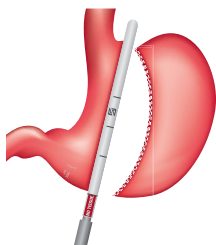


Perioperative Outcomes Using Single-Fire Stapler

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Methods

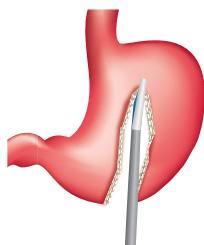
- 5 Surgeon Practice
- High volume institution



**LSG using
Titan SGS™
Stapler
without Buttress**

11/22 – 1/24

- 807 patients
- BMI 47.1
(IQR 43.5–52.1)



**LSG using
Sequential
Fire Stapling
with Buttress**

09/16 – 09/21

- 3829 patients
- BMI 47.6
(IQR 43.1–53.3)

Retrospective chart review
performed on perioperative outcomes
up to 1-year post-op

Results

After Propensity Matching
(n=783 for both cohorts)

Outcomes	Titan SGS™ Stapler	Sequential Fire Stapling	p-value
Decreased Operative Duration	47 min (IQR 38-60)	55 (IQR 41-69)	p=<0.01
Decreased LOS (Same Day Surgery)	301 (38.4%)	3 (0.4%)	p=<0.01
Decreased Re-admission (by 30 days)	13 (1.7%)	35 (4.5%)	p=<0.01
Less Post-Op Nausea/Vomiting (by 30 days)	72 (9.2%)	83 (10.6%)	p=0.36
Post-Op Bleeds (within 72 hours)**	5 (0.6%)	4 (0.5%)	p=0.74
Post-Op Leaks (by 30 days)**	0 (0.0%)	4 (0.5%)	p=<0.02

**Not statistically significant

Conclusions



**Safe and effective
surgical stapler**



**Decreased
operative duration**



**Improved hospital
LOS, readmission, and less
post-op nausea/vomiting**



Zero Leaks**



**Similar post-op
bleed rate to sequential
fire stapling**



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