

Supplementary Materials

Stage dependent management of sleeve gastrectomy leaks - a systematic review with proposed classification and management algorithm

Mina Guirgis¹, Qiuye Cheng^{1,2}, Daniel Leonard Chan^{1,2,3,4}, Thomas James Opperman³, Oliver M. Fisher³, Michael Leonard Talbot^{1,2,3,4}

¹Upper Gastrointestinal Surgery Unit, Department of Surgery, St George Hospital, Sydney 2217, Australia.

²St George and Sutherland Clinical School, Faculty of Medicine, Department of Surgery, University of New South Wales, Sydney 2217, Australia.

³School of Medicine, Western Sydney University, Sydney 2135, Australia.

⁴Upper Gastrointestinal and Metabolic Research Foundation, Sydney 2217, Australia.

Correspondence to: Dr. Qiuye Cheng, Upper Gastrointestinal Surgery Unit, Department of Surgery, St George Hospital, Sydney 2217, Australia. E-mail: info@drqiuyecheng.com.au

Appendix

Search strategy

NCBI PubMed.gov

US National Library of Medicine National Institutes of Health

Table 1. PubMed search as of 30/10/2019

Population	Population	Intervention	Comparison/Outcomes
Patients undergoing laparoscopic sleeve gastrectomy	Postoperative leak	All	Nil/ Nil
1. laparoscopic sleeve gastrectomy	4. leak	9. treatment	
2. laparoscopic gastric sleeve	5. abscess	10. management	
	6. fistula		
	7. collection		
3. 1 OR 2	8. 3 OR 4 OR 5 OR 6	11. 9 OR 10	
3 AND 8 AND 11			
(((laparoscopic sleeve gastrectomy OR laparoscopic gastric sleeve)) AND (leak OR abscess OR fistula OR collection)) AND (treatment OR management OR intervention)			

Inclusion criteria: Laparoscopic sleeve gastrectomy patients with postoperative leaks

Exclusion criteria: Case reports (<3 patients); letters; editorials; perspectives; reviews

Search details:

((("laparoscopy"[MeSH Terms] OR "laparoscopy"[All Fields] OR "laparoscopic"[All Fields]) AND sleeve[All Fields] AND ("gastrectomy"[MeSH Terms] OR "gastrectomy"[All Fields])) OR ("laparoscopy"[MeSH Terms] OR "laparoscopy"[All Fields] OR "laparoscopic"[All Fields]) AND ("stomach"[MeSH Terms] OR "stomach"[All Fields] OR "gastric"[All Fields]) AND sleeve[All Fields])) AND (leak[All Fields] OR ("abscess"[MeSH Terms] OR "abscess"[All Fields]) OR ("fistula"[MeSH Terms] OR "fistula"[All Fields]) OR collection[All Fields])) AND (("therapy"[Subheading] OR "therapy"[All Fields] OR "treatment"[All Fields] OR "therapeutics"[MeSH Terms] OR "therapeutics"[All Fields]) OR ("organization and administration"[MeSH Terms] OR ("organization"[All Fields] AND "administration"[All Fields]) OR "organization and administration"[All Fields] OR "management"[All Fields] OR "disease management"[MeSH Terms] OR ("disease"[All Fields] AND "management"[All Fields]) OR "disease management"[All Fields]) OR ("methods"[MeSH Terms] OR "methods"[All Fields] OR "intervention"[All Fields])) AND (("2010/01/01"[PDAT] : "3000/12/31"[PDAT]) AND "humans"[MeSH Terms])