



**Figure S1** PPFS of talc and minocycline groups. (A) Talc; (B) minocycline. PPFS, pleural progression-free survival; CI, confidence interval.

**Table S1** Characteristics of patients developing ARDS

Characteristics	Subtypes	Non-ARDS (n=24)	ARDS (n=2)	P value
Age, n (%)	≥75 years	6 (25.0)	1 (50.0)	0.47
Sex, n (%)	Male	20 (83.3)	1 (50.0)	0.35
Smoking, n (%)	Ever	20 (83.3)	1 (50.0)	0.35
PS, n (%)	≥2	8 (33.3)	2 (100.0)	0.14
Histology, n (%)	LUAD	14 (58.3)	2 (100.0)	–
	LUSC	6 (25.0)	0	–
	SCLC	3 (12.5)	0	–
	Other	1 (4.2)	0	0.72
ILD, n (%)	IIP	11 (45.8)	1 (50.0)	>0.99
	CTD-ILD	3 (12.5)	0	>0.99
	DIILD or RILI	10 (41.7)	1 (50.0)	>0.99
CT scan patterns, n (%)	UIP or probable UIP	6 (25.0)	0	>0.99
Presenting GGO and consolidation treated with prednisolone, n (%)	within 6 months before pleurodesis	3 (12.5)	2 (100.0)	0.03
Use of immunosuppressants during pleurodesis, n (%)	Prednisolone	4 (16.7)	1 (50.0)	0.35
	Other	3 (12.5)	0	>0.99
Lung expansion before pleurodesis, n (%)	Partially expanded	9 (37.5)	1 (50.0)	>0.99
Sclerosant, n (%)	Talc	13 (54.2)	1 (50.0)	–
	Minocycline	11 (45.8)	1 (50.0)	>0.99

ARDS, acute respiratory distress syndrome; CT, computed tomography; CTD-ILD, connective tissue disease-associated interstitial lung disease; DIILD, drug-induced interstitial lung disease; GGO, ground glass opacity; IIP, idiopathic interstitial pneumonia; ILD, interstitial lung disease; LUAD, lung adenocarcinoma; LUSC, lung squamous cell carcinoma; RILI, radiation-induced lung injury; SCLC, small cell lung cancer; UIP, usual interstitial pneumonia; PS, performance status.

**Table S2** The individual data of patients developed ARDS after pleurodesis

No.	Age	Sex	PS	Sclerosant	Types of ILD	Onset of ILD before pleurodesis	Systemic prednisolone treatment before pleurodesis	Onset of ARDS after pleurodesis	Grading scale of ARDS	Survival after pleurodesis
1	61 years	Male	2	Minocycline 200 mg	OP	3 months	Tapered to 10 mg	1 day	Grade 5	11 days
2	76 years	Female	3	Talc 4 g	RILI	5 months	Tapered off	6 days	Grade 5	6 days

ARDS, acute respiratory distress syndrome, ILD, interstitial lung disease, OP, organizing pneumonia, PS, performance status, RILI, radiation-induced lung injury.