We evaluated all who underwent DS (6 underwent Regular DS and 10 underwent Loop DS) after their failed RYGB. This has associated with failure rates as high as 30% at 5 years. One of the widely used bariatric surgeries is Roux en-Y Gastric Bypass (RYGB). This has associated with failure of the patient who had failed RYGB and were converted to DS, in terms of their weight loss. The purpose of this study was to evaluate the outcomes we performed the duodenal switch (DS) in patients for whom Roux-en-Y gastric bypass have failed.

We evaluated all who underwent DS (6 underwent Regular DS and 10 underwent Loop DS) after their failed RYGB. All surgeries were performed by single surgeon at single institute. We retrospectively reviewed the data that included age, BMI, estimated blood loss and length of stay. Change in BMI and weight loss between pre-op and post-op follow up were evaluated.

### Method
- We evaluated all who underwent DS (6 underwent Regular DS and 10 underwent Loop DS) after their failed RYGB.
- All surgeries were performed by single surgeon at single institute. We retrospectively reviewed the data that included age, BMI, estimated blood loss and length of stay.
- Change in BMI and weight loss between pre-op and post-op follow up were evaluated.

### Results
#### Demographic characteristics
- Age (years): 51.1875 ± 9.874
- Pre-op Weight(lbs): 282.1688 ± 73.917
- Pre-op BMI: 46.10938 ± 10.633

#### Operative Details
- N: 16
  - Regular Duodenal Switch: 6
  - Loop Duodenal Switch: 10
- Mean Length of stay: 4.533333
- Mean Estimated Blood loss: 41.811822

#### Complications
- Short Term Complications: 12%
- Long Term Complications: 6%
- No Complications: 82%

#### Weight Loss Analysis
- Total body weight loss (lbs): 32.79 ± 60.53 ± 82.85 ± 94.97 ± 97.46
- Total body weight loss (%): ±4.94 ± 7.09 ± 10.4 ± 14.5 ± 10.90
- BMI reduction (kg/m²): ±2.008 ± 2.863 ± 4.34 ± 36.071 ± 7.889
- BMI reduction (%): ±%EBMIL
- Short Term Complications: ±16 ± 29.9 ± 20.7 ± 32.8 ± 36.7
- Long Term Complications: ±%EBW

#### Average Excess BMI Loss Percentage
- % Excess BMI Loss: 10.00% 20.00% 30.00% 40.00% 50.00% 60.00% 70.00% 80.00% 90.00% 100.00%
- Months: 3 6 12 >12

#### Average Excess Body Weight Loss
- % Excess Body Weight Loss: 0% 20% 40% 60% 80% 100%
- Months: 3 6 12 >12

#### Weight Loss (lbs)
- Weight Loss: 0-3 months ± 200 300 400 500 600 700 800 900 1000
- Days since surgery: 0 20 40 60 80 100 120 140 160 180 200

#### Reduction in BMI (kg-m⁻²)
- % Excess body weight loss: 0% 20% 40% 60% 80% 100%
- Days since surgery: 0 20 40 60 80 100 120 140 160 180 200

### Conclusion
- Laparoscopic revision from Gastric Bypass to Duodenal switch shows effective weight loss results in short term follow up of 1 year.
- There was no dumping syndrome and no incidents of diarrhea in this limited sample size.
- While follow up is short there were no micro nutrient deficiencies in this cohort.
- Future analysis is needed on long term follow up, evaluation of quality of life and risk of micronutrient deficiency.