

Table S1 Intraoperative and postoperative clinical outcomes

Clinical outcomes	Value
Intraoperative clinical outcomes	
Operation time (min)	156 (65-447)
Blood loss (mL)	50 (10-100)
Conversion to open thoracotomy	0
Postoperative clinical outcomes	
Total amount of drainage (mL)	600 (140-2030)
Amount of drainage per day (mL)	167.5±57.7
Time to remove the chest drain (days)	4 (2-11)
Prolonged air leak (>5 day)	4.1% (2/49)
Postoperative hemorrhage	2.0% (1/49)
Atelectasis	2.0% (1/49)
Reoperation	0
Recurrence	2.1% (1/48)
Median follow-up time for recurrence-free survival (weeks)	144.1
Death	2.1% (1/48)
Death within 30 days after surgery	0
Median follow-up time for overall survival (weeks)	171.8
Negative surgical resection margin	100% (165/165)

Continuous data conformed to normal distribution are presented as the mean ± SD, continuous data not conformed to normal distribution are presented as the median (range) and categorical data are presented as % (events number/total number).

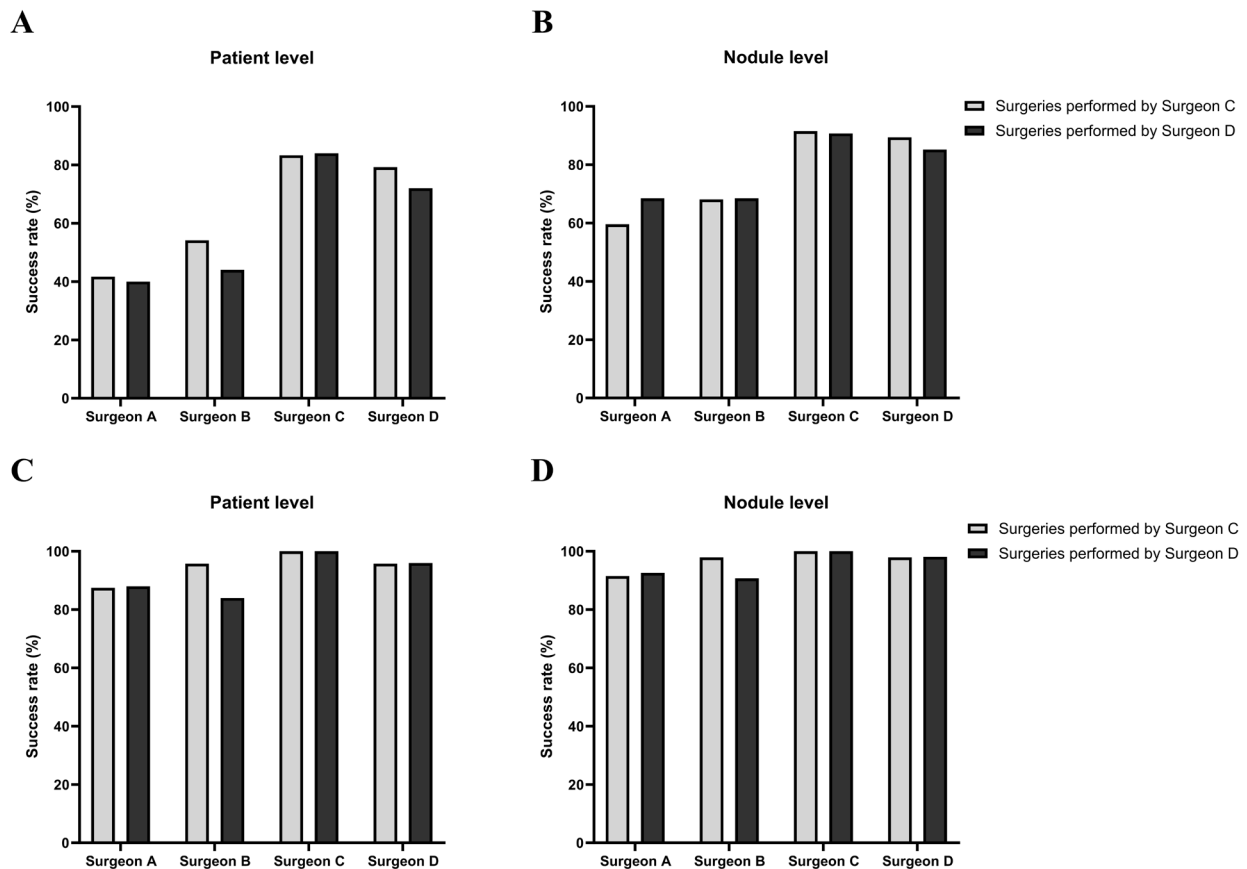


Figure S1 Comparisons of success surgical planning success rates between surgeries performed by Surgeon C and Surgeon D. (A) Comparisons of initial surgical plans at the patient level. (B) Comparisons of initial surgical plans at the nodule level. (C) Comparisons of revised surgical plans at the patient level. (D) Comparisons of revised surgical plans at the nodule level.

Table S2 Success rates of initial surgical plans in surgeries performed by Surgeon C and Surgeon D

Surgeons	At the patient level			At the nodule level		
	Surgery operated by Surgeon C (n=24)	Surgery operated by Surgeon D (n=25)	P value	Surgery operated by Surgeon C (n=47)	Surgery operated by Surgeon D (n=54)	P value
Surgeon A	10 (41.7)	10 (40.0)	0.91	28 (59.6)	37 (68.5)	0.35
Surgeon B	13 (54.2)	11 (44.0)	0.48	32 (68.1)	37 (68.5)	0.96
Surgeon C	20 (83.3)	21 (84.0)	>0.99	43 (91.5)	49 (90.7)	>0.99
Surgeon D	19 (79.2)	18 (72.0)	0.56	42 (89.4)	46 (85.2)	0.53

Data are presented as n (%).

Table S3 Success rates of revised surgical plans in surgeries performed by Surgeon C and Surgeon D

Surgeons	At the patient level			At the nodule level		
	Surgery operated by Surgeon C (n=24)	Surgery operated by Surgeon D (n=25)	P value	Surgery operated by Surgeon C (n=47)	Surgery operated by Surgeon D (n=54)	P value
Surgeon A	21 (87.5)	22 (88.0)	>0.99	43 (91.5)	50 (92.6)	>0.99
Surgeon B	23 (95.8)	21 (84.0)	0.35	46 (97.9)	49 (90.7)	0.21
Surgeon C	24 (100.0)	25 (100.0)	NA*	47 (100.0)	54 (100.0)	NA*
Surgeon D	23 (95.8)	24 (96.0)	>0.99	46 (97.9)	53 (98.1)	>0.99

Data are presented as n (%). *, the statistical test cannot be run to compare 100% with 100%, so no P value could be calculated. NA, not available.