

Eight-Year Experience with Double Pigtail Stent Drainage for the Management of Post-Bariatric Surgery Complications in the United Arab Emirates

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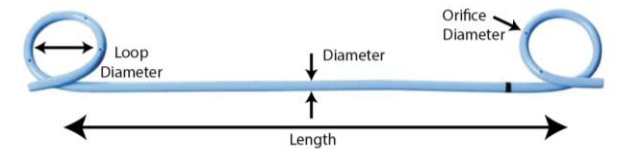
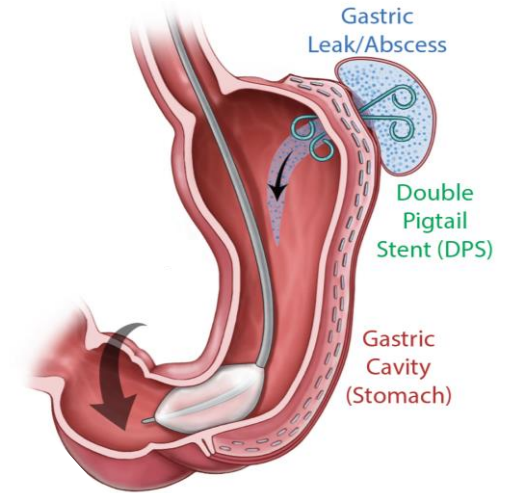
Disclosures

None



Background

- Despite the low risk of complications after bariatric surgery (BS), leaks continue to pose treatment challenges
- Endoscopic Internal Drainage (EID) with double pigtail stents (DPS) has become a valuable technique for management of leaks



Objective

- This study evaluates the safety and efficacy of EID with DPS for the management of leaks in the United Arab Emirates



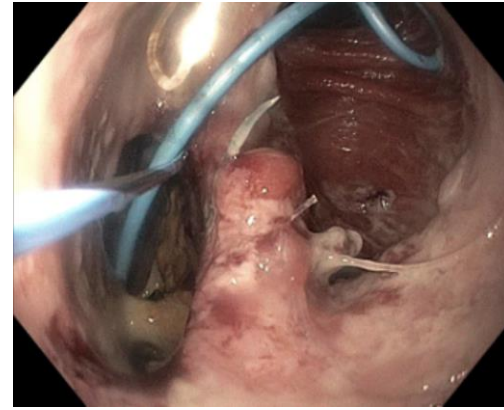
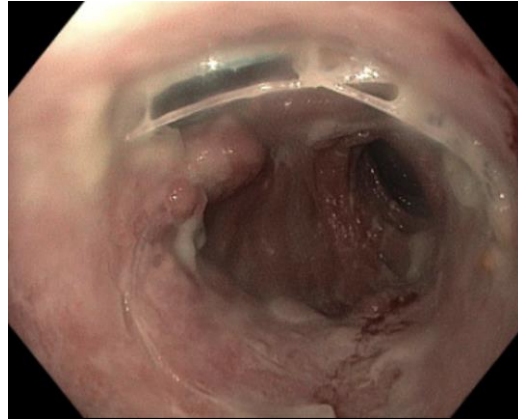
Methodology

- Retrospective study
- We evaluated outcomes of 32 patients undergoing EID with DPS for management of leaks after BS
- All primary procedures done in OSH

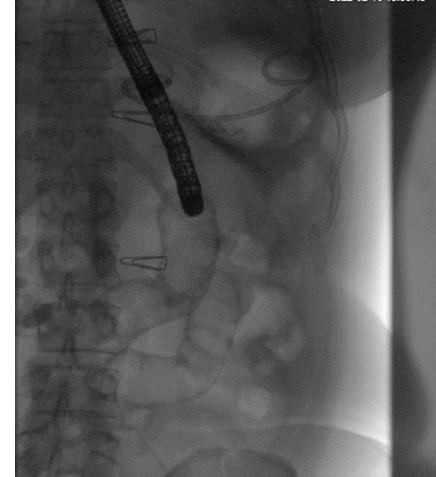
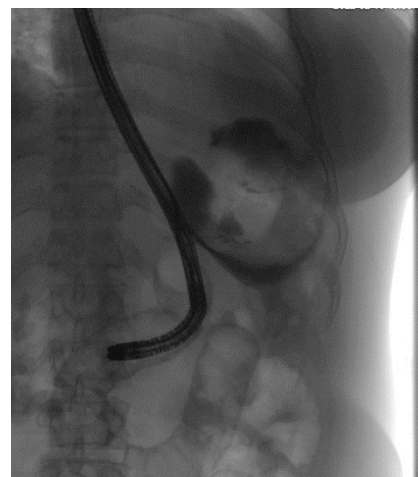
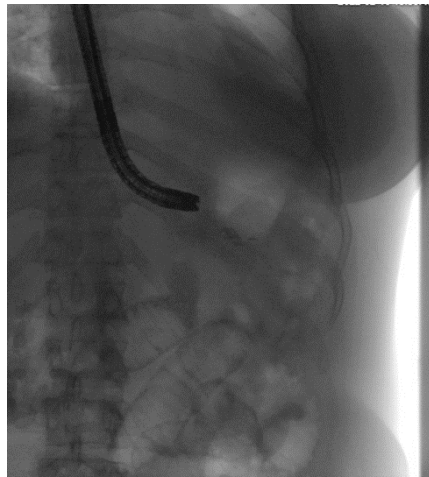


Technique

Endoscopic view



Fluoroscopy view



Surgical Procedures

	n	%
Type of bariatric procedure		
Sleeve gastrectomy	23	72
Roux-en-Y Gastric bypass	7	22
One-Anastomosis-Gastric Bypass	2	6
Total	32	100

Leak Type	N (%)
Acute Leaks (≤ 7 days)	0 (0)
Early Leaks (8-42 days)	14 (43.7)
Late Leaks (43-84 days)	4 (12.5)
Chronic Leaks (>84 days)	14 (43.7)

Clinical response and follow-up

- Tolerance of the procedure occurred in all the patients
- Early oral intake (48 hours) 28 patients (87.5%)
- Resolution of the leak 30 patients (93.7%)
 - Partial gastrectomy and esophagojejunostomy



Clinical response and follow-up

- DPS placement
 - ✓ Single treatment 22 patients (68.7%)
 - ✓ Multiple treatments 10 Patients (31.3%)
- Resolution
 - ✓ Within 30 days 10 patients (31.3%)
 - ✓ After 22 patients (68.7%)
- There were **no mortalities** at a mean follow-up of 7 months



Conclusion

- Favorable safety profile
- High efficacy resolving leaks after BS
- EID with DPS should be considered as a treatment option for chronic or complex cases of leak (13/14)



**Take
home message*

Thank you



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