

# XXVIII IFSO World Congress

9-12 September 2025 | Santiago, Chile



## **Roux-en-Y Gastric Bypass and Sleeve Gastrectomy Risk-Adjusted Safety Profiles After Previous Fundoplication: A 499-Patient MBSAQIP Analysis**

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# Disclosure



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Nothing to Disclose.



# Introduction



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- Obesity and GERD frequently coexist
- Fundoplication effective, but failure rates up to 30% in obese patients
- Revisional options: Redo fundoplication, Bariatric surgery
- Evidence gap: safety outcomes of SG vs RYGB after prior fundoplication



# Methods



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- Objectives:
  - Compare 30-day serious complication rates between SG and RYGB
  - Identify predictors of adverse outcomes
  - Indications for SG or RYGB



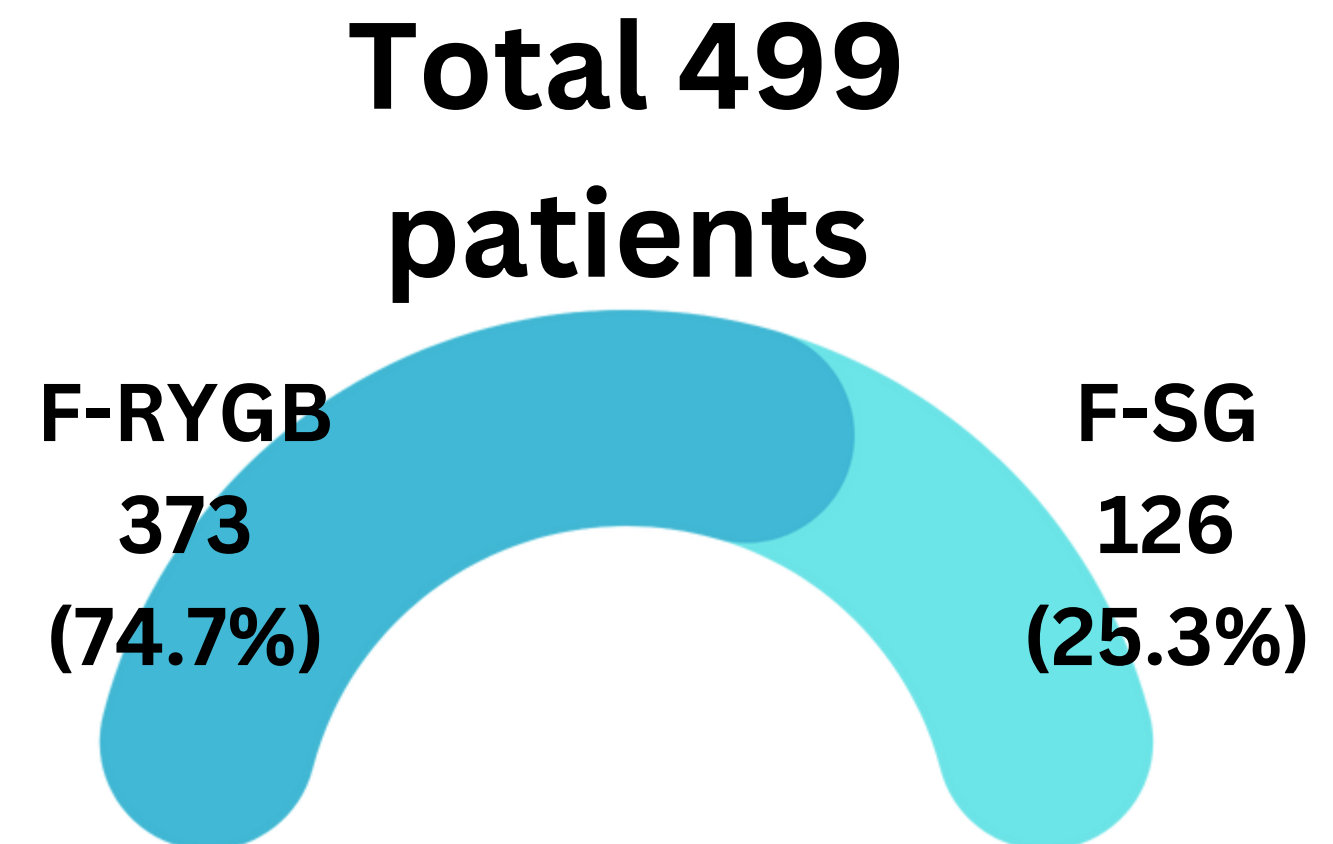


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# Results

- **Patient cohort**
  - Mean BMI: higher in F-SG (42.4 vs 40.1,  $p < 0.001$ )
  - GERD prevalence: higher in F-RYGB (73.7% vs 47.6%,  $p < 0.001$ )
  - No different in other comorbidities.



