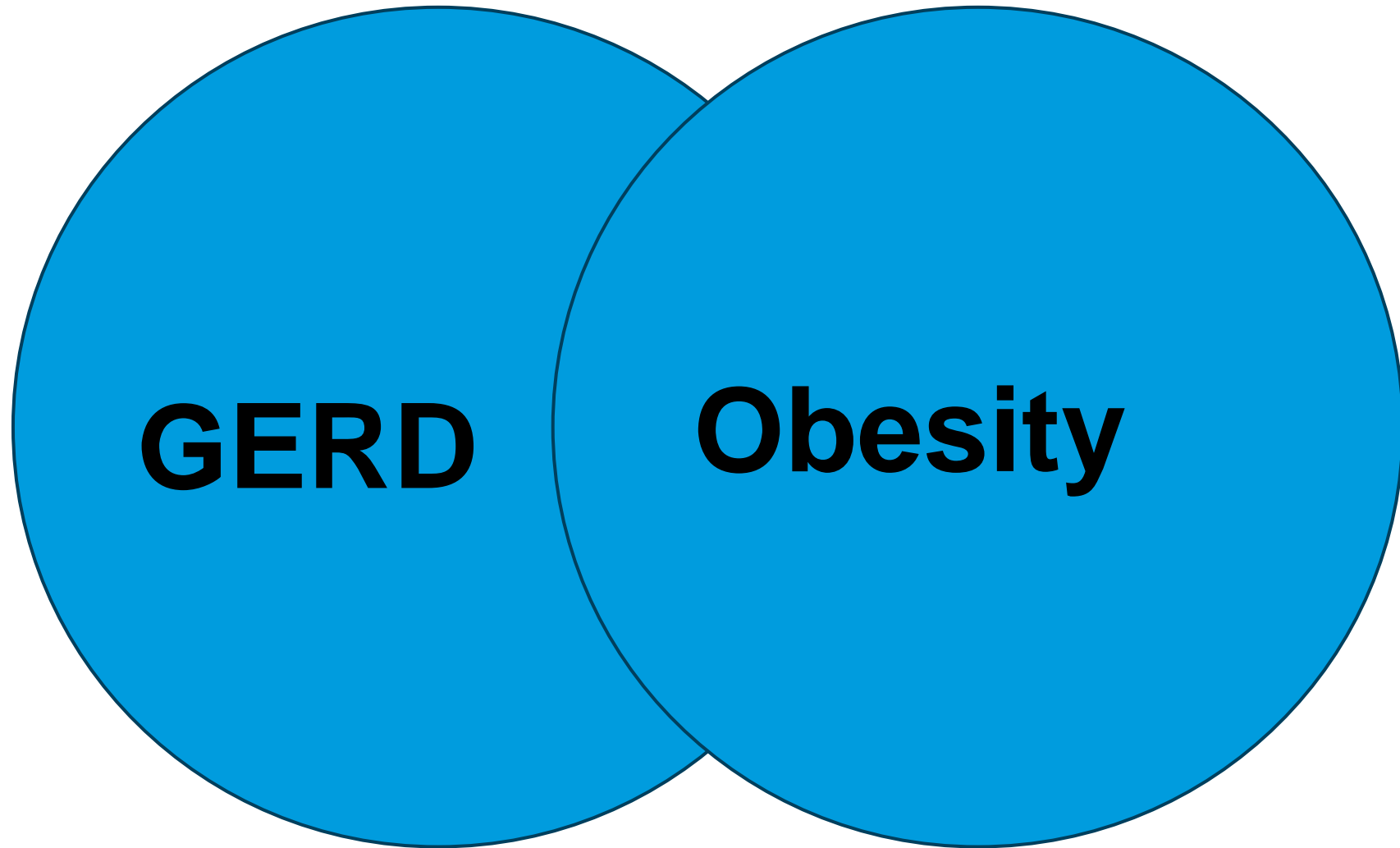
Research Support: Apollo Endosurgery, USGI, Endogastric Solutions, Boston Scientific, Medtronic, Spatz Medical, Cairn.

