|  |  |  |  |
| --- | --- | --- | --- |
| **Variables** | **Diaphragmatic dysfunction** | **Non-diaphragmatic dysfunction** | **Standardized differences** |
| **N. of patients** | 51 | 24 |  |
| **Age**, yrs | 66 ± 10 | 69 ± 10 | 0.3 |
| **BMI**, kg m-2 | 26 ± 3 | 26 ± 5 | 0 |
| **Male**, (%) | 57 | 71 | 0.33 |
| **Smoking history**, (%) |  |  |  |
| Current smokers | 16 | 39 | 0.64 |
| Packs-year | 24 ± 34 | 22 ± 27 | 0.06 |
| **Comorbidities**, (%) |  |  |  |
| Chronic heart disease | 63 0.4  | 71 0.5 | 0.1 |
| COPD | 31 0.4 | 29 0.4 | 0.05 |
| Metabolic pathology | 71 0.4 | 51 0.5 | 0.46 |
| Chronic liver disease | 4 0.2 | 21 0.4 | 0.46 |
| **ASA Physical Status**, (%) |  |  |  |
| II | 35 | 25 | 0.27 |
| III | 65 | 75 | 0.27 |
| **Surgical site**, (%) |  |  |  |
| Right | 52 % 0.5 | 33 % 0.5 | 0.41 |
| **Surgical approach,** (%) |  |  |  |
| VATS | 43 0.4 | 75 0.5 | 0.75 |
| **Surgical procedures**, (%) |  |  |  |
| Lobectomy | 65 | 54 | 0.24 |
| Wedge resection | 27 | 45 | 0.44 |
| Bilobectomy | 8 | 0 | / |
| **Intraoperative mechanical ventilation** |  |  |  |
| Tidal volume, TLV, ml/kg | 6.6 ± 1.1 | 6.4 ± 0.8 | 0.20 |
| Tidal volume, OLV, ml/kg | 5.0 ± 1.1 | 4.8 ± 0.9 | 0.19 |
| PEEP (cmH2O) | 5 ± 2 | 5 ± 2 | 0 |
| **Duration of operation**, min | 164 ± 86 | 145 ± 95 | 0.20 |

**Supplemental Table 4.** Standardized difference in clinical and demographical variables in patients with or without diaphragmatic dysfunction after 24 hours from surgery. BMI: Body Mass Index; COPD: Chronic obstructive pulmonary disease; ASA: American Society of Anesthesiologists physical status classification; VATS: Video-assisted thoracoscopy; TLV: Two-lungs ventilation; OLV: One-lung ventilation; PEEP: Positive end expiratory pressure. Standardized differences are calculated as the difference in means or proportions divided by the pooled standard deviation.