

Supplementary Table 1. Causes of conversion to open thoracotomy

	2D VATS (n=11)	3D VATS (n=2)
Pleural adhesion	5	0
Bleeding	2	1
Incomplete fissure	1	0
Anthracofibrosis	3	0
Vascular invasion	0	1

2D, two-dimensional; VATS, video-assisted thoracoscopic surgery;
3D, three-dimensional.

Supplementary Table 2. Lymph node characteristics

Characteristic	2D VATS	3D VATS	P-value
Total LN number	16.05±7.47	18.31±7.44	0.006
Resected LN number	13.81±7.14	15.94±7.16	0.006
N2 LN			
Resected N2 station number	2.79±0.83	2.99±0.80	0.025
Resected N2 number	8.64±5.70	9.93±5.57	0.035
Examined LN number			
Upper paratracheal	0.64±1.62	1.35±2.32	0.001
Pre-vascular and retrotracheal	0.08±0.43	0.04±0.29	0.237
Lower paratracheal	2.04±2.75	2.59±2.68	0.061
Subaortic	1.12±1.65	0.85±1.40	0.097
Para-aortic	0.13±0.62	0.05±0.37	0.170
Subcarinal	3.59±3.15	4.11±2.86	0.110
Para-oesophageal	0.12±0.75	0.09±0.43	0.604
Pulmonary ligament	0.92±1.23	0.88±1.15	0.747
Hilar	2.23±2.22	2.22±1.98	0.964
N1	5.31±7.47	5.89±7.44	0.158

Values are presented as mean±standard deviation.

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3D, three-dimensional; LN, lymph node.