Speaker: Johnson & Johnson, Olympus, Endogastric Solutions



THE PROBLEM

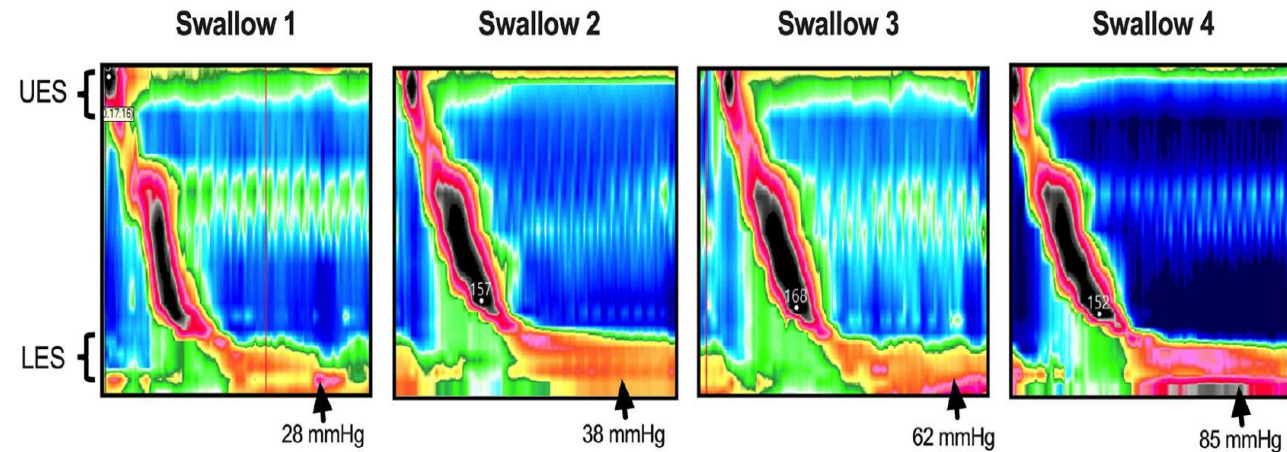
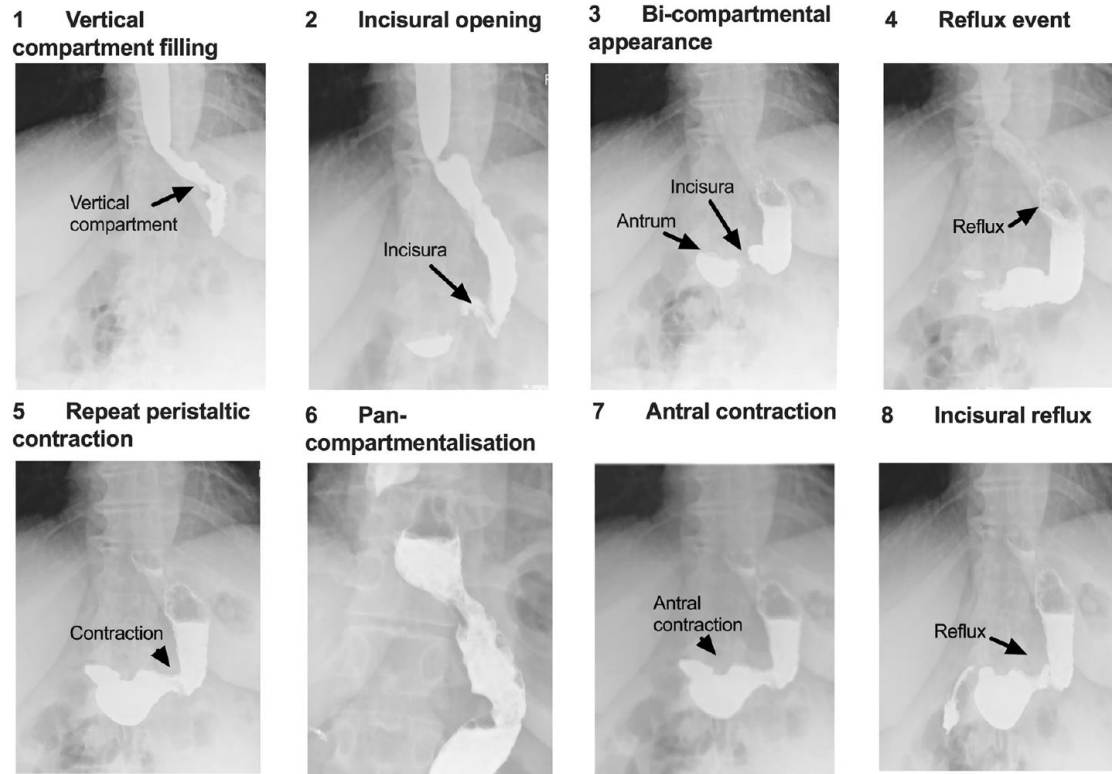
Unmet Need





Mechanisms of Esophageal and Gastric Transit Following Sleeve Gastrectomy

Yazmin Johari^{1,2} · Anagi Wickremasinghe¹ · Pradipta Kiswandono¹ · Helen Yue³ · Geraldine Ooi^{1,2} · Cheryl Laurie¹ · Geoffrey Hebbard⁴ · Paul Beech³ · Kenneth Yap³ · Wendy Brown^{1,2} · Paul Burton^{1,2}



COMPARATIVE STUDY

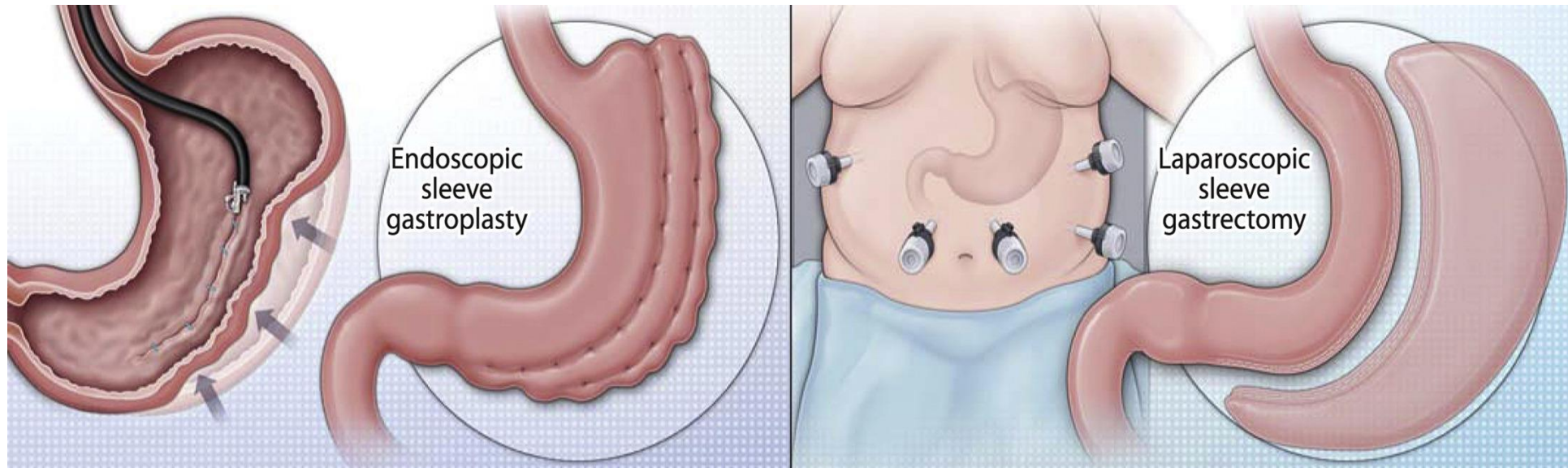
Comparative Study > *Gastrointest Endosc.* 2019 Apr;89(4):782-788.

