Early postoperative characteristics predictive of favorable weight loss outcomes in bariatric surgery

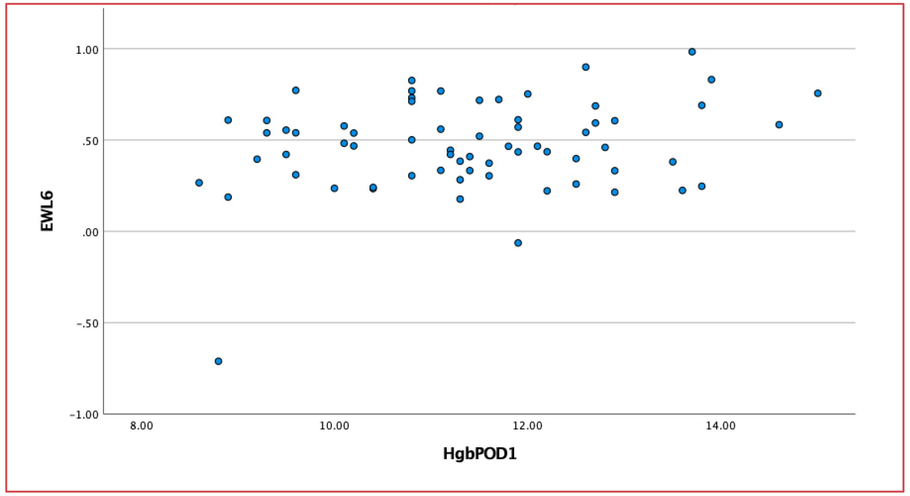
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HYPOTHESIS

If the quality of surgery can be associated with postoperative metrics, then positive outcomes from bariatric surgery can be associated with certain labs, such as Hgb levels.

Estimated weight loss at 6 months post op vs. hemoglobin on post operative day 1



RESULTS

- 101 out of 104 patients analyzed had post op labs
- **Higher Hgb on POD1 was correlated with greater excess weight loss at 6 months post op**
- Hgb on POD1 was not significantly correlated with comorbidities
- POD1 Hgb was not associated with intraoperative blood loss

METHODS

Patients undergoing gastric bypass or duodenal switch surgery from July 2018 to January 2021 at a large health care system were captured in a database. Bivariate Pearson's correlation was used. Significant variables were included in a multivariable linear regression model. Two-tailed p-value < 0.05 was considered significant.

CONCLUSION

POD1 Hgb could provide surrogate quality indicators of weight loss surgery. However, this is preliminary and longer-term follow-up is needed.

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