

# One Anastomosis Gastric Bypass (OAGB) vs Roux en Y Gastric Bypass (RYGB) after failed Vertical band gastroplasty (VBG): a Prospective Cohort Study

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I have no potential conflict of interest to report.

# Introduction

- **Vertical band gastroplasty (VBG) was a popular bariatric surgery decades ago, but has been abandoned due to its high failure rate and complications.**
- **Long-term outcomes following VBG indicate that over 50% of patients ultimately necessitate revisional surgery due to complications or weight regain.**

# Methods

- **Prospective cohort study was conducted to compare effectiveness of OAGB and RYGB as a revisional surgery after failed VBG**
- **Patients were followed from December 2021 to January 2024 at Bariatric surgery department, Ain Shams University.**
- **One hundred and sixteen patients were enrolled. 66 patients for OAGB and 50 patients for RYGB were analyzed with a 2-year follow-up**

## Results

- RYGB took longer time ( $142.52 \pm 7.31$ ) compared to OAGB ( $118.73 \pm 4.52$ ).
- No significant difference concerning short term morbidity.
- There was a significant difference in BMI loss between OAGB and RYGB at 1 and 2 year follow up. (More BMI loss after OAGB than RYGB)
- 18.2 % of patients who underwent OAGB suffered from bile reflux, compared to 4% in the RYGB and 2 cases underwent conversion to RYGB.
- More nutritional deficiency after OAGB.

# Conclusion

- **Both revisional RYGB and OAGB have comparable significant weight loss effects when performed after failed VBG.**
- **After a 2-year follow-up, both procedures were safe, with no significant differences in the occurrence of complications.**