

S2 Table. Univariable and multivariable analyses for risk factors associated with CPI after neoadjuvant or adjuvant radiotherapy for lung cancer.

Variable	CPI (–) (n=664)	CPI (+) (n=34)	Univariable		Multivariable	
			HR (95% CI)	p-value	HR (95% CI)	p-value
Age (yr)	61 (54-67)	64 (57-68)	1.05 (1.00-1.09)	0.032	-	-
Male sex	486 (73.2)	29 (85.3)	2.71 (1.05-7.00)	0.040	-	-
BMI (kg/m ²)	23.7 (21.8-25.6)	22.6 (21.4-25.2)	0.91 (0.81-1.03)	0.131	0.90 (0.80-1.01)	0.065
Former or current smoker	476 (71.9)	28 (82.4)	2.30 (0.95-5.55)	0.065	-	-
COPD/asthma	75 (11.3)	6 (17.6)	1.68 (0.70-4.06)	0.249	-	-
Interstitial lung disease	14 (2.1)	3 (8.8)	9.57 (2.88-31.78)	<0.001	10.99 (3.11-38.92)	<0.001
Previous PTB	3 (0.5)	4 (11.8)	20.61 (7.21-58.93)	<0.001	12.74 (4.00-40.64)	<0.001
Diabetes mellitus	115 (17.3)	13 (38.2)	3.00 (1.50-6.00)	0.002	1.86 (0.88-3.93)	0.102
Chronic heart disease	131 (19.7)	12 (35.3)	2.52 (1.24-5.09)	0.010	2.04 (0.97-4.29)	0.060
Cerebrovascular disease	52 (7.8)	2 (5.9)	0.74 (0.18-3.09)	0.681	-	-
Chronic liver disease	22 (3.3)	2 (5.9)	1.69 (0.41-7.08)	0.470	-	-
Chronic kidney disease	16 (2.4)	1 (2.9)	1.02 (0.14-7.48)	0.983	-	-
Total dose (Gy)	44.0 (44.0-50.0)	44.0 (44.0-44.0)	0.97 (0.92-1.01)	0.141	-	-
BED ₁₀ (Gy)	52.8 (52.8-60.0)	52.8 (52.8-52.8)	0.97 (0.93-1.01)	0.138	-	-
CTV (cm ³) ^{a)}	128 (71-224)	174 (116-366)	1.02 (1.01-1.04)	0.001	1.02 (1.01-1.04)	0.004
Reirradiation	194 (29.2)	12 (35.3)	1.24 (0.62-2.51)	0.543	-	-
Concurrent chemoradiation	602 (90.7)	32 (94.1)	1.59 (0.38-6.63)	0.526	-	-
History of lung cancer surgery	629 (94.7)	33 (97.1)	0.91 (0.12-6.70)	0.926	-	-
History of radiation pneumonitis	41 (6.2)	6 (17.6)	3.12 (1.29-7.53)	0.012	-	-
Systemic corticosteroid user	469 (70.6)	27 (79.4)	1.52 (0.66-3.49)	0.322	-	-
Inhaled corticosteroids user	73 (11.0)	11 (32.4)	3.31 (1.61-6.78)	0.001	2.82 (1.34-5.97)	0.007

Values are presented as the median (interquartile range) or number (%). BED₁₀, biologically effective dose with an α/β ratio of 10; BMI, body mass index; CI, confidence interval; COPD, chronic obstructive pulmonary disease; CPI, chronic pulmonary infection; CTV, clinical target volume; HR, hazard ratio; PTB, pulmonary tuberculosis. ^{a)}A 10 cm³ was used as the unit for CTV in the univariable and multivariable analyses.