doi: 10.1016/j.gie.2018.08.030. Epub 2018 Aug 25.

Endoscopic sleeve gastroplasty versus laparoscopic sleeve gastrectomy: a case-matched study

1.9% vs 14.5%, $P < .05$

Lea Fayad¹, Atif Adam², Michael Schweitzer³, Lawrence J Cheskin⁴, Tokunbo Ajayi⁵,
Margo Dunlap¹, Dilhana S Badurdeen¹, Christine Hill⁴, Neethi Paranjli¹, Sepehr Lalezari³,
Anthony N Kalloo¹, Mouen A Khashab¹, Vivek Kumbhari¹



META-ANALYSIS

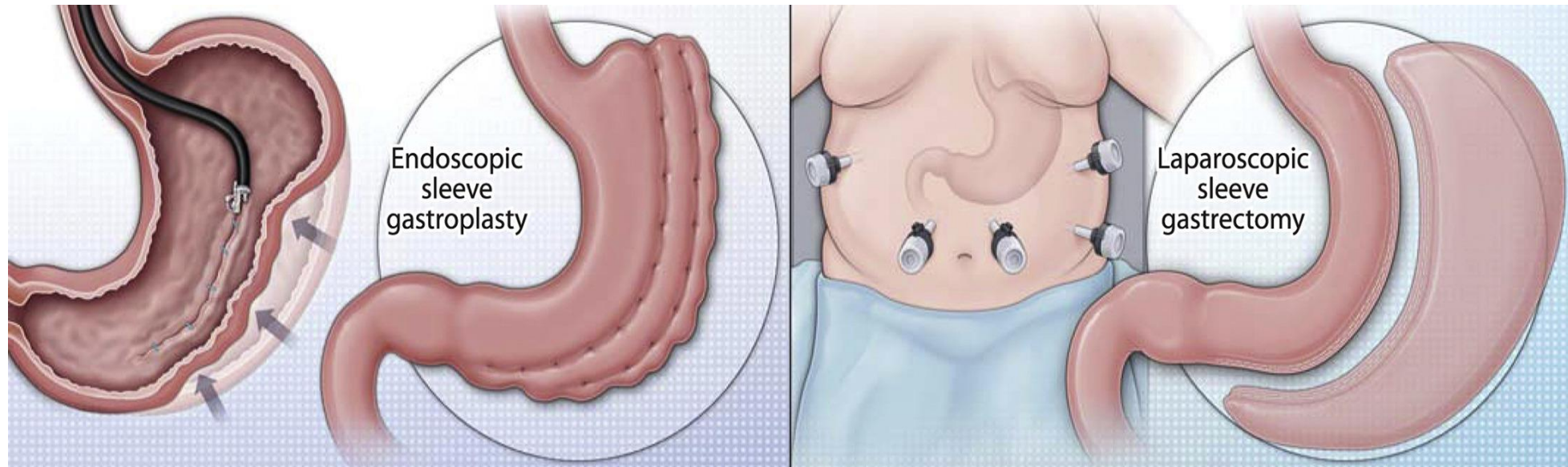
Meta-Analysis > Obes Surg. 2022 Nov;32(11):3504-3512. doi: 10.1007/s11695-022-06254-y.

Epub 2022 Sep 2.

Comparative Effectiveness and Safety Between Endoscopic Sleeve Gastroplasty and Laparoscopic Sleeve Gastrectomy: a Meta-analysis of 6775 Individuals with Obesity

1.3% vs 17.9%, $P < .05$

Azizullah Beran¹, Reem Matar^{2,3}, Veeravich Jaruvongvanich³, Babusai B Rapaka³, Abdullah Alalwan⁴, Ray Portela⁵, Omar Ghanem⁵, Barham K Abu Dayyeh⁶



