

Table SI. Correlations of serum Krebs von den Lungen-6 measurements.

Parameters	All patients(n=55)		IPF(n=15)		IPF-OSA(n=40)	
	r	P-value	r	P-value	r	P-value
Age, years	-0.08	0.62	0.34	0.31	0.24	0.01
BMI, kg/m ²	-0.04	0.83	0.02	0.96	-0.07	0.43
Smoking, packyears	-0.27	0.10	-0.40	0.22	-0.19	0.04
TLC, %	-0.43	<0.01	-0.20	0.56	-0.48	0.01
DLCO, %	-0.46	<0.01	-0.45	0.17	-0.28	0.16
KCO, %	-0.38	0.02	-0.41	0.21	-0.26	0.20
Mean SpO ₂ , %	0.21	0.22	0.73	0.01	-0.22	0.01
Minimum SpO ₂ , %	0.12	0.50	0.32	0.53	-0.11	0.24
TST90, min	-0.28	0.10	-0.55	0.09	-0.10	0.34
Serum S100A9 levels, µg/ml	0.31	0.06	0.3	0.37	0.32	0.11

Spearman's correlation test was used. TLC, total lung capacity; DLCO, predicted diffusing capacity of the lung for carbon monoxide; KCO, carbon monoxide transfer coefficient; TST90, total sleep time with oxygen saturation <90%; S100A9, S100 calcium-binding protein A9; IPF, idiopathic pulmonary fibrosis; OSA, obstructive sleep apnea.

Table SII. Correlations of serum endothelin-1 measurements.

Parameters	All patients(n=55)		IPF(n=15)		IPF-OSA(n=40)	
	r	P-value	r	P-value	r	P-value
Age, years	0.01	0.96	-0.13	0.64	0.07	0.65
BMI, kg/m ²	0.03	0.80	-0.06	0.84	0.07	0.68
Smoking, packyears	0.25	0.07	0.02	0.94	0.26	0.10
TLC, %	-0.07	0.62	-0.19	0.50	-0.14	0.39
DLCO, %	-0.53	<0.01	-0.57	0.03	-0.50	<0.01
KCO, %	-0.54	<0.01	-0.67	0.01	-0.47	<0.01
Mean SpO ₂ , %	-0.25	0.07	0.09	0.75	-0.27	0.09
Minimum SpO ₂ , %	-0.22	0.10	-0.02	0.46	-0.03	0.84
TST90, min	0.32	0.02	0.25	0.38	0.32	0.04

Spearman's correlation test was used. TLC, total lung capacity; DLCO, predicted diffusing capacity of the lung for carbon monoxide; KCO, carbon monoxide transfer coefficient; TST90, total sleep time with oxygen saturation <90%;IPF, idiopathic pulmonary fibrosis; OSA, obstructive sleep apnea.

Table SIII. Correlations of serum S100 calcium-binding protein A9 measurements.

Parameters	All patients(n=55)		IPF(n=15)		IPF-OSA(n=40)	
	r	P-value	r	P-value	r	P-value
Age, years	0.10	0.45	0.12	0.66	-0.01	0.97
BMI, kg/m ²	0.06	0.64	0.21	0.45	0.03	0.84
Smoking, packyears	0.05	0.73	0.03	0.92	0.12	0.46
TLC, %	-0.05	0.72	0.44	0.11	-0.21	0.19
DLCO, %	0.09	0.53	0.23	0.40	0.02	0.92
KCO, %	0.03	0.86	0.21	0.45	-0.11	0.52
Mean SpO ₂ , %	-0.03	0.82	0.19	0.50	-0.32	0.04
Minimum SpO ₂ , %	-0.03	0.85	-0.19	0.50	-0.27	0.09
TST90, min	0.05	0.72	-0.15	0.61	0.34	0.03

Spearman's correlation test was used. TLC, total lung capacity; DLCO, predicted diffusing capacity of the lung for carbon monoxide; KCO, carbon-monoxide transfer coefficient; TST90, total sleep time with oxygen saturation <90%;IPF, idiopathic pulmonary fibrosis; OSA, obstructive sleep apnea.