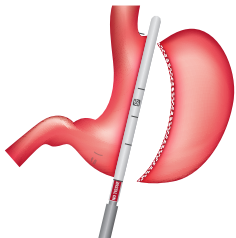


Perioperative Outcomes Using Single-Fire Stapler

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Dr. Schram and Dr. Foote are paid consultants of Teleflex.

Methods

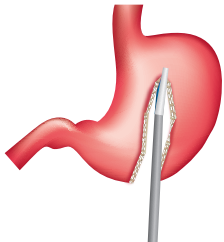
5 Surgeon Practice
High volume institution



**LSG using Titan
SGS™ Stapler**

Nov 2022 – Jan 2024

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



**LSG using Sequential
Fire Stapling**

Sep 2016 – Sep 2021

- 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)

	Titan SGS™ Stapler	Sequential Fire Stapling	p-values
Decreased Operative Duration	47 min (IQR 38-60)	55 min (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

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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