

Supplementary Table S3. Baseline characteristics of non-CT group and contrast enhanced CT group

Characteristic	Unmatched group			Matched group		
	Non-CT group (n=138)	CT group (n=40)	p-value	Non-CT group (n=40)	CT-group (n=40)	p-value
Male sex, n (%)	120 (87.0)	32 (80.0)	0.399	30 (75.0)	32 (80.0)	0.789
Mean age, yr	72.0 (67.0–76.0)	73.0 (67.0–78.0)	0.409	72.5 (68.5–78.0)	73.0 (67.0–78.0)	0.874
Smoking status Never/Ex-smoker/current, %	23/56/21	28/52/20	0.854	23/60/17	28/52/20	0.792
Pre-bronchodilator FEV ₁ , % of predicted value	38.0 (28.0–51.0)	45.5 (31.0–62.0)	0.074	43.0 (33.0–60.5)	45.5 (31.0–62.0)	0.881
mMRC dyspnea score (0/1/2/3/4), %	7/21/27/23/20	5/30/23/30/12	0.554	10/18/40/15/17	5/30/23/30/12	0.179
Body mass index, kg/m ²	22.0±4.0	23.0±4.2	0.138	23.4±4.3	23.0±4.2	0.700
History of hospitalization due to COPD exacerbation in the previous year, n (%)	33 (23.9)	7 (17.5)	0.522	8 (20.0)	7 (17.5)	0.999
Charlson comorbidity index	4 (4–5)	4 (4–6)	0.381	5 (4–6)	4 (4–6)	0.321
Disease, n (%)						
Myocardial infarction	8 (5.8)	6 (15.0)	0.116	3 (7.5)	6 (15.0)	0.479
Congestive heart failure	24 (17.4)	11 (27.5)	0.234	8 (20.0)	11 (27.5)	0.599
Peripheral disease	2 (1.4)	2 (5.0)	0.466	1 (2.5)	2 (5.0)	0.999
Cerebral artery disease	3 (2.2)	1 (2.5)	0.999	1 (2.5)	1 (2.5)	0.999
Diabetes mellitus	21 (15.2)	3 (7.5)	0.320	5 (12.5)	3 (7.5)	0.709
Renal disease	9 (6.5)	1 (2.5)	0.999	3 (7.5)	1 (2.5)	0.608
Liver disease	4 (2.9)	1 (2.5)	0.999	1 (2.5)	1 (2.5)	0.999
Increased sputum	95 (68.8)	22 (55.0)	0.151	22 (55.0)	22 (55.0)	0.999
Purulent sputum	53 (38.4)	8 (20.0)	0.049	7 (17.5)	8 (20.0)	0.999
ABGA						
pO ₂ , mm Hg	58.5 (47.0–72.0)	61.5 (45.0–68.0)	0.998	58.0 (46.0–66.5)	61.5 (45.0–68.0)	0.466
pCO ₂ , mm Hg	44.0 (36.0–62.0)	41.5 (35.0–50.0)	0.464	45.0 (35.6–67.5)	41.5 (35.0–50.0)	0.383
SpO ₂ , %	91.0 (82.0–95.0)	91.0 (80.0–95.0)	0.927	91.0 (79.0–94.0)	91.0 (80.0–95.0)	0.635
Oxygen supply, FiO ₂ , %	28.0 (20.0–36.0)	28.0 (20.0–30.0)	0.590	28.0 (20.0–35.0)	28.0 (20.0–30.0)	0.801

CT: computed tomography; FEV₁: forced expiratory volume in 1 second; mMRC: modified Medical Round Council Dyspnea Scale; COPD: chronic obstructive pulmonary disease; ABGA: arterial blood gas analysis; pO₂: partial pressure of oxygen; pCO₂: partial pressure of carbon dioxide; SpO₂: oxygen saturation; FiO₂: fraction of inspired oxygen.