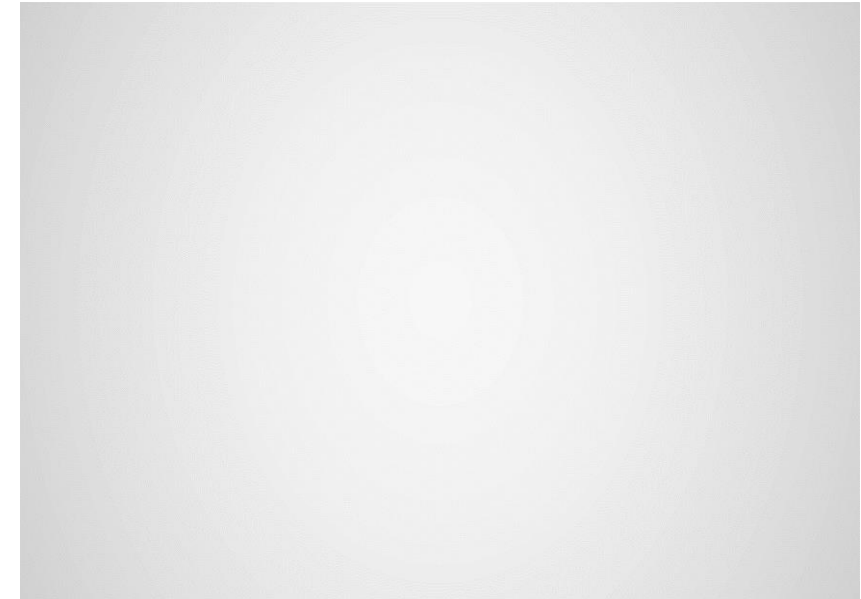
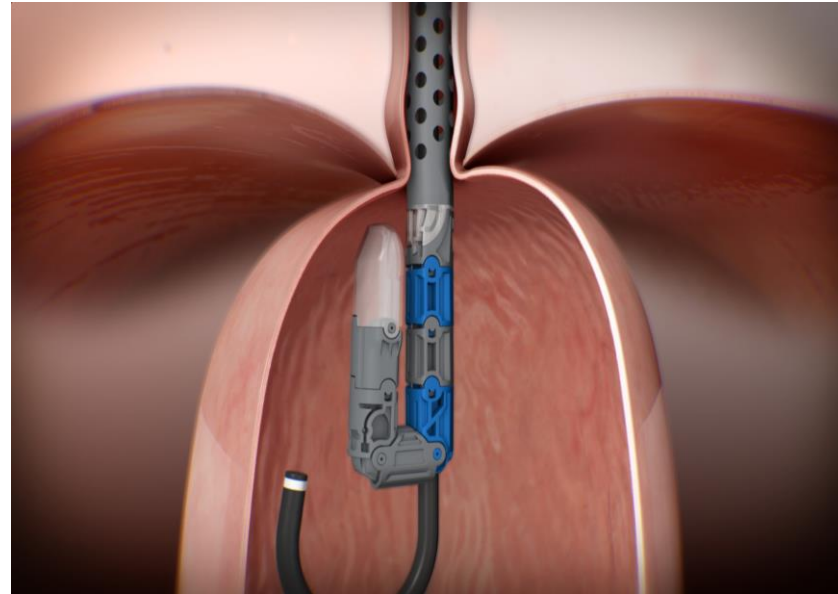
GERD + OBESITY

