Additional file 1 Baseline characteristics and intraoperative procedures of all patients

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| Clinical variables | All patients (N = 197) |
| Age - years | 64.7 ± 13.2 |
| Sex (male) - no. (%) | 121 (61.4) |
| ARISCAT score - no. (%)Low (<26)Intermediate (26-44)High (>44) | 7 (3.6)72 (36.5)118 (59.9) |
| Preoperative SpO2 - % | 98 (96-99) |
| Surgical procedure - no. (%)LobectomySegmentectomyWedge resection Pleura and chest wall surgeryMediastinal tumor | 93 (47.2)48 (24.4)25 (12.7)16 (8.1)15 (7.6) |
| Type of general anesthesia - no. (%)Total intravenous anesthesia Volatile anesthesia | 110 (55.8)87 (44.2) |
| Postoperative analgesia - no. (%)Thoracic epidural analgesiaPCA of opioidIntercostal block | 146 (74.1)33 (16.8)30 (15.2) |
| Lung separation techniques - no. (%)Double-lumen endotracheal tubeEndobronchial blocker | 185 (93.9)12 (6.1) |
| Duration - minAnesthesiaOperationOne-lung ventilation | 264 (171-339)194 (110-261)225 (87-168) |
| Total volume of infusion - mlTotal blood loss - ml | 1600 (1075-2100)20 (10-100) |

Baseline and procedural characteristics are shown as n (%), means ± standard deviation or medians (interquartile range)

*ARISCAT* Assess Respiratory Risk in Surgical Patients in Catalonia, *PCA* patient-controlled analgesia