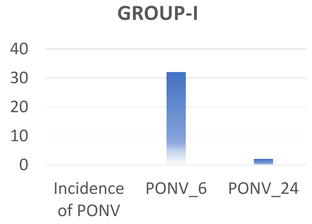
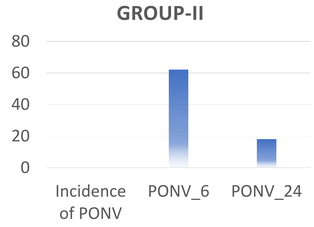
Effect Of Intravenous Scopolamine Before Stapling On Postoperative Nausea And Vomiting In Sleeve Gastrectomy Patients. A Randomised Controlled Trial.

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INTRODUCTION

- Postoperative nausea and vomiting (PONV) are common complications of general anesthesia further potentiated in an obese patient undergoing bariatric procedure.
- Trials of myriad of drugs alone or in combination, as a prophylaxis for this cohort of patients with varied results.





OBJECTIVES

- To determine the effect of intravenous scopolamine prior to stapling in obese patients undergoing sleeve gastrectomy.

METHODOLOGY

- Patients with BMI >35kg/m^2, undergoing sleeve gastrectomy.
- Group 1 (receiving scopolamine before first staple), Group 2 (placebo).
- Primary outcome parameter PONV.
- Secondary outcome parameters were use of rescue antiemetic and time to oral intake.

VARIABLE	GROUP-I (n=50)	CONTROL GROUP (n=50)	P VALUE
AGE	35.22 +/- 10.620	32.94 +/- 10.243	0.481 (NS)
GENDER (M/F)*	29/21	28/22	_
BMI (kg/m^2)	43.71	44.41	0.058 (NS)
PONV **	31.4%	60.8%	-
PONV SCORE AT 6h	1.16 +/- 3.79	16.96 +/- 26.56	0.526 (NS)
PONV SCORE AT 24h	0.04 +/- 0.28	6 +/- 13.89	0.667 (NS)
MEAN PONV SCORE	1.2 +/- 3.90	22.96 +/- 38.82	0.595 (NS)
RESCUE ANTIEMETIC**	12%	34%	-
TIME TO ORAL INTAKE	2.8+/-1.07	3.08+/-1.75	0.001 (S)

RESULTS

- PONV occurred in 31.4% (group 1) vs 60.8%(group 2).
- Group 1 vs Group 2 PONV score, 1.16+/-3.79 vs 16.96+/-26.56 at 6 hours and 0.04+/-0.28 vs 6.00+/-13.89 at 24 hours.
- Group 1 had lesser use of rescue antiemetic and earlier oral intake.

CONCLUSION

- PONV in obese patients undergoing LSG occurs less frequently in the scopolamine group. Further trials are needed to validate the results.

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