TIF + ESG



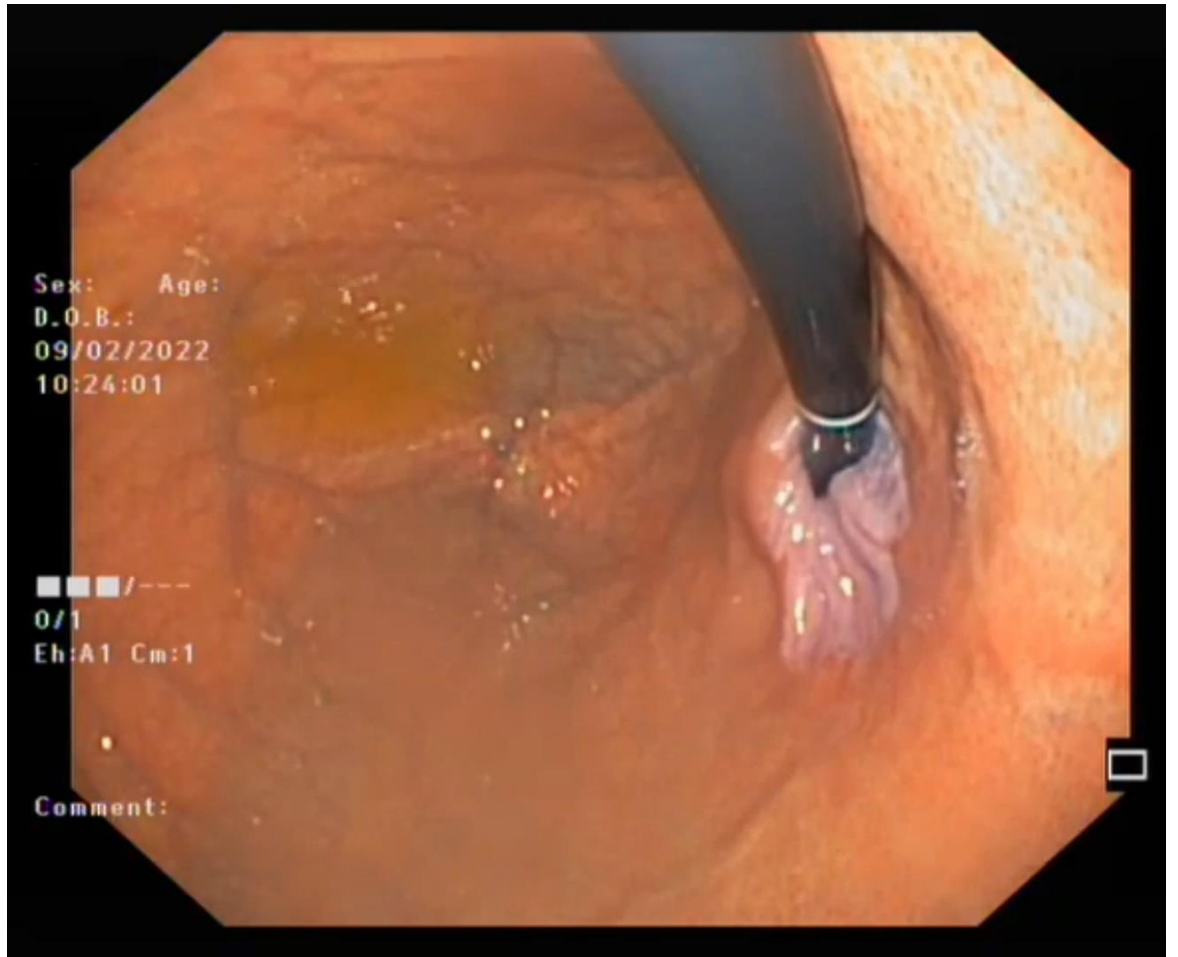
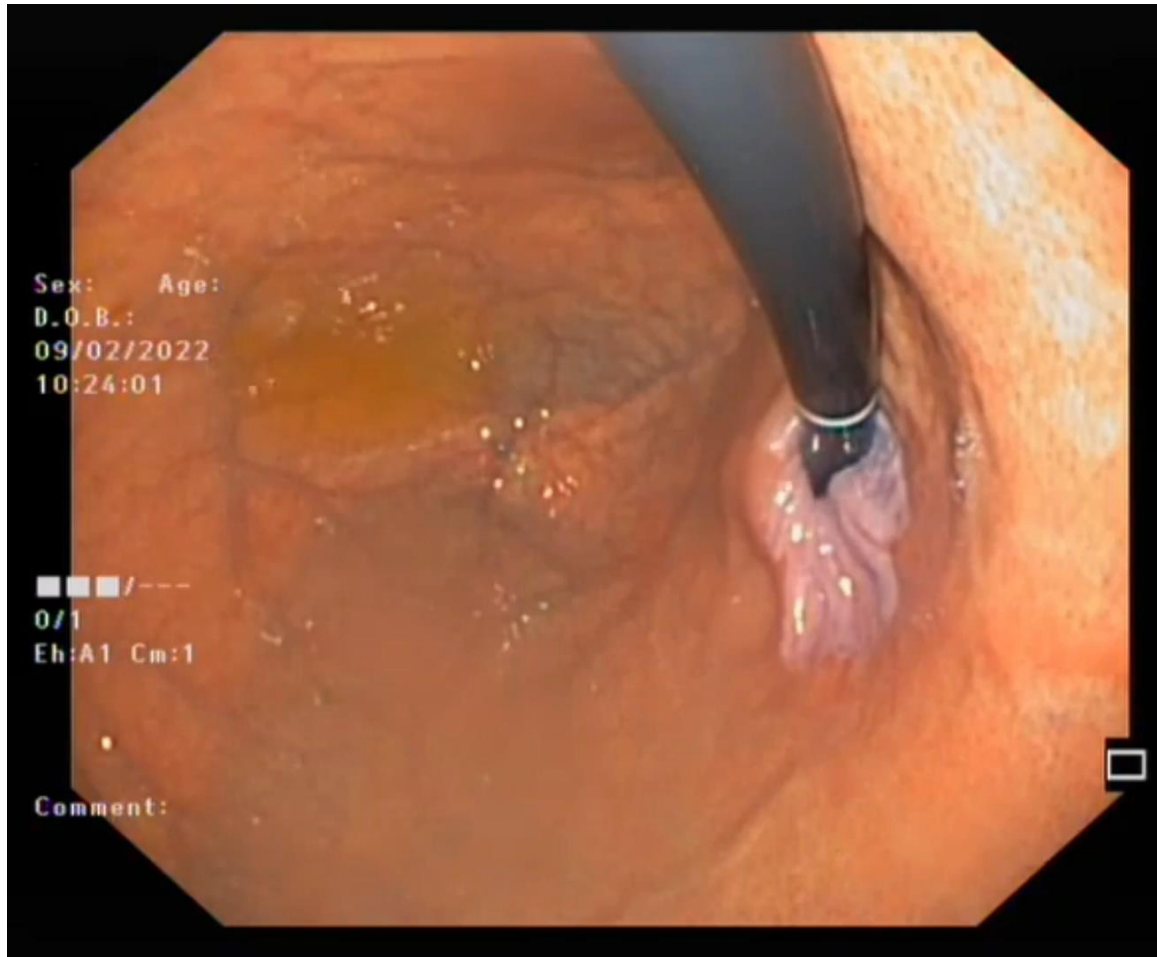
GERD + Obesity

