|  |  |  |
| --- | --- | --- |
| **Parameter** | **Phase** | **P-value** |
| **Control vs. Shock** | **Control vs. Shock+SI** | **Shock vs. Shock+SI** |
| **etCO2** | Baseline | 0,893 | 0,142 | 0,299 |
| Hemorrhagic shock | 0,010 | 0,004 | 0,935 |
| Stomach inflation | 0,091 | 0,001 | 0,018 |
| Stomach deflation | 0,625 | 0,060 | 0,204 |
| **Dynamic Respiratroy System Compliance** | Baseline | 0,860 | 0,837 | 0,566 |
| Hemorrhagic shock | 0,723 | 0,077 | 0,065 |
| Stomach inflation | 0,126 | <0,001 | <0,001 |
| Stomach deflation | 0,018 | 0,006 | 0,003 |
| **Cerebral NIRS** | Baseline | 0,344 | 0,813 | 0,521 |
| Hemorrhagic shock | 0,001 | 0,025 | 0,748 |
| Stomach inflation | 0,002 | 0,029 | 0,629 |
| Stomach deflation | 0,005 | 0,125 | 1,000 |
| **Thigh NIRS** | Baseline | 0,906 | 0,906 | 0,872 |
| Hemorrhagic shock | 0,001 | 0,001 | 0,520 |
| Stomach inflation | 0,001 | 0,001 | 0,010 |
| Stomach deflation | 0,001 | 0,033 | 0,180 |
| **Heart Rate** | Baseline | 0,353 | 0,436 | 0,775 |
| Hemorrhagic shock | 0,002 | 0,005 | 0,653 |
| Stomach inflation | 0,122 | 0,003 | 0,066 |
| Stomach deflation | 0,019 | 0,072 | 0,463 |
| **Mean arterial pressure** | Baseline | 0,508 | 0,806 | 0,487 |
| Hemorrhagic shock | <0,001 | <0,001 | 0,177 |
| Stomach inflation | <0,001 | <0,001 | 0,414 |
| Stomach deflation | <0,001 | 0,003 | 0,006 |
| **Central venous pressure** | Baseline | 0,788 | 0,115 | 0,080 |
| Hemorrhagic shock | 0,001 | <0,001 | 0,265 |
| Stomach inflation | 0,006 | 0,345 | 0,068 |
| Stomach deflation | 0,014 | 0,214 | 0,683 |
| **Pulmonary artery mean pressure** | Baseline | 0,858 | 0,305 | 0,412 |
| Hemorrhagic shock | <0,001 | <0,001 | 0,089 |
| Stomach inflation | 0,001 | 0,247 | 0,076 |
| Stomach deflation | 0,001 | 0,003 | 0,457 |
| **Cardiac index** | Baseline | 0,691 | 0,438 | 0,683 |
| Hemorrhagic shock | <0,001 | <0,001 | 0,568 |
| Stomach inflation | <0,001 | <0,001 | 0,005 |
| Stomach deflation | 0,007 | 0,003 | 0,019 |
| **Intraabdominal pressure** | Baseline | 0,882 | 0,301 | 0,467 |
| Hemorrhagic shock | 0,107 | 0,185 | 0,744 |
| Stomach inflation | 0,304 | <0,001 | <0,001 |
| Stomach deflation | 0,470 | 0,003 | 0,004 |
| **Arterial pH** | Baseline | 0,145 | 0,014 | 0,253 |
| Hemorrhagic shock | 0,077 | 0,102 | 0,683 |
| Stomach inflation | 0,001 | 0,005 | 0,157 |
| Stomach deflation | 0,001 | 0,003 | 0,006 |
| **Arterial base excess** | Baseline | 0,057 | 0,072 | 0,967 |
| Hemorrhagic shock | <0,001 | 0,001 | 0,391 |
| Stomach inflation | <0,001 | <0,001 | 0,052 |
| Stomach deflation | <0,001 | 0,003 | 0,004 |
| **Arterial Hb** | Baseline | 0,353 | 0,567 | 0,743 |
| Hemorrhagic shock | 0,215 | 0,269 | 0,712 |
| Stomach inflation | 0,046 | 0,184 | 0,790 |
| Stomach deflation | 0,042 | 0,947 | 0,182 |
| **Arterial potassium** | Baseline | 0,233 | 0,438 | 0,060 |
| Hemorrhagic shock | 0,200 | <0,001 | 0,004 |
| Stomach inflation | 0,627 | 0,001 | 0,001 |
| Stomach deflation | 0,200 | 0,006 | 0,003 |
| **Arterial lactate** | Baseline | 0,077 | 0,327 | 0,462 |
| Hemorrhagic shock | <0,001 | 0,001 | 0,683 |
| Stomach inflation | <0,001 | <0,001 | 0,122 |
| Stomach deflation | <0,001 | 0,003 | 0,053 |
| **Stroke volume index** | Baseline | 0,270 | 0,806 | 0,414 |
| Hemorrhagic shock | <0,001 | <0,001 | 0,624 |
| Stomach inflation | 0,001 | <0,001 | 0,007 |
| Stomach deflation | 0,004 | 0,003 | 0,020 |
| **Oxygen delivery** | Baseline | 0,691 | 0,514 | 0,221 |
| Hemorrhagic shock | <0,001 | <0,001 | 0,142 |
| Stomach inflation | <0,001 | <0,001 | 0,009 |
| Stomach deflation | 0,002 | 0,003 | 0,053 |
| **Arterial oxygen content** | Baseline | 0,310 | 0,513 | 0,683 |
| Hemorrhagic shock | 0,566 | 0,253 | 0,624 |
| Stomach inflation | 0,102 | 0,050 | 0,514 |
| Stomach deflation | 0,085 | 0,549 | 0,689 |

**Supplemental Table 1.** Parameters and according p-values for the four time periods (Base line, hemorrhagic shock, stomach inflation and stomach evacuation), and the three inter-group comparisons (Control vs. Hemorrhagic shock, Control vs. Hemorrhagic shock and stomach inflation, and Hemorrhagic shock vs. Hemorrhagic shock and stomach inflation). Statistical hypothesis testing was performed two-tailed and p-values <0.05 were considered statistically significant. Regarding multiple inter-group comparisons, a correction for multiple testing according to Bonferroni was performed. Therefore, p-values < 0.0042 were considered statistically significant for multiple inter-group comparisons.