Table S1: Comparison of blood gases between controlled ventilation

and NAVA at the end of three hours

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **NAVA 3h** | **CMV** | **p value** |
| pH | 7.39 (7.38-7.40) | 7.39 (7.37-7.42) | 0.384 |
| PaO2 | 78 (72-83) | 76 (68-85) | 0.894 |
| P/F | 217 (167-266) | 216 (172-281) | 0.765 |
| PaCO2 | 39 (36-43) | 37 (36-41) | 0.756 |
| HCO3 | 23 (22-24) | 24 (22-24) | 0.248 |
| BE | -1.0 (-2.5-0.2) | -0.16(-2.4-0.5) | 0.320 |
| SaO2 | 94 (93-96) | 95 (93-97) | 0.266 |

CMV: controlled mechanical ventilation; pH: Hydrogen potential; PaO2: arterial oxygen pressure; P/F: ratio of arterial oxygen pressure divided by the fraction of inspired oxygen; PaCO2: arterial pressure of carbon dioxide; HCO3: Bicarbonate; BE: base excess; SaO2: oxygen saturation. Data presented as median and 25-75% interquartile range. p-value obtained by Wilcoxon Signed-rank Test.