GERD/HH
Obesity



TIF, cTIF, Surgical Fundo

ESG

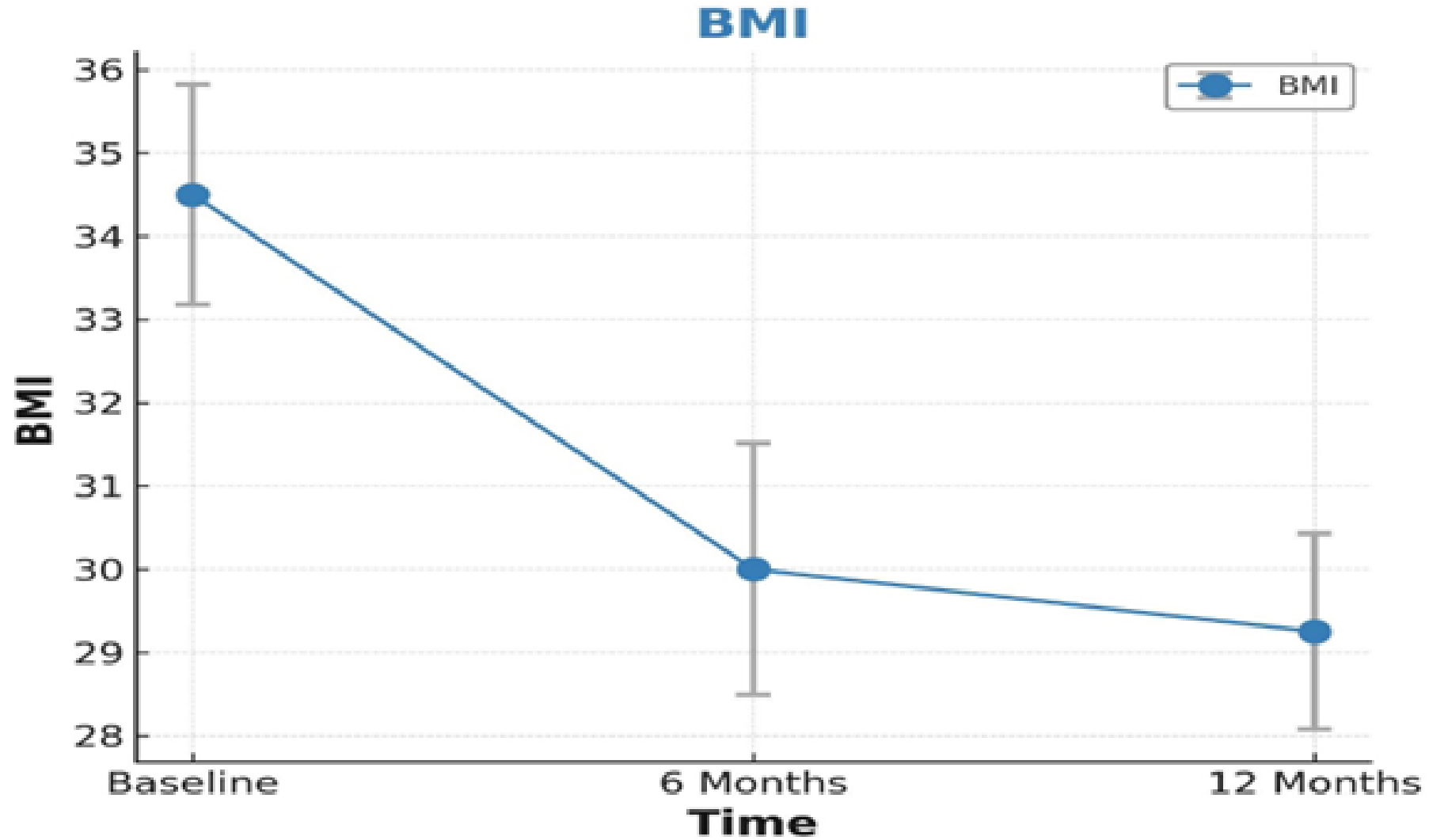




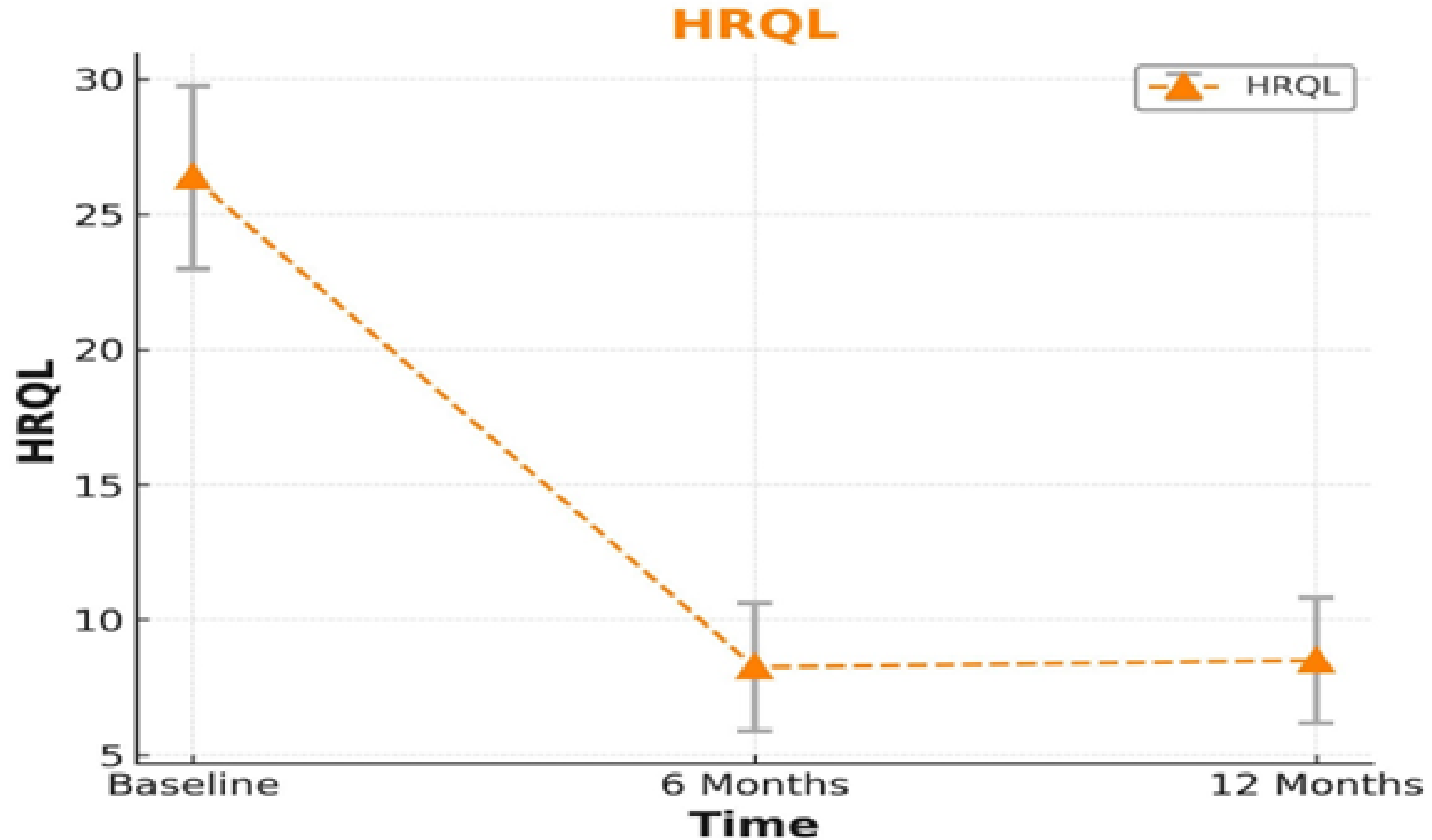
BASELINE

- N=8
- Mean age 39 ± 6.4 years
