# SELECTIVE SEROTONIN REUPTAKE INHIBITORS WEIGHT EFFECTS AFTER VERTICAL SLEEVE GASTRECTOMTY

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## Introduction

- Mental health diseases such as depression are prominent in the bariatric population.
- Among bariatric patients, antidepressants are amongst the most prescribed drugs.
- Serotonin reuptake inhibitors (SSRIs) are the most used antidepressant.

## Purpose

The purpose of our study was to review and compare weight loss outcomes after Vertical Sleeve Gastrectomy (VSG) in patients with and without SSRIs.

Most research prior to this focused solely on gastric bypass procedures.

## Methods

- Retrospective chart review
- Single bariatric center located in Abington, PA
- Inclusion criteria:
  - Patients who underwent VSG
  - Between 2011 to 2018
  - 2-year post surgery follow-up
- 351 patient charts reviewed
- Two focus groups:
  - Patients taking an SSRI prior to surgery
  - Patients who never took an SSRI prior to surgery or 2 years after

## Results

| | pre-operative | | 1 year post-opeartive | 2 years post-operative | | |
|---|---|---|---|---|---|---|
| | weight (lbs) | BMI | % EWL | BMI | % EWL | p value |
| SSRI | 263.64 | 43.52 | 47.74 | 33.39 | 46.94 | >0.05 |
| No SSRI | 307.87 | 45.97 | 53.25 | 35.43 | 47.66 | >0.05 |

## Conclusion

Patients taking SSRIs for depression compared to patients not taking SSRIs with depression who undergo VSG do not have a statistically significant weight loss difference in the 2-year post operative period.

## References

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