|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Total(n = 75) | Thoracotomy(n = 35) | VATS(n = 40) | p-value |
| MRC Dyspnoea scale, n | 2 [1 – 2] | 2.0 [1.0 – 2.0] | 1.0 [1.0 – 2.0] | 0.279 |
| MET, n | 6.0 ± 1.5 | 6.1 ± 1.6 | 5.8 ± 1.4 | 0.571 |
| FEV1, litre/s | 2.37 ± 0.65 | 2.31 ± 0.63 | 2.42 ± 0.67 | 0.480 |
| FEV1, % predicted value | 96 ± 23 | 97 ± 22 | 94 ± 24 | 0.621 |
| FVC, litre/s | 3.13 ± 0.80 | 3.07 ± 0.88 | 3.17 ± 0.72 | 0.596 |
| FVC, % predicted value | 100 ± 23 | 104 ± 25 | 97 ± 20 | 0.164 |
| FEV1/FVC, % | 76 ± 13 | 76 ± 8 | 76 ± 16 | 0.756 |
| PaO2, mmHg | 86 ± 12 | 86 ± 12 | 86 ± 12 | 0.971 |
| PaCO2, mmHg | 40 ± 4 | 39 ± 3 | 40 ± 5 | 0.423 |
| SO2, % | 97 ± 0.1 | 98 ± 0.2 | 97 ± 0.1 | 0.100 |

**Supplementary File 1.** Functional pre-operative characteristics of the enrolled patients.

Normally distributed variables are reported as mean ± standard deviation and non-normally distributed variables as median [interquartile range].

VATS= Video-assisted thoracoscopy; MRC: Medical Research Council scale for dyspnea; MET = Metabolic equivalents; FEV1 = Forced expiratory volume in the 1st second; FVC = Forced vital capacity; PaO2 = Arterial oxygen partial pressure; PaCO2 = Arterial carbon dioxide partial pressure; SO2 = Arterial oxygen saturation.