

**Table S1** Pre-existing interstitial pneumonia

Case	Age (years)	Gender	Pre-existing interstitial pneumonia	Grade at onset	Steroid administration maximum dose	Immunosuppressants when DOC/RAM administered
A1	65	Male	Idiopathic interstitial pneumonia	1	No medication	No medication
A2	47	Male	Collagen lung (polymyositis)	1	PSL 3 mg	PSL 3 mg + CYA + ABT
A3	72	Male	Idiopathic interstitial pneumonia	1	No medication	No medication
A4	55	Female	Collagen lung (scleroderma)	2	PSL 40 mg	mPSL 4 mg + AZA 25 mg
A5	45	Male	Collagen lung (Sjogren's syndrome suspected)	2	PSL 30 mg	PSL 20 mg
A6	65	Male	Interstitial lung abnormality	1	No medication	No medication
A7	70	Female	Interstitial lung abnormality	1	No medication	No medication
A8 (B10) <sup>†</sup>	67	Male	Interstitial pneumonia	1	No medication	No medication

"A" represents cases of pre-existing interstitial pneumonia, with each case in this category numbered sequentially. <sup>†</sup>, drug-induced pneumonia in pre-existing interstitial pneumonia. DOC/RAM, docetaxel plus ramucirumab; PSL, prednisolone; CYA, cyclosporine; ABT, abatacept; mPSL, methylprednisolone; AZA, azathioprine.

**Table S2** Drug-induced pneumonia

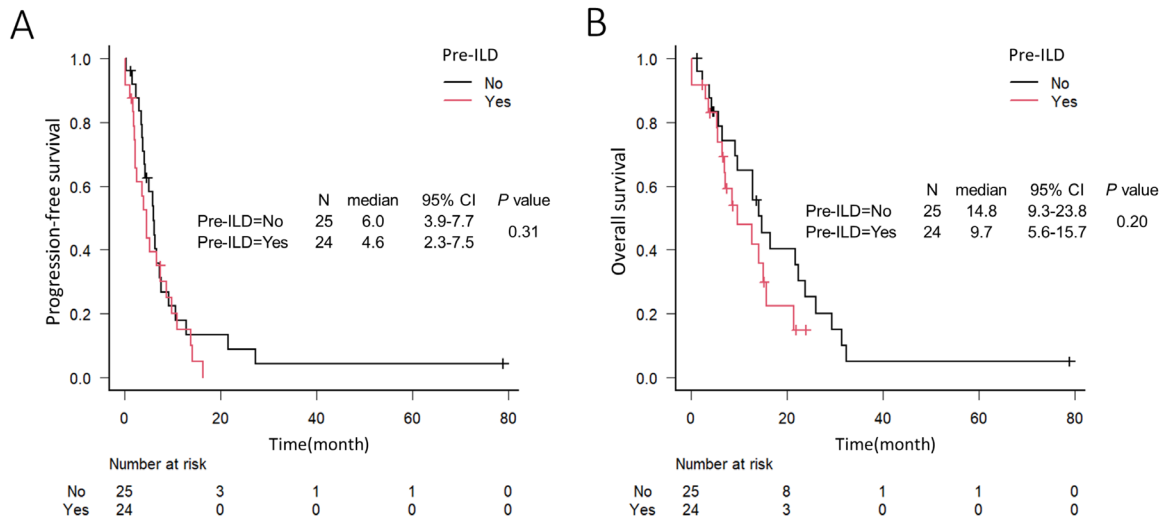
Case	Age (years)	Gender	Suspected drug	Grade at onset	Steroid administration maximum dose	Steroid when DOC/RAM administered
B1	66	Female	Osimertinib	1	No medication	No medication
B2	64	Male	Atezolizumab	1	No medication	No medication
B3	64	Male	Pembrolizumab	1	PSL 40 mg	PSL 20 mg
B4	69	Male	Atezolizumab	1	No medication	No medication
B5	75	Male	Osimertinib Atezolizumab	1	No medication	No medication
B6 (C9) <sup>†</sup>	62	Male	Ipilimumab + nivolumab	1	mPSL 125 mg	PSL 10 mg
B7	69	Male	Pembrolizumab	3	PSL 60 mg	PSL 5 mg
B8	44	Male	Ipilimumab + nivolumab	1	Dex 3 mg	Dex 3 mg
B9	74	Male	Osimertinib	2	Dex 6 mg	No medication
B10 (A8) <sup>‡</sup>	67	Male	Atezolizumab	1	No medication	No medication

"B" represents cases of drug-induced pneumonia, with each case in this category numbered sequentially. <sup>†</sup>, drug-induced pneumonia in pre-existing interstitial pneumonia; <sup>‡</sup>, drug-induced pneumonia in radiation pneumonitis. DOC/RAM, docetaxel plus ramucirumab; PSL, prednisolone; mPSL, methylprednisolone; Dex, dexamethasone.

**Table S3** Radiation pneumonitis

Case	Age (years)	Gender	Grade at onset	Steroid administration maximum dose	Steroid when DOC/RAM administered
C1	64	Male	1	No medication	No medication
C2	64	Male	1	No medication	No medication
C3	71	Male	1	No medication	No medication
C4	75	Female	1	No medication	No medication
C5	72	Male	1	No medication	No medication
C6	55	Male	1	No medication	No medication
C7	66	Male	1	PSL 30 mg	PSL 2.5 mg
C8	58	Male	2	PSL 30 mg	No medication
C9 (B7) <sup>†</sup>	62	Male	2	mPSL 125 mg	PSL 10 mg
C10	72	Male	2	PSL 40 mg	No medication
C11	48	Male	1	No medication	No medication
C12	72	Male	1	No medication	No medication

“C” represents cases of radiation pneumonitis, with each case in this category numbered sequentially. <sup>†</sup>, drug-induced pneumonia due to ipilimumab + nivolumab after radiation pneumonitis. DOC/RAM, docetaxel plus ramucirumab; PSL, prednisolone; mPSL, methylprednisolone.



**Figure S1** Progression-free survival (A) and overall survival (B) in patients with recurrent advanced non-small cell lung cancer treated with docetaxel plus ramucirumab therapy, categorized by the presence of pre-ILD in the subgroup of smokers. Pre-ILD, pre-existing interstitial lung disease; N, number; CI, confidence interval.