**Supplemental Digital Content 4**

**table 3. Ventilatory parameters during mechanical ventilation**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Initial** | **30 min** | **60 min** | **90 min** | **Final** | **Time Effect** | **Group Effect** | **Time *vs.* Group Effect** |
| **VT (mL/kg)** |  |  |  |  |  | p<0.0001 | p<0.0001 | p<0.0001 |
| Control | 6.0 ± 0.1 | 6.1 ± 0.1 | 6.1 ± 0.1 | 6.1 ± 0.1 | 6.0 ± 0.2 |  |  |  |
| No adaptation time | 6.1 ± 0.2 | 6.1 ± 0.2 | 6.1 ± 0.2 | 22.3 ± 0.4\* | 22.1 ± 0.5\* | †§‡ |  |  |
| Shorter adaptation time | 6.2 ± 0.3 | 6.2 ± 0.4 | 22.1 ± 0.4\* | 22.4 ± 0.6\* | 22.5 ± 1.0\* | †§ |  |  |
| Longer adaptation time | 6.4 ± 0.8 | 13.5 ± 0.1\*,‖,# | 22.2 ± 0.7\* | 22.4 ± 0.6\* | 22.6 ± 0.7\* | † |  |  |
| **RR (bpm)** |  |  |  |  |  | p<0.0001 | p<0.0001 | p<0.0001 |
| Control | 73 ± 7 | 73 ± 7 | 71 ± 6 | 72 ± 6 | 72 ± 6 |  |  |  |
| No adaptation time | 68 ± 9 | 68 ± 9 | 68 ± 9 | 18 ± 2\* | 18 ± 2\* | †§‡ |  |  |
| Shorter adaptation time | 74 ± 6‖ | 74 ± 6‖ | 21 ± 2\*,‖ | 21 ± 2\* | 21 ± 2\* | †§ |  |  |
| Longer adaptation time | 72 ± 12 | 32 ± 5\*,‖,# | 19 ± 3\*,‖ | 19 ± 3\* | 19 ± 3\* | † |  |  |
| **V**′**E (mL/min)** |  |  |  |  |  | p=0.536 | p=0.188 | p=0.283 |
| Control | 160 ± 3 | 162 ± 3 | 159 ± 12 | 160 ± 10 | 159 ± 12 |  |  |  |
| No adaptation time | 161 ± 4 | 161 ± 7 | 161 ± 7 | 160 ± 8 | 159 ± 4 |  |  |  |
| Shorter adaptation time | 162 ± 4 | 161 ± 7 | 161 ± 4 | 163 ± 6 | 165 ± 9 |  |  |  |
| Longer adaptation time | 163 ± 5 | 161 ± 2 | 160 ± 5 | 161 ± 5 | 162 ± 6 |  |  |  |

Ventilatory parameters at Initial time, 30 minutes, 60 minutes, 90 minutes, and Final time in the following groups: mechanical ventilation with a protective strategy (VT=6mL/kg) for 2 hours (Control); VT=6mL/kg during hour 1 followed by an abrupt increase in VT=22mL/kg during hour 2 (No adaptation time); VT=6mL/kg during the first 30 minutes followed by a gradual VT increase up to 22mL/kg for 30 minutes, then constant VT=22mL/kg during hour 2 (Shorter adaptation time); and a more gradual VT increase, from 6mL/kg to 22mL/kg during hour 1 followed by VT=22mL/kg during hour 2 (Longer adaptation time). VT: tidal volume; RR: respiratory ratio; V´E: minute ventilation. Comparisons were done using a generalized linear model. (p<0.05) \* *versus* Control; ‖*versus* no adaptation time group; # *versus* shorter adaptation time group; † *versus* Initial;§ *versus* 30 min; ‡ *versus* 60 min.