

Table S1 Baseline characteristics and comparisons of clinical factors of patients who and did not undergo cryobiopsy after its introduction

Variable	Underwent cryobiopsy (n=250)	Did not undergo cryobiopsy (n=270)	P value
Age, years	69 [38–88]	71 [28–91]	0.17
Sex			0.60
Male	104 (41.6)	119 (44.1)	
Female	146 (58.4)	151 (55.9)	
Total size, mm	22.3 [7.5–95.0]	24.6 [8.4–93.8]	0.02
CTR	0.53 [0–0.99]	0.69 [0–0.99]	<0.001
Lobe			0.63
RUL/LUS	141 (56.4)	144 (53.3)	
ML/lingula	30 (12.0)	30 (11.1)	
RLL/LLL	79 (31.6)	96 (35.6)	
Location			0.76
Outer	191 (76.4)	204 (75.6)	
Inner	59 (23.6)	66 (24.4)	
Distance from the costal pleura, mm	9.7 [0–50.4]	7.8 [0–54.9]	0.14
Bronchus sign			0.24
Positive	201 (80.4)	205 (75.9)	
Negative	49 (19.6)	65 (24.1)	
Visibility on chest radiography			0.009
Visible	139 (55.6)	181 (67.0)	
Invisible	111 (44.4)	89 (33.0)	
R-EBUS detection			<0.001
Within	142 (56.8)	169 (62.6)	
Adjacent to	106 (42.4)	77 (28.5)	
Invisible	2 (0.8)	24 (8.9)	
Use of needle aspiration			0.048
Yes	57 (22.8)	83 (30.7)	
No	193 (77.2)	187 (69.3)	

Values are presented as median (range) or number (%). CTR, consolidation tumor ratio; LLL, left lower lobe; LUS, left upper segment; ML, middle lobe; R-EBUS, radial endobronchial ultrasound; RLL, right lower lobe; RUL, right upper lobe.

Table S2 Subgroup analysis in the matched cohort

Subgroup	Diagnostic cases		Odds ratio	95% CI	P value
	m-cryo group	m-conventional group			
Overall	206/232 (88.8)	148/232 (63.8)	4.50	2.76–7.33	<0.001
Total size					
≤20 mm	73/85 (85.9)	48/95 (50.5)	5.96	2.87–12.37	<0.001
>20 mm	133/147 (90.5)	100/137 (73.0)	3.52	1.80–6.85	<0.001
CTR					
CTR =0	37/45 (82.2)	13/37 (35.1)	8.54	3.08–23.7	<0.001
0< CTR ≤0.5	58/66 (87.9)	51/75 (68.0)	3.41	1.41–8.26	<0.001
0.5< CTR	111/121 (91.7)	84/120 (70.0)	4.75	2.23–10.13	<0.001
R-EBUS detection					
Within	124/133 (93.2)	94/133 (70.7)	5.71	2.64–12.38	<0.001
Adjacent to	81/97 (83.5)	54/97 (55.7)	4.03	2.06–7.87	<0.001

Values are presented as number (%). The m-cryo and m-conventional groups are termed as such as these are propensity score-matched groups. CI, confidence interval; CTR, consolidation tumor ratio; R-EBUS, radial endobronchial ultrasound.