- 75% female
- Mean BMI 34.5 ± 3.7 kg/m²
- Mean HRQL 26.4
- Mean RSI 21
- Mean DeMeester Score 50

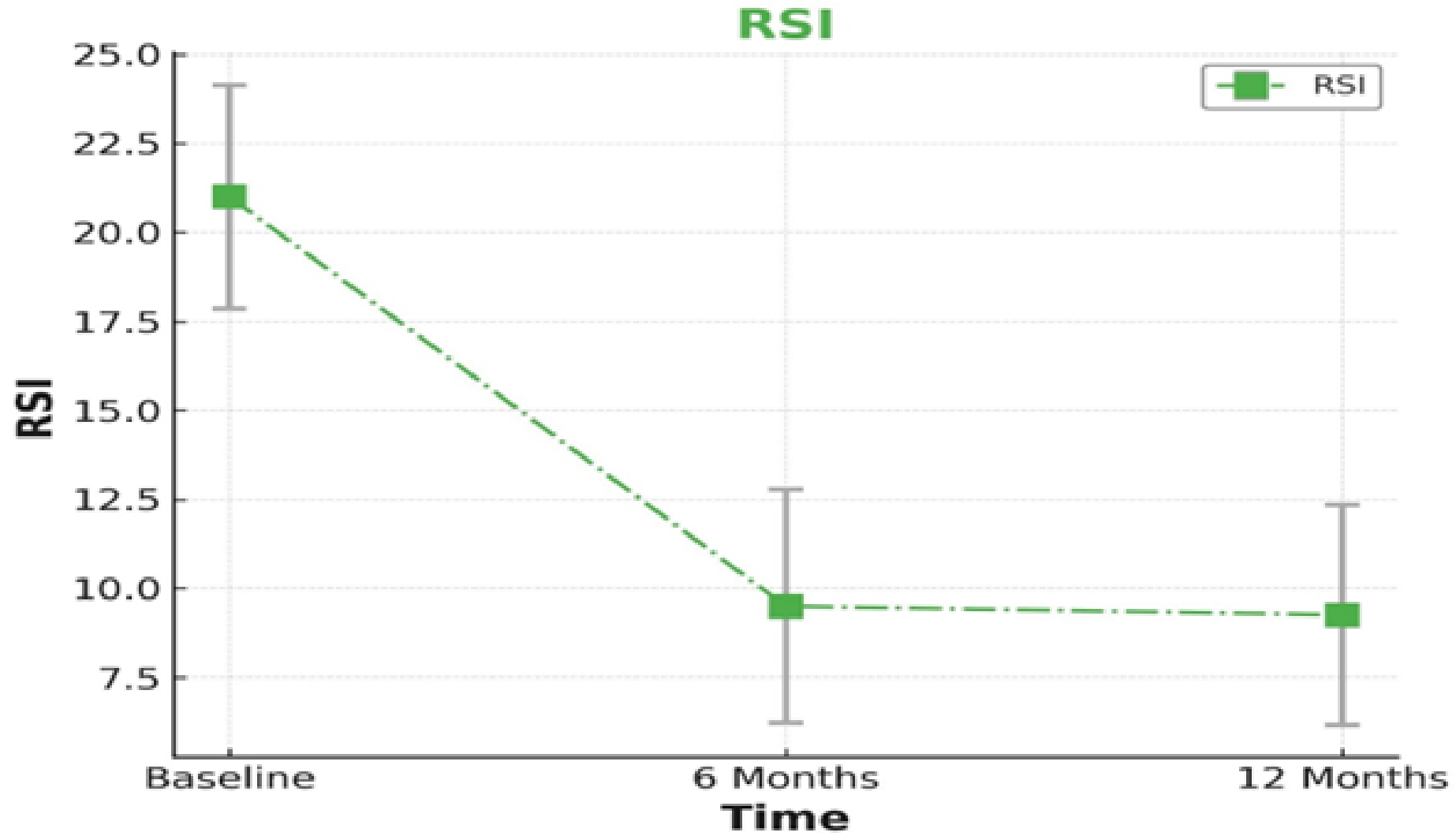
RESULTS (ALL PATIENTS OFF PPI BY MONTH 6)



