

**Table S1** Clinicopathological features according to single and multiple tumor cases

Characteristics	Single tumor (n=42)	Multiple tumors (n=52)	P value
Age (year), median [IQR]	70 [61–74]	69 [65–74]	0.256
Sex, n [%]			0.079
Women	15 [36]	28 [54]	
Men	27 [64]	24 [46]	
Comorbidities, n [%]			
COPD	7 [17]	5 [10]	0.308
Interstitial pneumonia	2 [5]	2 [4]	>0.99
Diabetes mellitus	4 [10]	11 [21]	0.126
Cardiac disorder	1 [2]	1 [2]	>0.99
Renal dysfunction	1 [2]	2 [4]	>0.99
Pulmonary function, median [IQR]			
FEV1 (L)	2.4 [1.9–2.9]	2.1 [1.7–2.7]	0.151
FEV1% (%)	77.8 [71.8–80.4]	74.5 [70.7–78.5]	0.623
Smoking, n [%]			0.482
Yes	28 [67]	31 [60]	
No	14 [34]	21 [40]	
Brinkman index, median [IQR]	840 [435–1,500]	783 [495–1,185]	0.574
Laterality, n [%]			0.73
Right	31 [74]	40 [77]	
Left	11 [26]	12 [23]	
Pathological diagnosis, n [%]			0.454
Lung cancer	37 [88]	41 [79]	
Metastatic lung tumor	3 [7]	4 [8]	
Non-malignant	1 [2]	1 [2]	
Others	1 [2]	2 [4]	
Combination	0 [0]	4 [8]	
Preoperative tumor diameter of largest lesion (mm), median [IQR]	3.1 [2.2–4.0]	2.3 [1.6–3.1]	0.008

COPD, chronic obstructive pulmonary disease; FEV1, forced expiratory volume in one second; FEV1%, percent predicted FEV1; IQR, interquartile range.

**Table S2** Surgical outcomes according to single and multiple tumor cases

Characteristics	Single tumor (n=42)	Multiple tumors (n=52)	P value
Procedure, n [%]			0.934
Lobectomy + wedge resection	32 [76]	40 [77]	
Lobectomy + segmentectomy	10 [24]	12 [23]	
Approach, n [%]			0.791
VATS	28 [67]	36 [69]	
Thoracotomy	14 [33]	16 [31]	
Surgical outcomes, median [IQR]			
Operation time (min)	230 [196–271]	197 [160–250]	0.013*
Blood loss (mL)	61 [9–206]	30 [5–125]	0.031*
Postoperative outcomes			
Length of drainage (days), median [IQR]	3 [2–4]	3 [2–7]	0.186
Length of stay (days), median [IQR]	7 [6–11]	8 [6–11]	0.426
Mortality (30-day), n [%]	0 [0]	0 [0]	NA
Mortality (90-day), n [%]	1 [2.4]	0 [0]	0.447
Complications, n [%]			
Overall	15 [36]	18 [35]	0.912
Major (> grade IIIa)	3 [7]	4 [8]	>0.99

\*, P<0.05. IQR, interquartile range; NA, not assessed; VATS, video-assisted thoracic surgery.