

Table S1 Patient level data for intrabronchial valve placement

Patient	Age (years)	Sex	Race	PAL etiology	Chest tubes (n)	Chest tube size (French)	Chest tube days prior to IBV	Chest tube management prior to IBV	IBV location	IBV placed (n)	PAL status after IBV	Wall suction (cmH ₂ O)	Clamping trial duration	Days post-IBV to chest tube removal	Additional procedure required	Days to IBV retrieval
1	69	Male	Caucasian	Post RUL lobectomy	1	28	27	Water seal (failed multiple clamping trials)	RUL	3	Persistent air leak	Water seal	2 days	3	No	Destination therapy
2	59	Female	Caucasian	LLL superior segment segmentectomy	1	16	22	Suction -20 cmH ₂ O	Lingula	1	Persistent air leak	-20	5 days	7	No	63
3	73	Male	Caucasian	Secondary spontaneous pneumothorax due to COPD	2	14, 20	22	Suction -20 cmH ₂ O (n=2)	LLL basal and superior segments	3	Diminished	-40	14 days	18	No	76
4	68	Male	African American	Necrotizing pulmonary infection	2	32, 32	11	Suction -10 cmH ₂ O (n=1), -20 cmH ₂ O (n=1)	RUL and RML	7	Resolved	-20	5 days	13	Yes (additional IBV required)	92
5	62	Male	African American	Necrotizing pulmonary infection	1	Not available	6	Not available	LLL superior seg, lingula + LUL	6	Diminished	-20	1 day	2	No	112
6	26	Male	Caucasian	Secondary spontaneous pneumothorax due to bronchiectasis	1	14	35	Suction -20 cmH ₂ O	LUL and Lingula	3	Resolved	Water seal	1 day	1	No	71
7	57	Male	Caucasian	Necrotizing pulmonary infection	1	16	7	Suction -20 cmH ₂ O	RUL	3	Resolved	-20	2 days	1	No	174
8	73	Male	Caucasian	RLL wedge post resection	2	28	9	Suction -20 cmH ₂ O	RLL, RML, and RUL	6	Resolved	-20	2 days (water seal only)	3	No	94
9	39	Male	Caucasian	Secondary spontaneous pneumothorax due to fibrotic HP	1	20	11	Suction -20 cmH ₂ O	RLL	7	Diminished	-20	5 days	8	No	56
10	57	Male	Caucasian	Secondary spontaneous pneumothorax due to COPD	1	24	38	Suction -20 cmH ₂ O	LUL	6	Resolved	-20	10 days	43	No	164
11	43	Female	African American	Necrotizing pulmonary infection	4	12, 12, 28, 28	35	Suction -20 cmH ₂ O (n=1), water seal (n=3)	LUL and RLL	4	Diminished	-20	1 day (n=2), 3 days (n=1), 6 days (n=1)	18	No	47
12	33	Female	African American	Penetrating gun shot wound	5	28, 28, 28, 28, 28	21	Suction -20 cmH ₂ O	LUL + lingula	5	Diminished	-20	N/A	Unable to remove	Yes	Underwent thoracic surgery
13	76	Male	Caucasian	Transthoracic lung nodule biopsy	1	8	17	Suction -20 cmH ₂ O	RUL	3	Persistent air leak	-20	5 days	Unable to remove	No	Transitioned to hospice
14	62	Male	African American	Necrotizing pulmonary infection	1	Not available	6	Not available	LUL + lingula	6	Diminished	Yes (cmH ₂ O unknown)	52 days	53	No	102
15	28	Female	Caucasian	Necrotizing pulmonary infection	3	24	21	Suction -20 cmH ₂ O	LUL and LLL	4	Persistent air leak	-20	4 days	5	No	Died with valves in place

COPD, chronic obstructive pulmonary disease; HP, hypersensitivity pneumonitis; IBV, intrabronchial valve; LLL, left lower lobe; LUL, left upper lobe; PAL, persistent air leak; RLL, right lower lobe; RML, right middle lobe; RUL, right upper lobe; cm, centimeter.