

**Supplementary table 1.** PFT characteristics for each PFT pattern

		<b>Normal</b>	<b>Obstructive</b>	<b>Restrictive</b>	<b>Mixed</b>	<b>Nonspecific</b>	<b>All groups</b>
<b>Number of patients</b>		2	23	5	4	10	44
<b>Severity based on FEV1 %predicted</b>	FEV1 $\geq$ 70%	2	3	0	0	3	18% (8/44)
	FEV1 60-69%	0	2	0	0	5	16% (7/44)
	FEV1 50-59%	0	7	1	1	2	25% (11/44)
	FEV1 35-49%	0	6	4	1	0	25% (11/44)
	FEV1 <35%	0	5	0	2	0	16% (7/44)
<b>Number of patients who had BD response assessed</b>		0	21	5	2	9	37
<b>BD response</b>	Positive	0	11	0	1	1	35% (13/37)
	Negative	0	10	5	1	8	65% (24/37)
<b>Number of patients with RV measurement</b>		2	22	5	4	10	43
<b>Air trapping</b>	Present	0	20	0	2	2	56% (24/43)
	Absent	2	2	5	2	8	44% (19/43)

**Abbreviations.** PFT: pulmonary function test. FEV1: Forced expiratory volume in the first second. BD: Bronchodilator. RV: residual volume.

**Supplementary table 2.** Patient characteristics, chest CT and biopsy findings based on the pulmonary function pattern

		Normal (n=2)	Obstructive (n=23)	Restrictive (n=5)	Mixed (n=4)	Nonspecific (n=10)	Overall (n=44)
Smoking history	Never	1	15	4	4	8	32 (73%)
	Ex-smoker	1	7	1	0	2	11 (25%)
	Current	0	1	0	0	0	1 (2%)
History of asthma or COPD	Yes	0	15	1	2	2	20 (45%)
	No	2	8	4	2	8	24 (55%)
Presenting symptoms	Cough	1	17	4	2	6	30 (68%)
	Dyspnea	0	7	1	3	2	13 (30%)
	Wheezing	0	4	0	1	0	5 (11%)
	Incidental chest CT finding	1	1	0	0	4	6 (14%)
	Dysphonia	0	0	1	0	0	1 (2%)
<b>Chest CT findings</b>							
Mosaic	Present	0	18	4	4	7	33 (75%)

attenuation	Absent	2	5	1	0	3	11 (25%)
Emphysema	Present	0	1	0	1	0	2 (5%)
	Absent	2	22	5	3	10	42 (95%)
Interstitial fibrosis	Present	0	2	1	1	0	4 (9%)
	Absent	2	21	4	3	10	40 (91%)
<b>Biopsy findings</b>							
Constrictive bronchiolitis	Present	1	10	1	2	7	21 (48%)
	Absent	1	12	4	2	2	21 (48%)
	NA	0	1	0	0	1	2 (4%)
Carcinoid tumor	Present	2	6	3	1	4	16 (36%)
	Absent	0	16	2	3	5	26 (59%)
	NA	0	1	0	0	1	2 (5%)
Other biopsy findings	Emphysema	1	5	0	0	0	6 (14%)
	Organizing pneumonia	0	0	2	0	1	3 (7%)
	NSIP	0	0	0	1	0	1 (2%)

	Respiratory bronchiolitis	0	1	0	0	0	1 (2%)
	Granulomas	1	2	1	0	3	7 (16%)

**Abbreviations.** COPD: Chronic obstructive pulmonary disease, NA: Not applicable, CT: Computed tomography, NSIP: Nonspecific interstitial pneumonia

**Supplementary table 3.** Treatments prescribed in our study population.

<b>Treatments prescribed</b>	<b>N (%)</b>
Inhaled B <sub>2</sub> agonist	21 (48)
Inhaled corticosteroids	18 (41)
Octreotide	14 (32)
Inhaled antimuscarinic agent	10 (23)
Systemic steroids	1 (2)
Combination therapy with PD-L1 inhibitor, everolimus + cabozatinib	1 (2)
Combination therapy with capecitabine + temozolamide	1 (2)
Azithromycin	1 (2)

**Abbreviations.** B<sub>2</sub>: Beta-2. PD-L1: Programmed death–Ligand 1.