

A 9 month Old r-Sham and age-matched EFAD Control CVR ABG Values

| | Baseline | | End | |
|------------------------|------------------------|----------------------|------------------------|----------------------|
| | r-sham (<i>n</i> = 5) | EFAD (<i>n</i> = 3) | r-sham (<i>n</i> = 5) | EFAD (<i>n</i> = 3) |
| Temperature °C | 37 | 37 | 37 | 37 |
| pH | 7.43 ± 0.01 | 7.39 ± 0.01 | 7.42 ± 0.01 | 7.38 ± 0.01 |
| pCO ₂ mmHg | 36.96 ± 0.83 | 34.1 ± 1.4 | 37.22 ± 1.41 | 35.6 ± 1.65 |
| pO ₂ mmHg | 77.6 ± 3.09 | 86.66 ± 2.66 | 77.60 ± 4.88 | 83 ± 3.05 |
| BEecf mol/L | 0.40 ± 0.24 | -4 ± 0* | -0.20 ± 0.37 | -4 ± 0.57* |
| HCO ₃ mol/L | 24.78 ± 0.23 | 20.86 ± 0.29* | 24.18 ± 0.35 | 21.26 ± 0.52* |
| TCO ₂ mol/L | 26.0 ± 0.31 | 21.66 ± 0.33* | 25.20 ± 0.37 | 22.33 ± 0.33* |
| sO ₂ mol/L | 95.6 ± 0.50 | 96.66 ± 0.33 | 95.20 ± 0.8 | 96 ± 0 |
| Na mol/L | 143.8 ± 0.48 | 146 ± 0* | 144.8 ± 0.58 | 146.66 ± 0.33* |
| K mol/L | 5.70 ± 0.16 | 5.16 ± 0.08* | 5.56 ± 0.2 | 5.33 ± 0.03 |
| iCa mol/L | 1.20 ± 0.01 | 1.28 ± 0.01* | 1.22 ± 0.02 | 1.25 ± 0.03 |
| Glu mg/dL | 265.0 ± 8.24 | 244.66 ± 15.76 | 246.80 ± 10.98 | 239 ± 18.23 |
| Hct %PVC | 40.40 ± 0.74 | 37.33 ± 0.88* | 38.20 ± 1.06 | 36.33 ± 1.2 |
| Hb g/dL | 13.74 ± 0.26 | 12.7 ± 0.32* | 12.98 ± 0.35 | 12.36 ± 0.39 |

B 3 Months post injury r-Sham and r-mTBI CVR ABG Values

| | Baseline | | End | |
|------------------------|------------------------|------------------------|------------------------|------------------------|
| | r-sham (<i>n</i> = 5) | r-mTBI (<i>n</i> = 5) | r-sham (<i>n</i> = 5) | r-mTBI (<i>n</i> = 4) |
| Temperature °C | 37 | 37 | 37 | 37 |
| pH | 7.43 ± 0.01 | 7.39 ± 0.01 | 7.42 ± 0.01 | 7.41 ± 0.01 |
| pCO ₂ mmHg | 36.96 ± 0.83 | 37.04 ± 1.30 | 37.22 ± 1.41 | 36.25 ± 2.41 |
| pO ₂ mmHg | 77.6 ± 3.09 | 93.0 ± 6.25 | 77.60 ± 4.88 | 77.75 ± 8.79 |
| BEecf mol/L | 0.40 ± 0.24 | -2.0 ± 1.48 | -0.20 ± 0.37 | -1.25 ± 1.25 |
| HCO ₃ mol/L | 24.78 ± 0.23 | 22.88 ± 1.34 | 24.18 ± 0.35 | 23.07 ± 1.26 |
| TCO ₂ mol/L | 26.0 ± 0.31 | 24.0 ± 1.48 | 25.20 ± 0.37 | 24.25 ± 1.43 |
| sO ₂ mol/L | 95.6 ± 0.50 | 97.0 ± 0.44 | 95.20 ± 0.8 | 94.5 ± 1.84 |
| Na mol/L | 143.8 ± 0.48 | 145.60 ± 0.40* | 144.8 ± 0.58 | 146.5 ± 0.64 |
| K mol/L | 5.70 ± 0.16 | 5.48 ± 0.24 | 5.56 ± 0.2 | 5.17 ± 0.25 |
| iCa mol/L | 1.20 ± 0.01 | 1.20 ± 0.02 | 1.22 ± 0.02 | 1.19 ± 0.03 |
| Glu mg/dL | 265.0 ± 8.24 | 167.40 ± 20.73* | 246.80 ± 10.98 | 166.75 ± 26.76* |
| Hct %PVC | 40.40 ± 0.74 | 39.40 ± 1.43 | 38.20 ± 1.06 | 37.50 ± 0.95 |
| Hb g/dL | 13.74 ± 0.26 | 13.36 ± 0.49 | 12.98 ± 0.35 | 12.72 ± 0.33 |

C 9 months post-injury r-Sham and r-mTBI CVR ABG Values

| | Baseline | | End | |
|------------------------|------------------------|------------------------|------------------------|------------------------|
| | r-sham (<i>n</i> = 5) | r-mTBI (<i>n</i> = 6) | r-sham (<i>n</i> = 4) | r-mTBI (<i>n</i> = 5) |
| Temperature °C | 37 | 37 | 37 | 37 |
| pH | 7.37 ± 0 | 7.40 ± 0.01 | 7.41 ± 0.02 | 7.40 ± 0.01 |
| pCO ₂ mmHg | 40.32 ± 1.03 | 39.23 ± 1.57 | 34.25 ± 0.99* | 36 ± 1.94 |
| pO ₂ mmHg | 91.20 ± 3.44 | 91 ± 3.48 | 80.75 ± 4.26 | 81 ± 8.65 |
| BEecf mol/L | -1.60 ± 0.40 | -0.33 ± 0.49 | -2.50 ± 1.04 | -1.80 ± 1.49 |
| HCO ₃ mol/L | 23.64 ± 0.35 | 24.48 ± 0.42 | 22.02 ± 0.69 | 22.86 ± 1.39 |
| TCO ₂ mol/L | 24.60 ± 0.40 | 25.66 ± 0.55 | 23.00 ± 0.91 | 24 ± 1.44 |
| sO ₂ mol/L | 96.80 ± 0.37 | 96.83 ± 0.60 | 95.75 ± 0.94 | 94.80 ± 1.77 |
| Na mol/L | 145.6 ± 0.40 | 146.16 ± 0.40 | 145.0 ± 0.70 | 146.2 ± 1.15 |
| K mol/L | 5.68 ± 0.26 | 5.68 ± 0.12 | 6.60 ± 0.27 | 5.88 ± 0.16* |
| iCa mol/L | 1.28 ± 0 | 1.24 ± 0.01* | 1.24 ± 0.01* | 1.20 ± 0.03 |
| Glu mg/dL | 212.4 ± 13.45 | 228.33 ± 16.87 | 199.25 ± 8.46 | 222.60 ± 37.54 |
| Hct %PVC | 38.6 ± 1.43 | 39.83 ± 0.79 | 38.25 ± 2.28 | 37.40 ± 1.36 |
| Hb g/dL | 12.94 ± 0.46 | 13.6 ± 0.24 | 12.97 ± 0.77 | 12.74 ± 0.46 |