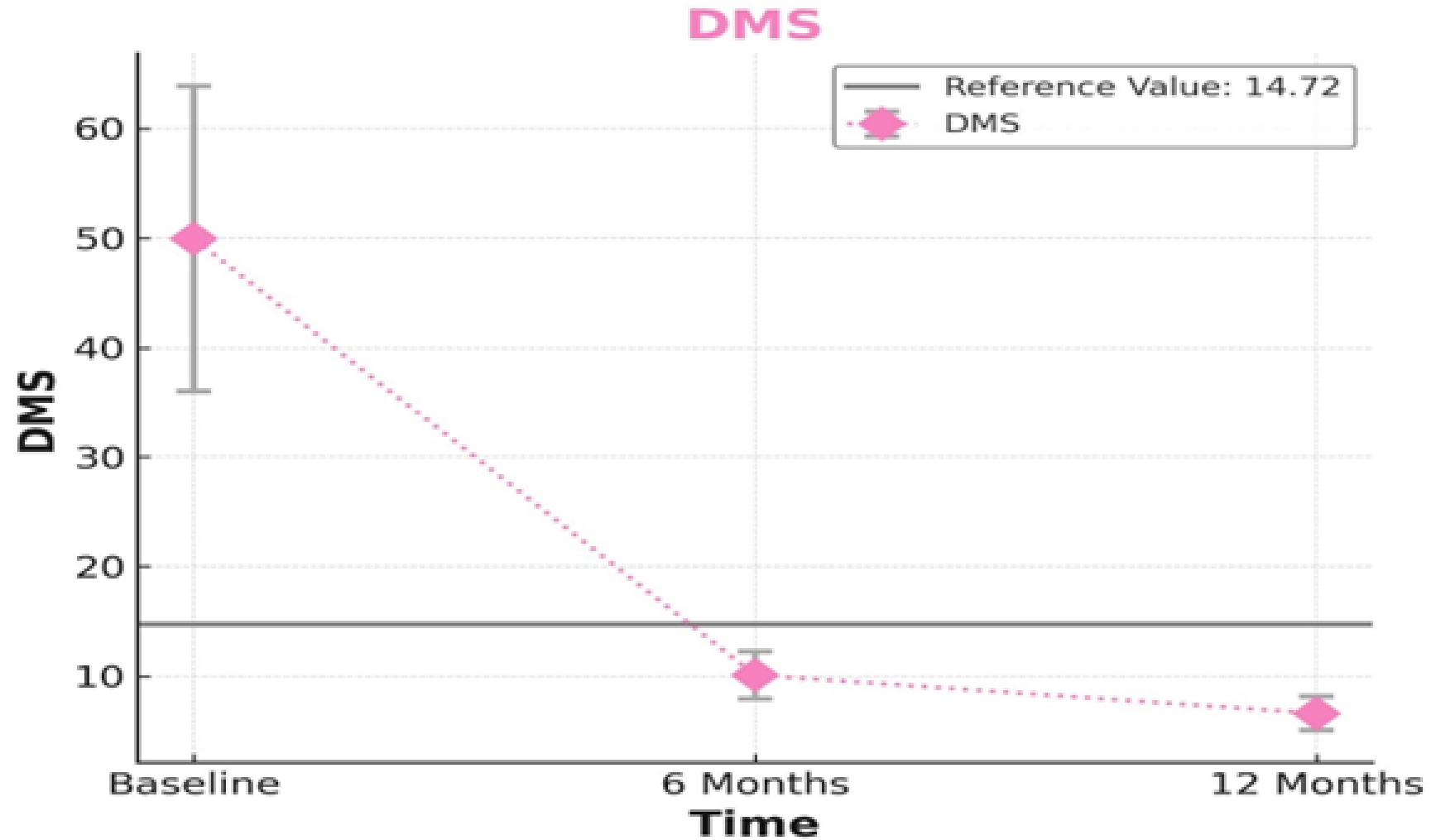
RESULTS (HRQL)



RESULTS (RSI)



RESULTS (OBJECTIVE PH MEASURES)



CONCLUSIONS

- This pilot study demonstrate that the F-ESG approach, merging TIF with ESG results in significant clinical improvements and normalization of acid exposure time with a favorable weight loss to minimize recurrence.
- Larger prospective trials needed.



THANK YOU