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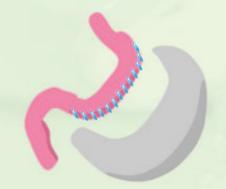
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# STAPLE USAGE COMPARISON BETWEEN SUCTION CALIBRATION SYSTEM AND RUBBER BOUGIE IN LSG

#### **BACKGROUND**

Laparoscopic sleeve gastrectomy (LSG) procedures are growing in popularity which makes it important for institutions to be as efficient as possible. SCS devices have been shown to reduce corkscrewing during the stapling process in LSG procedures which would also mean a shorter staple line. This shorter staple line may translate to a decrease in staple usage.

#### **OBJECTIVE**

To compare the staple usage between a suction calibration system (SCS) and a rubber bougie (RB).

#### **METHODS**

Surgical case records were retrospectively examined directly before and after the switch from using a RB to a SCS to determine the number of staples used.

### **RESULTS**

There were 51 patients in both the RB and SCS groups (n=102). The mean number of staples used for the RB and SCS group respectively were 5.40 and 5.07 (p=0.02). There was no significant difference in mean between the RB and SCS groups in age (47.4, 45.0, p=0.27), female/male ratio (0.86, 0.84, p=0.78), or BMI (41.8, 42.7, p=0.52).

#### CONCLUSION

The data suggests a savings of 0.33 staple loads per case over this period due to switching to a SCS. That translates in to saving a staple approximately every third case. With bariatric staple loads costing upwards of over \$400 per staple, this could mean significant savings for institutions who implement the use of a SCS in their LSG procedures.

