

**Supplementary Table 1.** Search strategy for Embase, Cochrane, and MEDLINE databases

<b>Embase</b>	<b>Cochrane</b>	<b>MEDLINE</b>
'laparotomy'/exp OR	(laparotomy or	exp Laparotomy/ or exp
'anastomosis'/exp OR	'anastomosis, surgical' or	Anastomosis, Surgical/ or
'stomach bypass'/exp OR	'gastric bypass' or	exp Gastric bypass/ or exp
'gastroplasty'/exp OR	gastroplasty or 'jejunoileal	Gastroplasty/ or exp
'jejunoileal bypass'/exp OR	bypass' or 'digestive	Jejunoileal bypass/ or exp
'abdominal surgery'/exp OR	system surgical	Digestive System Surgical
'pelvic exenteration'/exp OR	procedures' or 'pelvic	Procedures/ or exp Pelvic
'splenectomy'/exp OR	exenteration' or	Exenteration/ or exp
'colorectal surgery'/exp OR	splenectomy or 'colorectal	Splenectomy/ or exp
'general surgery'/exp OR	surgery' or 'general	Colorectal Surgery/ or exp
'cystectomy'/exp OR	surgery' or cystectomy or	General Surgery/ or exp
'cystotomy'/exp OR	cystotomy or nephrectomy	Cystectomy/ or exp
'nephrectomy'/exp OR	or prostatectomy):ti,ab,kw	Cystotomy/ or exp
'prostatectomy'/exp		Nephrectomy/ or exp
		Prostatectomy/
laparotomy:ab,ti OR 'surgical	(laparotomy or 'surgical	(Laparotomy or Surgical
anastomosis':ab,ti OR 'gastric	anastomosis' or 'gastric	Anastomosis or Gastric
bypass':ab,ti OR	bypass' or gastroplasty or	bypass or Gastroplasty or
gastroplasty:ab,ti OR	(jejunoileal near/2 bypass)	(Jejunoileal adj2 bypass) or
(jejunoileal NEAR/2	or 'pelvic exenteration' or	Pelvic Exenteration or
bypass):ab,ti OR 'pelvic	splenectomy or (colorectal	Splenectomy or (Colorectal
exenteration':ab,ti OR	near/2 surgery) or (general	adj2 Surgery) or (General

splenectomy:ab,ti OR (colorectal NEAR/2 surgery):ab,ti OR (general NEAR/2 surgery):ab,ti OR cystectomy:ab,ti OR cystotomy:ab,ti OR nephrectomy:ab,ti OR prostatectomy:ab,ti	near/2 surgery) or cystectomy or cystotomy or nephrectomy or prostatectomy):ti,ab,kw	adj2 Surgery) or Cystectomy or Cystotomy or Nephrectomy or Prostatectomy).ti,ab.kw.
((bariatric OR abdomin* OR abdomen* OR aort* OR gastric* OR gastro*) NEAR/1 (surger* OR operation*)):ab,ti	(bariatric or abdomin* or abdomen* or aort* or gastric* or gastro*) near/1 (surger* or operation*):ti,ab,kw	((bariatric or abdomin* or abdomen* or aort* or gastric* or gastro*) adj1 (surger* or operation*)).ti,ab,kw.
'regional anesthesia'/exp OR 'local anesthetic agent'/exp	(anesthesia, conduction or 'nerve block' or anesthetics, local):ti,ab,kw	exp Anesthesia, Conduction/ or exp Nerve Block/ or exp Anesthetics, Local/
'regional anesthe*':ab,ti OR (nerve NEAR/2 block):ab,ti OR (local NEAR/2 anesthe*):ab,ti	('conduction anesthe*' or 'local near/2 aneshe*' or (nerve near/2 block)):ti,ab,kw	((Conduction adj Aneshe*) or (Nerve adj2 Block) or (Local adj2 Aneshe*)).ti,ab,tw.
((('transversus abdominis plane' OR tap OR paravertebral OR	((('transversus abdominis plane') or TAP or paravertebral or	((Transversus adj abdominis adj plane) or TAP or Paravertebral or

'transversalis fascia' OR 'quadratus lumborum' or rectus) NEAR/2 block*):ab,ti	('transversalis fascia') or (quadratus near/1 lumborum) or rectus) near/2 block*):ti,ab,kw	(Transversalis adj fascia) or (quadratus adj lumborum) or rectus) adj2 block*):ti,ab,tw.
((wound OR intraperitoneal OR peritoneal OR rectus) NEAR/2 (infiltration OR infusion*)):ab,ti	(wound or intraperitoneal or peritoneal or rectus) near/2 (infiltration or infusion*):ti,ab,kw	((Wound or intraperitoneal or peritoneal or rectus) adj2 (infiltration or infusion*)):ti,ab,tw.
'elastomeric pump':ab,ti	('elastomeric pump'):ti,ab,kw	(Elastomeric adj pump).ti,ab,tw.
#1 OR #2 OR #3	#1 or #2 or #3	1 or 2 or 3
#4 OR #5 OR #6 OR #7 OR #8	#4 or #5 or #6 or #7 or #8	4 or 5 or 6 or 7 or 8
#9 AND #10	#9 and #10	9 and 10
#11 AND [humans]/lim	animals not humans	Limit 11 to animals
	#11 not #12	11 not 12

Syntax is specific to the specified search engines. All caps words indicate Boolean operators.

\* represents a wildcard in the search. exp: explode, ab: abstract, ti: title, kw: keyword, TAP:  
transversus abdominus plane.