

Supplementary Table 1. Patients' characteristics

Characteristic	Entire cohort			Case-matched		
	ALT group	No-ALT group	P-value	ALT group	No-ALT group	P-value
No. of patients	816	235		219	219	
Age (yr)	63.6 ± 11.4	65.6 ± 10.3	0.011	66.8 ± 10.6	65.7 ± 10.2	0.254
Sex			0.470			0.541
Female	262 (32.1)	82 (34.9)		68 (31.1)	75 (34.2)	
Male	554 (67.9)	153 (65.1)		151 (68.9)	144 (65.8)	
Body mass index (kg/m ²)	23.6 ± 3.1	23.7 ± 3.1	0.866	23.6 ± 3.5	23.6 ± 3.1	0.927
ASA PS grade			0.086			0.540
I	317 (38.8)	75 (31.9)		74 (33.8)	70 (32.0)	
II	466 (57.1)	153 (65.1)		134 (61.2)	142 (64.8)	
III	33 (4.0)	7 (3.0)		11 (5.0)	7 (3.2)	
Hypertension	232 (28.4)	71 (30.4)	0.653	75 (34.2)	71 (32.4)	0.761
Diabetes mellitus	126 (15.4)	33 (14.0)	0.672	38 (17.4)	32 (14.6)	0.514
Preoperative chemoradiation	124 (15.2)	31 (13.2)	0.510	29 (13.2)	31 (14.2)	0.889
Tumor height (cm)	12.1 ± 6.8	11.3 ± 6.3	0.112	11.6 ± 6.6	11.3 ± 6.3	0.573

Values are presented as number only, mean ± standard deviation, or number (%). ALT, air leak test; ASA, American Society of Anesthesiologists; PS, physical status.