**eTable 5:** Summary, effect sizes and 95% CI for variables analysed with two-sample t-tests. Bonferroni – p-values adjusted with post-hoc Bonferroni test.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Time** | **Mean** | **SD** | **Comparison** | **Estimated Effect** | **95% lower CI** | **95% upper CI** | **p-value** | **Bonferroni** |
| Bronchoalveolar lavage protein levels (Fig. 2C) | Sham | 45.40 | 16.58 | Sham vs Day 14 | -5.21 | -8.52 | -1.90 | 0.01 | 0.02 |
| Day 14 | 525.75 | 139.59 | Day 14 Wash vs Day 14 | -2.79 | -4.86 | -0.72 | 0.03 | 0.11 |
| Day 14 Wash | 262.83 | 50.24 | Day 14 Rej vs Day 14 | -5.29 | -8.63 | -1.94 | 0.01 | 0.02 |
| Day 14 Rej | 36.89 | 18.73 | Day 14 Rej vs Day 14 Wash | -5.72 | -8.81 | -2.64 | <0.01 | <0.01 |
| Lung CD16 (Fig. 2D) | Sham | 3.02 | 9.12 | Sham vs Day 14 | -3.83 | -8.65 | 1.00 | 0.01 | 0.05 |
| Day 14 | 30.77 | 0.53 | Day 14 Wash vs Day 14 | -3.16 | -7.48 | 1.15 | 0.01 | 0.03 |
| Day 14 Wash | 0.84 | 0.68 | Day 14 Rej vs Day 14 | -3.06 | -7.29 | 1.17 | 0.01 | 0.03 |
| Day 14 Rej | 0.57 | 2.73 | Day 14 Rej vs Day 14 Wash | -0.23 | -2.51 | 2.04 | 0.61 | 1.00 |
| Kidney CD14 (Fig. 2D) | Sham | 1.78 | 1.57 | Sham vs Day 14 | -3.50 | -6.25 | -0.74 | <0.01 | 0.01 |
| Day 14 | 4.00 | 0.80 | Day 14 Wash vs Day 14 | -1.10 | -2.95 | 0.76 | 0.17 | 0.69 |
| Day 14 Wash | 2.41 | 1.88 | Day 14 Rej vs Day 14 | -6.17 | -10.83 | -1.50 | <0.01 | <0.01 |
| Day 14 Rej | 1.10 | 1.88 | Day 14 Rej vs Day 14 Wash | -1.54 | -3.77 | 0.69 | 0.10 | 0.40 |
| Human RBC CD235a-pos. MP (Fig. 3B) | Day 41 | 15.42 | 4.42 | Wash vs D41 | -3.27 | -4.91 | -1.62 | <0.01 | <0.01 |
| Wash | 4.75 | 2.45 | Rej vs D41 | -2.66 | -4.76 | -0.56 | <0.01 | 0.01 |
| Rej | 4.91 | 1.87 |  |  |  |  |  |  |
| Human RBC AV-pos. MP (Fig. 3B) | Day 41 | 16.66 | 4.60 | Wash vs D41 | -3.93 | -5.77 | -2.09 | <0.01 | <0.01 |
| Wash | 4.96 | 0.80 | Rej vs D41 | -2.93 | -5.12 | -0.73 | <0.01 | 0.01 |
| Rej | 4.26 | 1.25 |  |  |  |  |  |  |
| Human RBC CD235a/AV-pos. MP (Fig. 3B) | Day 41 | 15.31 | 4.29 | Wash vs D41 | -3.97 | -5.82 | -2.11 | <0.01 | <0.01 |
| Wash | 2.90 | 1.26 | Rej vs D41 | -3.29 | -5.62 | -0.97 | <0.01 | <0.01 |
| Rej | 3.62 | 1.18 |  |  |  |  |  |  |
| In vitro CD14 (Fig. 3D) | NT | 0.68 | 0.05 | NT vs MV | -5.83 | -10.29 | -1.37 | <0.01 | <0.01 |
| Washed RBC | 0.72 | 0.49 | Washed vs MV | -3.87 | -6.83 | -0.9 | <0.01 | 0.01 |
| MP | 2.67 | 0.53 | HS vs MV | -3.35 | -6.86 | 0.16 | 0.01 | 0.04 |
| HS.sup | 0.98 | 0.47 |  |  |  |  |  |  |
| Annexin V block (Fig. 3E) | MP 70 min | 170.44 | 113.86 | MV vs CTRL 70 min | 1.77 | -0.17 | 3.71 | 0.04 | 0.08 |
