**Table S1** Intraoperative ventilation, hemodynamic and sedation parametersa.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Individualized PEEP Group (n=67) | Fixed PEEP Group (n=67) | *P* value |
| **Ventilation**  |  |  |  |
| VT, ml | 388.0 ± 51.4 | 379.4 ± 53.4 | 0.365 |
| PEEP, cmH2O | 10 (8 - 10) | 6 (6 - 6) | <0.0001 |
| Peak inspiratory pressure, cmH2O | 19.0 ± 2.2 | 17.1 ± 2.1 | <0.0001 |
| Plateau pressure, cmH2O | 15.4 ± 1.9 | 14.0 ± 1.8 | <0.0001 |
| Respiratory system compliance, mL/cmH2O | 60.4 ± 11.5 | 49.2 ± 10.7 | <0.0001 |
| ETCO2, mmHg | 40.8 ± 5.7 | 37.2 ± 4.4 | <0.0001 |
| Power, J/min | 6.9 ± 1.5 | 5.5 ± 1.2 | <0.0001 |
| Driving pressure, cmH2O | 6.2 ± 1.3 | 8.0 ± 1.8 | <0.0001 |
| VD/VT, % | 48.1 ± 4.0 | 49.0 ± 4.7 | 0.243 |
| **Hemodynamics** |  |  |  |
| Heart rate, bmp | 68.0 ± 12.4 | 68.6 ± 11.2 | 0.781 |
| Mean arterial pressure, mmHg | 87.5 ± 12.8 | 86.8 ± 13.7 | 0.730 |
| Cardiac output index, L/(min.m2) | 3.1 ± 0.9 | 2.9 ± 0.8 | 0.404 |
| Stroke volume index, mL/m2 | 44.8 ± 14.0 | 42.5 ± 11.8 | 0.324 |
| Stroke volume variation, %  | 7.8 ± 2.0 | 8.0 ± 2.6 | 0.528 |
| Phenylephrine dosage (μg) | 40 (0 - 80) | 40 (0 - 60) | 0.492 |
| **Sedation** |  |  |  |
| Response entropy | 48.6 ± 6.3 | 47.9 ± 6.0 | 0.528 |

Data are expressed as mean ± standard deviation or median (interquartile range). VT: Tidal volume, based on ideal body weight, ETCO2: End-tidal carbon dioxide, VD/VT: physiological dead space. a These intraoperative parameters, except the dose of phenylephrine, were acquired at the time point of 2 h after the start of surgery.