**eTable 1: The global *F*-statistics and corresponding p-values for main and interaction terms of the fitted linear mixed models of different variables.** Effect: Main and interaction terms, representing both continuous and categorical variables, of the final fitted linear mixed model; numDF: Numerator degrees of freedom; denDF: Denominator degrees of freedom; Sig: An indication of the level of global statistical significance (\* p<0.05, \*\* p<0.01, \*\*\* p<0.001). The baseline value indicates the baseline value of a variable before the surgery (pre-surgery). The model includes the baseline value as a deviation from the overall population mean of the corresponding variable at the baseline. Wherever the baseline values for a variable was statistically significant the values at all time points were adjusted for the pre-surgery baseline value of the variable and p-values indicate statistical significance after the adjustment.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Effect** | **numDF** | **denDF** | **F-value** | **p-value** | **Sig** |
| Haemoglobin | Baseline | 1 | 20 | 23.63 | <0.001 | \*\*\* |
| Group | 3 | 20 | 31.67 | <0.001 | \*\*\* |
| Time | 1 | 20 | 7.89 | 0.01 | \* |
| Haematocrit | Baseline | 1 | 20 | 13.24 | <0.01 | \*\* |
| Group | 3 | 20 | 37.12 | <0.001 | \*\*\* |
| Time | 1 | 20 | 9.87 | 0.01 | \*\* |
| Lung Injury Score | Baseline | 1 | 22 | 67.64 | <0.001 | \*\*\* |
| Group | 3 | 22 | 4.13 | 0.02 | \* |
| Time | 1 | 25 | 139.30 | <0.001 | \*\*\* |
| Pulmonary Vascular Resistance Index | Baseline | 1 | 19 | 1.39 | 0.25 |  |
| Group | 3 | 19 | 4.43 | 0.02 | \* |
| Time | 1 | 20 | 14.60 | <0.01 | \*\* |
| PiO2/FiO2 | Baseline | 1 | 20 | 10.08 | <0.01 | \*\* |
| Group | 3 | 20 | 1.87 | 0.17 |  |
| Time | 1 | 23 | 119.95 | <0.001 | \*\*\* |
| Serum creatinine | Baseline | 1 | 21 | 30.27 | <0.001 | \*\*\* |
| Group | 3 | 21 | 8.54 | <0.001 | \*\*\* |
| Time | 1 | 22 | 0.12 | 0.73 |  |
| Creatinine clearance | Baseline | 1 | 22 | 51.34 | 0.05 |  |
| Group | 3 | 22 | 4.16 | 0.07 |  |
| Time | 1 | 22 | 2.59 | 0.01 | \* |
| IL-6 | Baseline | 1 | 19 | 33.53 | <0.001 | \*\*\* |
| Group | 3 | 19 | 7.08 | <0.01 | \*\* |
| Time | 1 | 18 | 5.39 | 0.03 | \* |
| IL-8 | Baseline | 1 | 17 | 7.59 | 0.01 | \* |
| Group | 3 | 17 | 9.84 | <0.001 | \*\*\* |
| Time | 1 | 19 | 12.76 | <0.01 | \*\* |
| Plasma iron levels | Baseline | 1 | 10 | 0.08 | 0.79 |  |
| Group | 3 | 10 | 0.74 | 0.55 |  |
| Time | 1 | 11 | 0.17 | 0.69 |  |
| Group:Time | 3 | 11 | 16.27 | <0.001 | \*\*\* |