**Supplemental Digital Content 6**

**Table 3. Respiratory parameters at BASELINE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Low Power** | | **High Power** | |
|  | **Low VT** | **High VT** | **Low VT** | **High VT** |
| **VT (mL/kg)** | 6.0 ± 0.6 | 6.2 ± 0.7 | 6.2 ± 0.4 | 6.6 ± 0.7 |
| **RR (bpm)** | 69 ± 6 | 53 ± 7 | 67 ± 13 | 61 ± 10 |
| **V′E (mL/min)** | 160 ± 15 | 144 ± 20 | 151 ± 7 | 143 ± 56 |
| **Flow (mL/s)** | 12.5 ± 1.0 | 13.9 ±2.7 | 14.3 ±3.1 | 13.9 ±3.1 |
| **Pplat,L (cmH2O)** | 10.2 ± 2.0 | 10.8 ± 1.4 | 10.0 ± 3.0 | 8.7 ± 3.5 |
| **Pplat,RS (cmH2O)** | 11.6 ± 1.9 | 13.0 ± 3.4 | 11.5 ± 2.6 | 11.7 ± 1.5 |
| **P,L (cmH2O)** | 7.2 ± 2.1 | 8.6 ± 2.4 | 7.2 ± 2.9 | 7.0 ± 1.3 |
| **P,RS (cmH2O)** | 8.6 ± 1.9 | 9.8 ± 2.2 | 7.5 ± 3.0 | 8.7 ± 1.5 |
| **Energy (mJ)** | 0.85 ± 0.29 | 1.16 ± 0.40 | 1.03 ± 0.45 | 0.92 ± 0.16 |
| **Power (mJ/min)** | 56 ± 16 | 61 ± 22 | 60 ± 17 | 57 ± 14 |
| **Intrinsic PEEP (cmH2O)** | 0.11 ± 0.17 | 0.14 ± 0.12 | 0.26 ± 0.12 | 0.34 ± 0.26 |

Respiratory parameters at BASELINE in the following groups: 1) Low Power/Low tidal volume (VT): VT = 6 mL/kg and respiratory rate (RR) adjusted to maintain normocapnia; 2) Low Power/High VT: VT = 11 mL/kg and RR to maintain the same power as in the Low Power/Low VT group; 3) High Power/Low VT: VT = 6 mL/kg and RR set to obtain a power three times that of the low-power groups; and 4) High Power/High VT (11 mL/kg), with RR set to obtain a power three times that of the low-power groups. V′E: minute ventilation; Pplat,L: transpulmonary plateau pressure; Pplat,RS: respiratory system plateau pressure; P,L: transpulmonary driving pressure; P,RS: respiratory system driving pressure. Values are mean ± standard deviation (SD) of 8 animals/group. Comparisons were done using two-way ANOVA followed by Bonferroni’s multiple comparisons (p<0.05).