

**Supplementary Table S1.** The reasons for reluctance to use LTOT in all enrolled patients

Variable	Good adherence (n=22)*	Poor adherence (n=51) <sup>†</sup>	p-value
<b>Home oxygen therapy</b>			
Are you reluctant to use an oxygen therapy?	7 (31.8)	18 (35.3)	0.774
<b>Reason for the reluctance</b>			
Unwanted attention	11 (50)	17 (33.3)	0.179
No symptoms related hypoxia	3 (13.6)	6 (11.8)	0.823
Fear for permanent use	9 (40.9)	15 (29.4)	0.337
Fear for harmful of oxygen	1 (4.5)	5 (9.8)	0.453
Cost	3 (13.6)	5 (9.8)	0.631
<b>Portable oxygen therapy</b>			
Are you reluctant to use an oxygen therapy?	0	2 (10)	0.892
<b>Reason for the reluctance</b>			
Unwanted attention	15 (68.2)	28 (54.9)	0.290
No symptoms related hypoxia	10 (45.5)	24 (47.1)	0.900
Fear for permanent use	5 (22.7)	7 (77.3)	0.341
Fear for harmful of oxygen	7 (31.8)	10 (19.6)	0.257
Cost	0	1 (3.9)	0.346
Heaviness of devise	2 (9.1)	6 (11.8)	0.737
Shortness of battery	4 (18.2)	19 (37.3)	0.107

Values are presented as number (%). The chi-square test was used to compare categorical variables. A  $p < 0.05$  was taken to indicate significance. Among total 79 responders, six was excluded because of never using oxygen device (n=4) and using portable oxygen device without answering the question about adherence (n=2).

\*Good adherence means that patients used oxygen therapy for more than 15 hr/day. <sup>†</sup>Poor adherence means that patients used oxygen therapy for less than 15 hr/day.

LTOT: long-term oxygen therapy.