COMPARING MORBIDITY AND FACTORS SELECTIVE OF PRIMARY SADI-S VS BPD-DS

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INTRODUCTION

- ✓ SADI-S and BPD-DS are increasingly used as effective bariatric procedures
- ✓ As the frequency of these procedures increases, comparison of short-term morbidity and patient selection will be pertinent to provide optimized care

OBJECTIVES

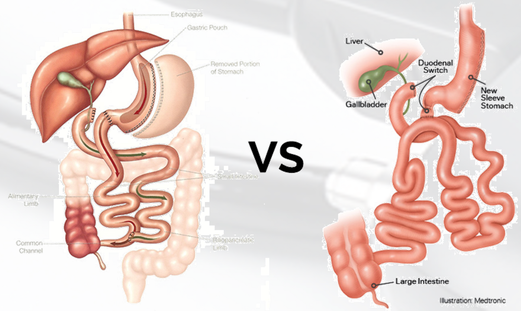
- ✓ Establish the prevalence and factors selective of each procedure
- ✓ Determine the morbidity and factors predictive of 30-day complications for each procedure

METHODS

- ✓ Data extracted from the **MBSAQIP** registry between 2020 and 2022.
- ✓ Two cohorts created with patients that underwent laparoscopic or robotic procedures: one for SADI-S, one for BPD-DS. Multivariate logistic regression models were created.

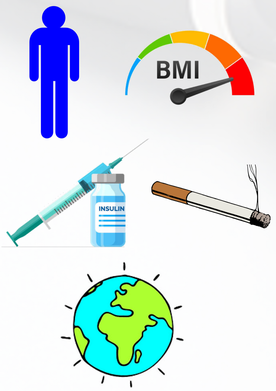
RESULTS

14927 procedures done



BPD-DS (82.2%) **SADI-S** (17.8%)

Factors favouring selecting **BPD-DS**



Non-white race

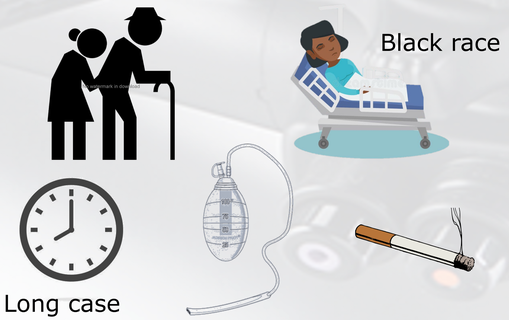
Factors favouring selecting **SADI-S**



More recent surgery

30-day complications (%)	SADI-S	BPD-DS
Leak	14 (0.5)	68 (0.6)
Bleed	31 (1.2)	141 (1.2)
Reoperation	51 (1.9)	251 (2.1)
Reintervention	26 (1.0)	120 (1.0)
Readmission	110 (4.1)	531 (4.3)
Any cardiac complication	4 (0.2)	21 (0.2)
Pneumonia	17 (0.6)	42 (0.3)
Sepsis	9 (0.3)	28 (0.2)
SSI		
Superficial	8 (0.3)	43 (0.4)
Deep	2 (0.1)	6 (0.1)
Organ space	18 (0.7)	75 (0.6)
Wound disruption	0 (0.0)	9 (0.1)
VTE	12 (0.5)	69 (0.6)
PE	6 (0.2)	26 (0.2)
Stroke	0 (0.0)	2 (0.0)
AKI	9 (0.3)	27 (0.2)
AKI requiring dialysis	6 (0.2)	8 (0.1)
Serious complication	113 (4.3)	533 (4.4)

Factors predicting serious complications



Long case

CONCLUSIONS

- ✓ Both BPD-DS and SADI-S are increasing in frequency.
- ✓ After adjusting for comorbidities, complication rates between both procedures are similar.
- ✓ Patients who are more comorbid or have higher BMI were more likely to undergo BPD-DS, but patients were more likely to undergo SADI-S in recent years.

WHAT'S NEXT?

- ✓ Longer term comparative studies are required to compare long-term efficacy and metabolic outcomes and complication rates between these two procedures.

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