| MP.AV 70 min | 0.00 | 0.00 | MV vs MP/AV 70 min | 1.77 | -0.17 | 3.71 | 0.04 | 0.08 |
| CTRL 70 min | 0.00 | 0.00 | MV vs CTRL 80 min | 2.70 | 0.26 | 5.13 | 0.01 | 0.02 |
| MP 80 min | 239.40 | 107.95 | MP vs MV/AV 80 min | 2.67 | 0.25 | 5.09 | 0.01 | 0.02 |
| MP.AV 80 min | 4.00 | 5.29 | MV vs CTRL 90 min | 1.91 | 0.15 | 3.67 | 0.02 | 0.03 |
| CTRL 80 min | 1.67 | 2.89 | MV vs MP.AV 90 min | 1.94 | 0.02 | 3.87 | 0.02 | 0.05 |
| MP 90 min | 310.60 | 208.58 | MV vs CTRL 100 min | 2.15 | -0.81 | 5.11 | 0.07 | 0.14 |
| MP.AV 90 min | 4.00 | 4.69 | MV vs MV/AV 100 min | 3.12 | 0.08 | 6.16 | 0.01 | 0.03 |
| CTRL 90 min | 28.00 | 11.38 |  |  |  |  |  |  |
| MP | 423.00 | 301.23 |  |  |  |  |  |  |
| MP.AV | 2.40 | 3.21 |  |  |  |  |  |  |
| CTRL | 89.50 | 42.21 |  |  |  |  |  |  |
| Porcine RBC bags cell-free haemoglobin (Fig. 4A) | D1 | 0.09 | 0.07 | D1 vs Day14 | -15.78 | -20.48 | -11.08 | <0.01 | <0.01 |
| D7 | 0.18 | 0.08 | D7 vs Day14Wash | -13.03 | -16.94 | -9.12 | <0.01 | <0.01 |
| D14 | 0.26 | 0.15 | Day14Wash vs Day14 | 6.33 | 4.28 | 8.37 | <0.01 | <0.01 |
| D14W | 1.03 | 0.02 | Day14Rej vs Day14W | -37.53 | -51.80 | -23.26 | <0.01 | <0.01 |
| D14R | 0.06 | 0.03 |  |  |  |  |  |  |
| Plasma cell-free Hemoglobin  (Fig. 4B) | Sham | 0.12 | 0.26 | Sham vs Day14 | -1.15 | -4.28 | 1.98 | 0.24 | 1.00 |
| D14 | 0.37 | 0.04 | Sham vs Day14Wash | -2.22 | -4.71 | 0.26 | 0.03 | 0.14 |
| D14W | 0.87 | 0.38 | Day14Wash vs Day14 | 1.53 | -1.17 | 4.23 | 0.08 | 0.38 |
| D14R | 0.05 | 0.05 | Day14Rej vs Day14 | -6.90 | -14.43 | 0.63 | 0.01 | 0.04 |
|  |  |  | Day14Rej vs Day14Wash | -2.78 | -5.52 | -0.04 | 0.02 | 0.11 |
| HMOX expr. Kidney  (Fig. 4D) | Sham | 1.25 | 0.58 | Sham vs Day14 | -1.22 | -3.69 | 1.25 | 0.21 | 1.00 |
| D14 | 1.85 | 0.37 | Sham vs Day14Wash | -1.08 | -3.50 | 1.35 | 0.26 | 1.00 |
| D14W | 2.13 | 0.11 | Day14Wash vs Day14 | 0.37 | -1.91 | 2.66 | 0.67 | 1.00 |
| D14R | 0.41 | 0.99 | Day14Rej vs Day14 | -5.74 | -10.14 | -1.33 | <0.01 | 0.01 |
|  |  |  | Day14Rej vs Day14Wash | -2.72 | -5.44 | -0.01 | 0.02 | 0.08 |
| Iron levels kidney | Sham | 4.12 | 1.43 | Sham vs Day14 | 0.06 | -1.91 | 2.02 | 0.96 | 1.00 |
| D14 | 4.07 | 0.25 | Sham vs Day14Wash | -2.35 | -5.29 | 0.60 | 0.10 | 0.51 |
| D14W | 6.50 | 0.05 | Day14Wash vs Day14 | 12.58 | 3.72 | 21.44 | <0.01 | <0.01 |
| D14R | 5.14 | 0.39 | Day14Rej vs Day14 | 3.40 | 0.35 | 6.45 | 0.02 | 0.12 |
|  |  |  | Day14Rej vs Day14Wash | -4.87 | -9.39 | -0.36 | 0.03 | 0.13 |
| Iron levels lung | Sham | 0.10 | 0.17 | Sham vs Day14 | -1.29 | -2.19 | -0.39 | <0.01 | 0.02 |
