

# Single-Port Sleeve Gastrectomy Clinical Outcomes

## A Comprehensive Analysis of 240 Patients

A Focus on Modern Surgical Practice

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November 30 th

# Study Overview & Patient Cohort

- **Primary Objective:** To evaluate the short-term outcomes, safety, and patient satisfaction of single-port sleeve gastrectomy.
- **Study Design:** Retrospective analysis / Clinical series (Specify as appropriate).
- **Patient Cohort:**
  - **N = 240** patients
  - Comprehensive follow-up on pain, recovery, complications, and satisfaction.

# Key Summary Metrics

**The Bottom Line: High Satisfaction, Rapid Recovery**

**Patient Satisfaction: 4.46 / 5 (89%)**

**Average Hospital Stay: 2.98 days**

**Post-op Pain (Day 4): 1.88 / 5 (Low)**

**Complication Score: 1.87 / 5 (Low to Moderate)**

**Conclusion:** A safe and effective procedure with excellent patient acceptance.

# Postoperative Recovery & Pain

- **Rapid Improvement in Early Recovery Metrics**

- **Pain Evolution:**

**Day 1: 2.64 / 5 (Moderate)**

**Day 4: 1.88 / 5 (Low)**

**Improvement: 29% reduction**

- **Oral Intake Tolerance:**

**Day 1: 2.24 / 5 (Moderate difficulty)**

**Day 4: 1.70 / 5 (Low difficulty)**

**Improvement: 24% improvement**

# Patient Satisfaction & Psychology

- **Overwhelmingly Positive Patient Feedback**

**Satisfaction Score: 4.46 / 5**

70% Very Satisfied (5/5)

20% Satisfied (4/5)

90% Positive Overall Experience

**Psychological Well-being:**

**Score: 3.81 / 5**

Generally positive state.

Early challenges: Fatigue and anxiety related to new diet.

# Complication Profile

## Managing Postoperative Risks

**Overall Complication Score: 1.87 / 5 (Low-Moderate)**

### Most Frequent Issues:

- Nausea/Vomiting (30% in Week 1)
- Dehydration
- Gastric reflux (15-20%)
- Healing problems (10-15%)

### Serious Complications (5-8%):

- Leaks/Fistulas (most severe)
- Stenoses requiring dilation
- Reoperations

# Early Weight Loss & Nutritional Transition

- **Promising Early Results**

- **Early Weight Loss**

**Day 15:** Average loss of **6-10 kg**

Some patients lost up to **12 kg.**

Rapid loss observed in the first two weeks.

- **Dietary Progression**

**Week 1:** Liquid diet, significant difficulties

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**Week 2:** Start of pureed foods, energy returns.

**Week 3+:** Gradual dietary diversification.

# Comparative Performance

Procedure	Pain (D1)	Satisfaction	Complications	Hosp. Stay
Sleeve SP	<b>2.64</b>	<b>4.46</b>	<b>1.87</b>	<b>2.98 d</b>
Bypass Ω	<b>2.04</b>	4.49	1.91	3.10 d
Bypass Y	2.83	4.46	<b>1.84</b>	1.84 d
Band	2.25	<b>4.50</b>	2.00	<b>1.75 d</b>

# Strengths & Areas for Improvement

- **Strengths:**

- Excellent pain control and rapid recovery.
- High patient satisfaction.
- Effective early weight loss.
- Improvement of co-morbidities (Diabetes, Hypertension).

- **Areas for Improvement:**

- Reinforce post-op dietary follow-up.
- Better pre-op counseling on expected sensations (fatigue, dietary challenges).
- Manage patient expectations regarding hospital stay.

# Conclusion

- **Single-Port Sleeve Gastrectomy: A Winning Choice**
- Single-port sleeve gastrectomy is a **safe, feasible, and effective** bariatric procedure.
- It is characterized by:
  - **High patient satisfaction (4.46/5).**
  - **A favorable complication profile.**
  - **Rapid post-operative recovery.**
  - **Significant early weight loss.**
- **Final Message:** It represents a balanced and highly successful option in the bariatric surgery arsenal.