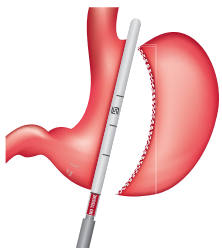


Does the Stapling Platform Influence Robotic Sleeve Gastrectomy Postoperative Outcomes?

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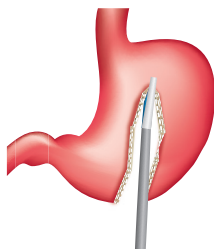
Methods

Retrospective, single-surgeon study of 257 consecutive robotic-assisted sleeve gastrectomies from 2016-2023 with 1-year postoperative follow-up.



Titan SGS™ Stapler Group

n=56 patients



Multi-Fire Stapler Group

n=201 patients

No significant differences in age, gender, comorbidities, or pre-op GERD between groups. Titan SGS™ Stapler group had higher baseline BMI (47.9 ± 0.9 compared to 44.2 ± 0.5, p=0.0004).

All 257 procedures performed by a single surgeon.

GERD and Other Results

Outcomes	Titan SGS™ Stapler	Multi-Fire Stapling	p-value
Reduced Rate of <i>de novo</i> GERD (1-year post-op)	1.8%	10.9%	p=0.005
Lower Rate of Reported Post-op GERD (1-year post-op)	7.1%	26.4%	p=0.002
Resolution of Pre-op GERD (1-year post-op)	25%	10.9%	p=0.005
Shorter Length of Stay	2.0 Days ± 0.03	2.2 Days ± 0.04	p=0.04
Zero 30-Day Readmissions**	0% (0)	4% (8)	p=0.2
No Post-Op Leaks/Infections/Reoperations	0%	0%	N/A

**Not statistically significant

Conclusions

Titan SGS™ Stapler is associated with these 1-year post-operative GERD outcomes:



Fewer Cases of *de novo* GERD



Reduced Incidence of Post-op GERD



Higher Resolution of Pre-op GERD

Other outcomes:



Shorter Length of Stay



No Post-op Leaks, Infections or Re-operations in Both Cohorts



Similar Surgical Time in Both Cohorts



Sleeve Shape Matters

Scan QR Code for Full Study