

**Supplementary table 1. Index operation and supplementary operation characteristics**

	Modified peritoneal flap hernioplasty technique (n=78)	Retromuscular mesh technique (n=96)	p-value
<b>Index operation</b>			
Upper gastrointestinal surgery			0.597*
Malignancy	1 (1%)	2 (2%)	
Non-malignancy	14 (18%)	19 (20%)	
Colorectal surgery			
Malignancy	13 (17%)	8 (8%)	
Non-malignancy	22 (28%)	26 (27%)	
Hernia repair (primary or incisional)			
Suture-based technique	3 (4%)	6 (6%)	
Mesh-based technique	5 (6%)	4 (4%)	
Advanced abdominal wall surgery <sup>a</sup>	9 (12%)	13 (14%)	
Gynaecological surgery			
Malignancy	1 (1%)	2 (2%)	
Non-malignancy	2 (3%)	6 (6%)	
Thoracic surgery (CABG or heart valve surgery)	0 (0%)	3 (3%)	
Urological surgery for malignancy	6 (8%)	7 (7%)	
Vascular surgery	2 (3%)	0 (0%)	
<b>Operation characteristics</b>			
Anaesthesia			< 0.001 <sup>†</sup>
General anaesthesia	62 (80%)	94 (98%)	
General anaesthesia and epidural	16 (21%)	2 (2%)	

\* Fisher's exact test | <sup>†</sup> Pearson's  $\chi^2$  test | <sup>a</sup> Advanced abdominal wall surgery includes open abdomen treatment, enterocutaneous fistula and wound dehiscence.