

Supplemental Digital Content 2: Operative Characteristics

	No DVT/PE at 30 days (N=330)	DVT/PE at 30 days (N=14)	Total (N=344)	P-value
Component Separation, n (%)				0.0765 ¹
No	124 (37.6%)	2 (14.3%)	126 (36.6%)	
Yes	206 (62.4%)	12 (85.7%)	218 (63.4%)	
Type of Component Separation, n (%)				
Anterior	106 (32.1%)	6 (42.9%)	112 (32.6%)	0.4011 ¹
Posterior	112 (33.9%)	6 (42.9%)	118 (34.3%)	0.4912 ¹
Mesh, n (%)				
No	13 (3.9%)	1 (7.1%)	14 (4.1%)	
Yes	317 (96.1%)	13 (92.9%)	330 (95.9%)	0.5524 ¹
Mesh Plane, n (%)				
Sublay (Retrorectus)	166 (50.3%)	6 (42.9%)	172 (50.0%)	0.5852 ¹
Inlay (Interposition)	11 (3.3%)	0 (0.0%)	11 (3.2%)	0.4875 ¹
Onlay (Subcutaneous)	10 (3.0%)	0 (0.0%)	10 (2.9%)	0.5086 ¹
Underlay (Intraperitoneal)	23 (37.3%)	7 (50.0%)	130 (37.8%)	0.3361 ¹
Defect Location, n (%)				
Ventral	292 (88.5%)	12 (85.7%)	304 (88.4%)	0.7514 ¹
Flank	33 (10.0%)	0 (0.0%)	33 (9.6%)	0.2133 ¹
Umbilical	21 (6.4%)	0 (0.0%)	21 (6.1%)	0.3300 ¹
Parastomal	35 (10.6%)	1 (7.1%)	36 (10.5%)	0.6784 ¹

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Defect Total Area (cm)				0.0870 ²
N (Missing)	274 (56)	12 (2)	286 (58)	
Mean (SD)	186.8 (149.11)	254.6 (148.39)	189.7 (149.44)	
Median (IQR)	154.8 (66.1, 279.7)	274.6 (101.8, 368.8)	156.1 (67.5, 280.8)	
Range	2.3, 759.0	40.6, 464.8	2.3, 759.0	
Defect Width (cm)				0.3087 ²
N (Missing)	277 (53)	12 (2)	289 (55)	
Mean (SD)	11.0 (5.01)	12.3 (4.35)	11.1 (4.98)	
Median (IQR)	10.7 (7.3, 13.8)	11.5 (8.7, 16.3)	10.7 (7.5, 14.0)	
Range	1.5, 30.3	7.0, 19.0	1.5, 30.3	
Fascial Closure, n (%)				
Primary Closure	306 (92.7%)	12 (92.3%)	318 (92.7%)	0.9545 ¹
Bridged Repair	20 (6.1%)	1 (7.7%)	21 (6.1%)	0.8098 ¹
Missing	0	2	2	
Concurrent Plastic Surgery				0.4526 ¹
Procedures, n (%)				
No	299 (95.8%)	13 (100.0%)	312 (96.0%)	
Yes	13 (4.2%)	0 (0.0%)	13 (4.0%)	
Missing	18	1	19	
PIP baseline				0.2555 ²

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N (Missing)	298 (32)	11 (3)	309 (35)	
Mean (SD)	19.7 (3.70)	18.5 (2.58)	19.6 (3.67)	
Median (IQR)	19.0 (17.0, 22.0)	18.0 (16.0, 19.0)	19.0 (17.0, 22.0)	
Range	12.0, 32.0	16.0, 23.0	12.0, 32.0	
PIP end of case				0.2373 ²
N (Missing)	302 (28)	11 (3)	313 (31)	
Mean (SD)	21.8 (4.82)	22.7 (3.17)	21.8 (4.77)	
Median (IQR)	21.0 (18.0, 25.0)	22.0 (21.0, 26.0)	21.0 (18.0, 25.0)	
Range	13.0, 38.0	17.0, 27.0	13.0, 38.0	
PIP difference (mm H2O)				0.0099* ²
N (Missing)	298 (32)	11 (3)	309 (35)	
Mean (SD)	2.2 (3.15)	4.3 (2.76)	2.3 (3.16)	
Median (IQR)	1.0 (0.0, 4.0)	3.0 (2.0, 6.0)	2.0 (0.0, 4.0)	
Range	-10.0, 16.0	1.0, 10.0	-10.0, 16.0	
Minimum intra-op core temp				0.4870 ²
N (Missing)	330 (0)	14 (0)	344 (0)	
Mean (SD)	35.5 (0.76)	35.5 (0.54)	35.5 (0.75)	
Median (IQR)	35.6 (35.2, 35.9)	35.4 (35.2, 35.8)	35.6 (35.2, 35.9)	
Range	30.2, 38.6	34.3, 36.6	30.2, 38.6	
Maximum intra-op core temp				0.6524 ²

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N (Missing)	330 (0)	14 (0)	344 (0)	
Mean (SD)	37.1 (0.69)	37.3 (1.05)	37.1 (0.71)	
Median (IQR)	37.1 (36.6, 37.5)	37.3 (36.7, 37.5)	37.1 (36.6, 37.5)	
Range	35.5, 40.2	36.2, 40.5	35.5, 40.5	
Mean intra-op core temp				0.6021 ²
N (Missing)	330 (0)	14 (0)	344 (0)	
Mean (SD)	36.4 (0.57)	36.3 (0.45)	36.4 (0.56)	
Median (IQR)	36.4 (36.0, 36.8)	36.4 (36.0, 36.7)	36.4 (36.0, 36.8)	
Range	34.4, 38.9	35.5, 37.0	34.4, 38.9	
Total OR Time (min)				0.0928 ²
N (Missing)	328 (2)	14 (0)	342 (2)	
Mean (SD)	386.6 (115.02)	478.6 (212.14)	390.4 (121.39)	
Median (IQR)	377.0 (309.0, 455.5)	422.5 (360.0, 521.0)	378.0 (310.0, 458.0)	
Range	142.0, 867.0	210.0, 1018.0	142.0, 1018.0	
Days in Hospital (Discharged on POD #)				0.0002 ^{*,2}
N (Missing)	330 (0)	14 (0)	344 (0)	
Mean (SD)	6.4 (6.01)	16.1 (19.61)	6.8 (7.28)	
Median (IQR)	5.0 (3.0, 7.0)	8.0 (7.0, 12.0)	5.0 (4.0, 7.0)	
Range	2.0, 51.0	4.0, 76.0	2.0, 76.0	

¹Chi-Square p-value; ²Kruskal-Wallis p-value; PIP: Peak Inspiratory Pressure; IQR: Interquartile Range; SD: Standard Deviation; *Statistically significant (p<0.05)