

Supplementary

Table S1 Comparisons of perioperative outcomes between sleeve lobectomy and pneumonectomy after neoadjuvant treatment

Variables	Sleeve lobectomy (N=41)	Pneumonectomy (N=14)	P value
Age (years), mean ± SD	61.1±7.1	59.9±6.9	0.592
Gender, n (%)			0.601
Male	36 (87.8)	13 (92.9)	
Female	5 (12.2)	1 (7.1)	
Radiologic tumor size (cm), mean ± SD			
Before neoadjuvant treatment	4.5±2.0	4.8±1.7	0.708
Before surgery	3.3±1.8	3.4±1.4	0.951
Clinical TNM stage			0.453
I	3 (7.3)	0 (0)	
II	3 (7.3)	2 (14.3)	
III	35 (85.4)	12 (85.7)	
Neoadjuvant agents			0.646
ICI plus chemotherapy	14 (34.1)	3 (21.4)	
EGFR-TKI	6 (14.6)	2 (14.3)	
Chemotherapy alone	21 (51.2)	9 (64.3)	
Surgical approach			0.066
VATS	29 (70.7)	5 (35.7)	
Thoracotomy	9 (22.0)	7 (50.0)	
VATS convert to thoracotomy	3 (7.3)	2 (14.3)	
Number of total examined LNs, mean ± SD	18.3±7.1	17.6±6.0	0.778
Examined N1 nodes	8.5±4.6	7.2±4.5	0.392
Examined N2 nodes	9.8±5.4	10.4±4.7	0.698
Surgical time (minutes), median (IQR)	212 (160–240)	141 (120–195)	0.079
Estimated blood loss (mL), median (IQR)	100 (50–200)	100 (50–300)	0.845
Required for postoperative transfusion, n (%)	5 (12.2)	5 (35.7)	0.049
Postoperative stay (days), median (IQR)	6 (4–7)	8 (7–12)	0.009
Perioperative mortality, n (%)	2 (4.9)	1 (7.1)	0.747
Postoperative complications, n (%)			
Any complications	11 (26.8)	5 (35.7)	0.527
Bronchopleural fistula	2 (4.9)	0 (0)	0.400
Hemothorax	1 (2.4)	0 (0)	0.555
Chylothorax	1 (2.4)	1 (7.1)	0.417
Prolonged air leak	2 (4.9)	0 (0)	0.400
Pneumonia	5 (12.2)	4 (28.6)	0.153

SD, standard deviation; TNM, tumor, node, metastasis; ICI, immune checkpoint inhibitor; EGFR-TKI, epidermal growth factor receptor tyrosine kinase inhibitors; VATS, video-assisted thoracoscopic surgery; LN, lymph node; IQR, interquartile range.