| D14 | 0.29 | 0.06 | Sham vs Day14Wash | -1.56 | -2.47 | -0.65 | <0.01 | 0.01 |
| D14W | 0.27 | 0.13 | Day14Wash vs Day14 | -0.10 | -0.67 | 0.47 | 0.72 | 1.00 |
| D14R | 0.13 | 0.05 | Day14Rej vs Day14 | -1.18 | -1.89 | -0.47 | <0.01 | 0.01 |
|  |  |  | Day14Rej vs Day14Wash | -1.37 | -2.08 | -0.66 | <0.01 | <0.01 |
| Endothelial permeability (eFig. 1C) | CTRL 40 min | 427.00 | 66.47 | CTRL vs Hgb 40 min | -2.33 | -4.57 | -0.09 | 0.02 | 0.03 |
| Hgb 40 min | 1105.50 | 406.62 | CTRL vs HS 40 min | -2.30 | -4.53 | -0.07 | 0.02 | 0.03 |
| HS 40 min | 2356.25 | 1185.31 | MV vs Hgb 40 min | -2.05 | -4.18 | 0.09 | 0.03 | 0.06 |
| LPS 40 min | 1173.67 | 980.70 | MV vs HS 40 min | -2.23 | -4.43 | -0.02 | 0.02 | 0.04 |
| MP 40 min | 472.25 | 161.64 | CTRL vs Hgb 60 min | -2.13 | -4.29 | 0.04 | 0.02 | 0.05 |
| CTRL 60 min | 674.00 | 140.14 | CTRL vs HS 60 min | -2.67 | -5.06 | -0.29 | 0.01 | 0.02 |
| Hgb 60 min | 1428.00 | 481.65 | MV vs Hgb 60 min | -1.73 | -3.76 | 0.30 | 0.05 | 0.10 |
| HS 60 min | 3044.25 | 1245.48 | MV vs HS 60 min | -2.55 | -4.88 | -0.22 | 0.01 | 0.02 |
| LPS 60 min | 1558.00 | 585.89 |  |  |  |  |  |  |
| MP 60 min | 735.00 | 298.94 |  |  |  |  |  |  |
| CD62E (eFig. 1D) | PBS | 0.00 | 0.06 | PBS vs Hgb | 0.31 | -0.58 | 1.21 | 0.47 | 1.00 |
| Hgb | -0.05 | 0.04 | PBS vs HS | -0.16 | -1.10 | 0.79 | 0.73 | 1.00 |
| HS | 0.03 | 0.04 | MV vs Hgb | 0.79 | -0.17 | 1.74 | 0.09 | 0.55 |
| MP | 0.03 | 0.02 | MV vs HS | 0.03 | -0.94 | 1.00 | 0.94 | 1.00 |
| LPS | 5.07 | 0.28 | LPS vs Hgb | 9.30 | 6.16 | 12.44 | <0.01 | <0.01 |
|  |  | 0.06 | LPS vs HS | 8.67 | 5.55 | 11.79 | <0.01 | <0.01 |
| Fibronectin CS-1 (eFig. 1E) | PBS | 0.00 | 0.10 | PBS vs Hgb | -2.15 | -3.10 | -1.20 | <0.01 | <0.01 |
| Hgb | 0.97 | 0.12 | PBS vs HS | -3.19 | -4.32 | -2.05 | <0.01 | <0.01 |
| HS | 1.46 | 0.12 | MV vs Hgb | -1.60 | -2.38 | -0.82 | <0.01 | <0.01 |
| MP | 0.26 | 0.09 | MV vs HS | -2.67 | -3.60 | -1.74 | <0.01 | <0.01 |
| LPS | -0.09 | 0.08 | LPS vs Hgb | -2.45 | -3.45 | -1.45 | <0.01 | <0.01 |
|  |  |  | LPS vs HS | -3.52 | -4.72 | -2.32 | <0.01 | <0.01 |
| Activated 1-integrin (eFig. 1E) | PBS | 0.00 | 0.64 | PBS vs Hgb | -1.65 | -2.53 | -0.77 | <0.01 | <0.01 |
| Hgb | 4.40 | 0.69 | PBS vs HS | -1.77 | -2.66 | -0.87 | <0.01 | <0.01 |
| HS | 4.87 | 0.72 | MV vs Hgb | -1.54 | -2.31 | -0.77 | <0.01 | <0.01 |
| MP | 0.33 | 0.55 | MV vs HS | -1.67 | -2.46 | -0.88 | <0.01 | <0.01 |
| LPS | -1.28 | 0.48 | LPS vs Hgb | -2.27 | -3.24 | -1.30 | <0.01 | <0.01 |
|  |  |  | LPS vs HS | -2.37 | -3.36 | -1.38 | <0.01 | <0.01 |