

Table S3 Correlations between variables of diaphragmatic ultrasonic evaluation and lung function tests, Warrick score, and esophageal diameters on HRCT

Spearman's coefficient of correlation Rho (P-value)

	Alveolar volume%	DLCO%	FVC%	Severity Warrick score	Extent Warrick score	Global Warrick score	Esophageal diameter 1	Esophageal diameter 2	Esophageal diameter 3
Diaphragm mobility in deep breathing	0.501 (<0.001)	0.273 (0.05)	0.313 (0.03)	-0.414 (<0.001)	-0.397 (<0.001)	-0.339 (0.02)	-0.368 (0.01)	-0.366 (0.01)	-0.182 (0.21)
Diaphragm mobility in normal breathing	0.193 (0.19)	0.078 (0.59)	-0.099 (0.50)	-0.309 (0.03)	-0.192 (0.18)	-0.342 (0.01)	-0.177 (0.22)	-0.044 (0.76)	-0.021 (0.88)
Diaphragmatic thickening fraction right side	-0.046 (0.76)	0.313 (0.03)	-0.001 (0.99)	-0.209 (0.15)	-0.192 (0.18)	-0.157 (0.28)	-0.144 (0.32)	-0.321 (0.02)	-0.247 (0.09)
Diaphragmatic thickness right side									
At FRC	0.154 (0.30)	-0.074 (0.61)	0.26 (0.07)	0.228 (0.11)	0.308 (0.03)	0.23 (0.11)	0.242 (0.09)	0.34 (0.02)	0.276 (0.05)
At TLC	0.09 (0.55)	0.011 (0.94)	0.285 (0.04)	0.164 (0.25)	0.219 (0.13)	0.155 (0.28)	0.087 (0.55)	0.214 (0.14)	0.12 (0.41)

DLCO-diffusing capacity for carbon monoxide, FVC-forced vital capacity, FEV1-forced expiratory volume in the first second, FRC-functional residual capacity, TLC-total lung capacity