**Supplemental Digital Content 5**

**Table 2. Mean arterial presure and arterial blood gas analysis at BASELINE**

|  |  |  |
| --- | --- | --- |
|  | **Low Power** | **High Power** |
|  | **Low VT** | **High VT** | **Low VT** | **High VT** |
| **MAP (mmHg)** | 145 ± 19 | 120 ± 30 | 140 ± 13 | 144 ± 20 |
| **PaO2/FiO2 (mmHg)** | 272 ± 130 | 233 ± 112 | 277 ± 125 | 385 ± 104 |
| **pHa** | 7.37 ± 0.09 | 7.37 ± 0.08 | 7.40 ± 0.08 | 7.44 ± 0.06 |
| **PaCO2 (mmHg)** | 37 ± 7 | 40 ± 10 | 30 ± 6 | 34 ± 7 |
| **Bicarbonate (mmol/L)** | 22.1 ± 2.4 | 22.8 ± 3.1 | 19.5 ± 4.8 | 22.8 ± 3.2 |

Mean arterial pressure (MAP) and arterial blood gas analysis 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. PaO2/FiO2: the ratio of partial pressure arterial oxygen and fraction of inspired oxygen; PaCO2: partial pressure of carbon dioxide. Values are mean ± standard deviation (SD) of 8 animals/group. Comparisons were done using a mixed linear model followed by Bonferroni’s multiple comparisons (p<0.05).