**Online Supplement**

**Table S1. Recovery of diaphragm thickness fraction in the paralyzed left diaphragm.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Postoperative day** | **5** | **14** | **26** | **33** | **40** | **47** | **67** |
| Pressure support (cmH2O) | 6 | 6 | 6 | 6 | 6 | 6 | Extubated |
| Right | DT at inhalation (mm) | 1.68 | 2.72 | 2.65 | 2.11 | 2.35 | 1.18 | 1.43 |
| DT at exhalation (mm) | 1.28 | 1.38 | 1.83 | 1.69 | 1.63 | 0.84 | 0.87 |
| DTF (%) | 31 | 78 | 45 | 31 | 44 | 42 | 65 |
| Left(paralyzed) | DT at inhalation (mm) | 0.85 | 1.12 | 0.77 | 1.16 | 1.51 | 1.00 | 2.18 |
| DT at exhalation (mm) | 0.85 | 1.07 | 0.73 | 0.82 | 1.07 | 0.82 | 1.33 |
| DTF (%) | 0.2 | 4.7 | 1.7 | 29 | 45 | 21 | 65 |

DT = diaphragm thickness; DTF = diaphragm thickness fraction.



**Figure S1. The recovery of diaphragm thickness fraction in the paralyzed left diaphragm.** M-mode images of the left paralyzed diaphragm are shown. During mechanical ventilation and continuous positive airway pressure with pressure support (6 cmH2O), the change in diaphragm thickness could not be detected until postoperative day 26, and the diaphragm’s thickness increased with inhalation on postoperative day 33.

POD = postoperative day.