

**Supplementary Table 2. Changes in clinical outcomes according to the presence of airway diseases**

Variable	Without airway diseases (n = 53)	With airway diseases (n = 6)	p value <sup>a</sup>
CAT	1.87 ± 0.89	7.33 ± 2.26	0.052
SGRQ	2.270 ± 1.61	13.450 ± 7.17	0.040 <sup>b</sup>
mMRC	0.26 ± 0.12	0.17 ± 0.48	0.804
CQLQ	-0.87 ± 1.68	11.00 ± 5.19	0.027 <sup>b</sup>
EQ-5D	0.012 ± 0.023	-0.074 ± 0.062	0.235
Cough VAS	0.38 ± 0.325	1.50 ± 1.147	0.284

Values are presented as mean ± standard error.

CAT, chronic obstructive pulmonary disease (COPD) assessment test; SGRQ, St. George's Respiratory Questionnaire; mMRC, modified Medical Research Council; CQLQ, cough quality of life questionnaire; EQ-5D, EuroQol-5 dimension; VAS, visual analogue scale.

<sup>a</sup>The analysis was carried out with 59 patients excluding 11 patients who were lost to follow-up. Differences between the two groups were tested using repeated measures analysis of variance (RM-ANOVA).

<sup>b</sup> $p < 0.05$ .