## Supplementary Table 4. Post-hoc Analysis of PaCO₂

| CV ratio | CC vs CV1 | CC vs CV2 | CV1 vs CV2 | Time post-hoc p value* |
|----------|-----------|-----------|------------|------------------------|
|          | Baseline  | 1.000     | 1.000      | 1.000                  |
|          | 2 min     | 1.000     | 1.000      | 1.000                  |
|          | 6 min     | 0.571     | 0.240      | 1.000                  |
|          | 10 min    | 0.200     | 0.099      | 1.000                  |
|          | 14 min    | 1.000     | 1.000      | 1.000                  |
|          | 18 min    | 1.000     | 0.230      | 0.875                  |
|          | 22 min    | 0.623     | 0.529      | 1.000                  |

|          | Baseline  | 1.000     | 1.000      | 1.000                  |
|          | Baseline vs 2 min | 1.000 | 1.000 | 1.000 |
|          | Baseline vs 6 min | 0.102 | 1.000 | 1.000 |
|          | Baseline vs 10 min | 0.010 | 1.000 | 1.000 |
|          | Baseline vs 14 min | 1.000 | 1.000 | 1.000 |
|          | Baseline vs 18 min | 1.000 | 1.000 | 0.038 |
|          | Baseline vs 22 min | 1.000 | 0.154 | 0.055 |
|          | 2 min vs 6 min | <.0001 | 0.005 | 0.273 |
|          | 2 min vs 10 min | <.0001 | 0.022 | 0.241 |
|          | 2 min vs 14 min | 1.000 | 0.271 | 1.000 |
|          | 2 min vs 18 min | 1.000 | 0.170 | 0.014 |
|          | 2 min vs 22 min | 0.813 | 0.007 | 0.026 |
|          | 6 min vs 10 min | 1.000 | 1.000 | 1.000 |
|          | 6 min vs 14 min | 1.000 | 1.000 | 1.000 |
|          | 6 min vs 18 min | 1.000 | 1.000 | 0.545 |
|          | 6 min vs 22 min | 1.000 | 1.000 | 0.648 |
|          | 10 min vs 14 min | <.0001 | 1.000 | 1.000 |
|          | 10 min vs 18 min | 0.059 | 1.000 | 1.000 |
|          | 10 min vs 22 min | 1.000 | 1.000 | 1.000 |
|          | 14 min vs 18 min | 1.000 | 1.000 | 0.022 |
|          | 14 min vs 22 min | 1.000 | 0.936 | 0.126 |
|          | 18 min vs 22 min | 1.000 | 1.000 | 1.000 |

CV ratio, compression-to-ventilation ratio; CC, chest compression-only CPR; CV1, 30:1 CV ratio; CV2, 30:2 CV ratio.

*p-value after Bonferroni correction.