

**S1 Table.** Comparison of patient characteristics according to the thoracic radiotherapy dose ( $\leq$  54 Gy vs.  $>$  54 Gy) after propensity score matching

Characteristic	No. of patients (%)		p-value <sup>a)</sup>	SMD
	RT $\leq$ 54 Gy (n=75)	RT $>$ 54 Gy (n=75)		
Year of treatment				
2004-2012	37 (49.3)	35 (46.7)	0.870	0.053
2013-2017	38 (50.7)	40 (53.3)		
Age (yr)				
$<$ 65	34 (45.3)	40 (53.3)	0.414	0.161
$\geq$ 65	41 (54.7)	35 (46.7)		
Sex				
Female	9 (12.0)	9 (12.0)	$>$ 0.99	$<$ 0.001
Male	66 (88.0)	66 (88.0)		
Performance status (ECOG)				
0	20 (26.7)	14 (18.7)	0.488	0.268
1	52 (69.3)	55 (73.3)		
2	3 (4.0)	5 (6.7)		
3	0 (0.0)	1 (1.3)		
Height (cm)	166.1 $\pm$ 7.3	165.0 $\pm$ 7.7	0.348	0.154
Body weight at diagnosis (kg)	65.6 $\pm$ 10.2	65.8 $\pm$ 10.5	0.936	0.013
Smoking history				
No	11 (14.7)	13 (17.3)	0.824	0.073
Yes	64 (85.3)	62 (82.7)		
T category				
1	23 (30.7)	27 (36.0)	0.621	0.219
2	24 (32.0)	17 (22.7)		
3	12 (16.0)	12 (16.0)		
4	16 (21.3)	19 (25.3)		
N category				
0	8 (10.7)	10 (13.3)	0.393	0.285
1	6 (8.0)	11 (14.7)		
2	44 (58.7)	43 (57.3)		
3	17 (22.7)	11 (14.7)		
Overall stage				
I	5 (6.7)	5 (6.7)	0.868	0.087
II	7 (9.3)	9 (12.0)		
III	63 (84.0)	61 (81.3)		
Underlying lung disease				
None	49 (65.3)	45 (60.0)	0.228	0.284
COPD	18 (24.0)	26 (34.7)		
ILD	8 (10.7)	4 (5.3)		
FEV <sub>1</sub> (L)	2.3 $\pm$ 0.6	2.3 $\pm$ 0.6	0.897	0.021
FEV <sub>1</sub> /FVC (%)	66.3 $\pm$ 10.3	68.0 $\pm$ 9.2	0.296	0.174
DLCO (%)	87.4 $\pm$ 17.9	90.4 $\pm$ 17.9	0.347	0.169
FEV <sub>1</sub> (L)				
$<$ 2	25 (34.2)	20 (27.0)	0.441	0.157
$>$ 2	48 (65.8)	54 (73.0)		
DLCO (%)				

< 80	21 (35.0)	18 (27.7)	0.492	0.158
> 80	39 (65.0)	47 (72.3)		
NSE before treatment (mg/dL)	30.6±25.8	34.6±28.4	0.413	0.148
Chemotherapy cycles				
< 6	6 (8.0)	5 (6.7)	> 0.99	0.051
6	69 (92.0)	70 (93.3)		
RT techniques				
3D-CRT	70 (93.3)	67 (89.3)	0.562	0.143
IMRT	5 (6.7)	8 (10.7)		
PCI				
Not done	13 (17.3)	8 (10.7)	0.347	0.193
Done	62 (82.7)	67 (89.3)		

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3D-CRT, three-dimensional conformal radiotherapy; COPD, chronic obstructive pulmonary disease; DLCO, carbon monoxide diffusion capacity; ECOG, Eastern Cooperative Oncology Group; FEV<sub>1</sub>, forced expiratory volume in 1 second; FVC, forced vital capacity; ILD, interstitial lung disease; IMRT, intensity-modulated radiotherapy; NSE, neuron specific enolase; PCI, prophylactic cranial irradiation; RT, radiotherapy; SD, standard deviation; SMD, standardized mean difference. <sup>a</sup>p-value by t test (for continuous variables) and chi-square test (for categorical variables).