

# 14<sup>th</sup> GLOBAL OBESITY MEETING

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## Hyoscine butylbromide: A study of its use as an antispasmodic in bariatric surgery

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**Background:** During bariatric surgery one of the challenges is spasm of stomach and small intestine especially during measuring the exact length of small intestine.

**Introduction:** Pharmacological studies revealed that hyoscine butylbromide is an anticholinergic drug with high affinity for muscarinic receptors located on the smooth-muscle cells of the GI tract that cause smooth-muscle relaxation.

**Objectives:** This study focuses on effect of hyoscine butylbromide as an antispasmodic drug and is helpful during bariatric surgery to relax the tonicity of stomach and small intestine.

**Methods:** We started use of hyoscine butylbromide since March 2016 and applied for 20 patients randomly and compare with control group. Our comparative factors were number of staplers, number of endoclips for hemostasis, time of surgery. Dose of hyoscine 40 mg in 100 cc N/S for 10 minutes before stapling till 30 minutes.

**Results:** From 20 patients under study average BMI 43.3, female 13, male 7, average age 34, sleeve 7, MGB 10, RNYGBP 3, average time of surgery sleeve 45 min, MGB 48 min, RNYGBP 66 min. Average number of stapler sleeve 5, MGB 5, RNYGBP 4. Average number of endoclips is sleeve 4, MGB 7, RNYGBP 5. In control group from 20 patients average BMI 42.5, female 12, male 8, average age 35.6, number of sleeve 8, MGB 9, RNYGBP 3, average time of surgery sleeve control group 53 min, MGB 58 min, RNYGBP 78 min. Average staplers sleeve control group 6, MGB 6, RNYGBP 4. Average number of endoclips sleeve control group 13, MGB 16, RNYGBP 10.

**Conclusion:** These clinical results support the use of hyoscine in a range of indications related to spasm of GI tract during bariatric surgery, than stapling of stomach and measurement of small intestine become much easy and exact.

### Biography

Syed Imran Abbas is a Consultant Laparoscopic Metabolic and Bariatric Surgeon Dubai Health Authority, Dubai and Medical Specialists Centre Dubai, Life Line Hospital Dubai, Iranian Hospital Dubai. He has completed his Doctor of Medicine degree from Qazvin University of Medical Sciences and Health Services in Iran and Iranian Diplomat of Board of General Surgery from Tehran Medical University in Iran.

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