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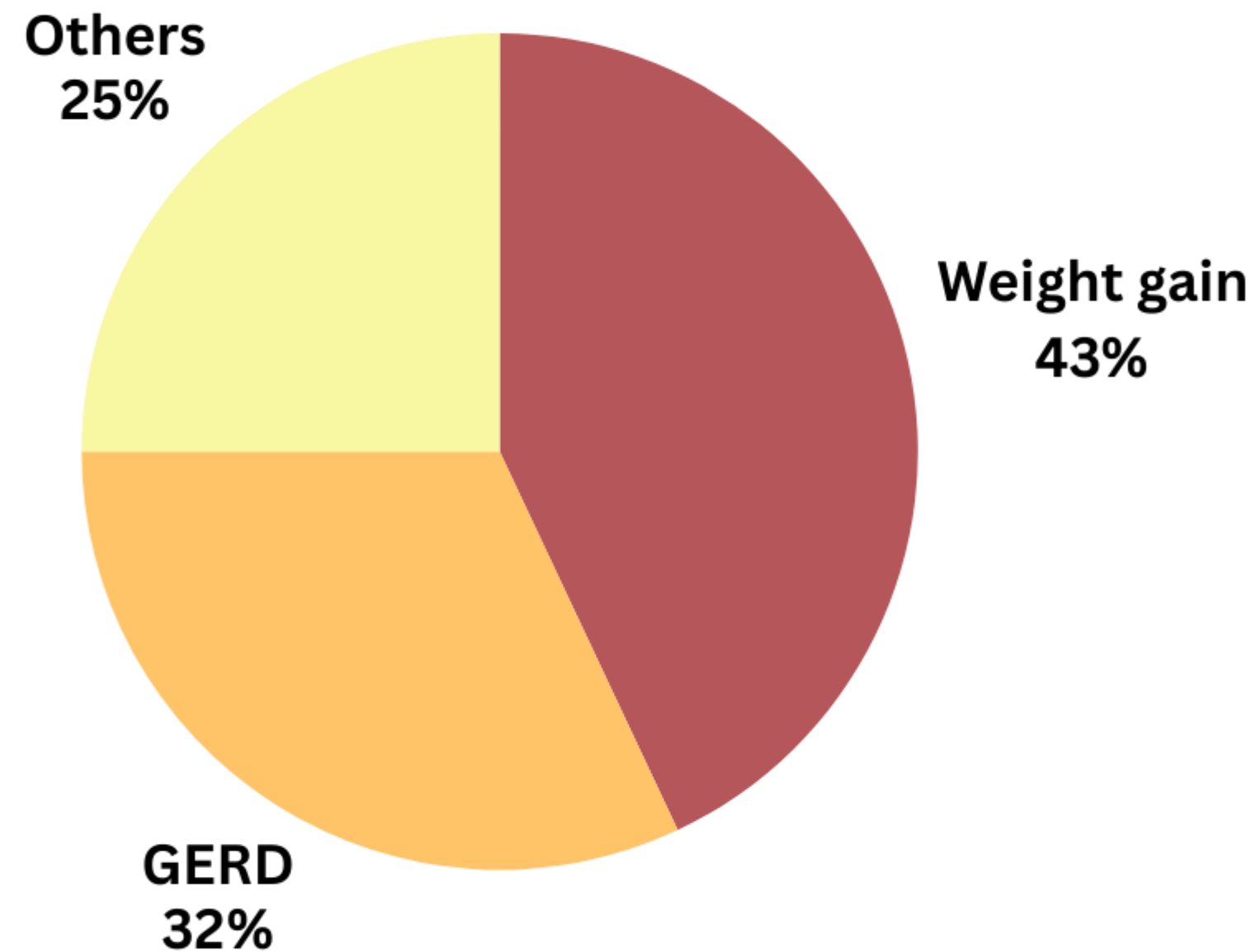


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# Results

- **Indications for surgery**



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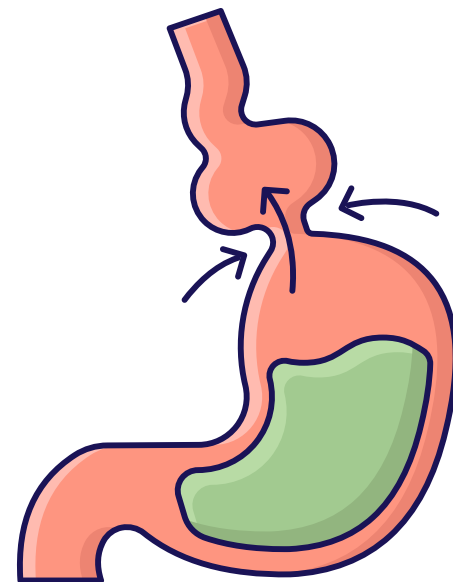


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# Results

## • Perioperative Outcomes



**Concomitant PEH repair  
F-RYGB vs F-SG  
(54% vs 26%,  $p < 0.001$ )**



**Operative time  
F-RYGB vs F-SG  
(200 vs 91 min,  
 $p < 0.001$ )**



**Length of stay  
F-RYGB vs F-SG  
(2.0 vs 1.3 days,  
 $p = 0.001$ )**

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# Results

- **Healthcare utilizations**

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**30-days**

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# Results



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## • 30-days Complications

Surgical complications	F-SG (n = 126)	F-F (n = ...)
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Surgical complications	F-SG (n = 126)	F-R (n = ...)
Superficial SSI	0 (0)	5

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# Results

## • 30-days Complications

Medical complications	F-SG (n = )
Cardiac events	0 (0)

## Serious Complications



**F-SG: 5 (4%)**  
**F-RYGB: 36 (9.6%)**  
**p = 0.045**

## Mortality



**F-SG: 0**  
**F-RYGB: 2 (0.5%)**

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# Results



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- **Multivariable analysis**

- Procedure type not an independent predictor of serious complications (OR 2.03, 95% CI: 0.68–6.09,  $p=0.207$ )
- Other factors (age, BMI, GERD, PEH repair) not significant

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# Conclusions



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- Both SG and RYGB are viable after prior fundoplication
- Unadjusted: higher serious complications in RYGB
- Adjusted: no difference → patient selection is key
- **RYGB remains the favored option for patients with obesity and persistent GERD**



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**Thank You**

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