**Table-6:** Simple logistic regression analysis to determine variables associated with shunt-related intervention.

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Odds ratio (OR) | 95% confidence interval (CI) | p value |
| **Age** | 1.04 | 0.97-1.12 | 0.30 |
| **Weight** | 1.14 | 0.89-1.45 | 0.29 |
| **Female gender** | 0.60 | 0.18-1.94 | 0.39 |
| **SV1 cardiac morphology** | 2.60 | 0.83-8.14 | 0.10 |
| **CPB2 used** | 0.88 | 0.21-3.66 | 0.86 |
| **Surgeon one** | 0.94 | 0.48-1.86 | 0.87 |
| **Shunt size ≤ 3.5 mm** | 0.79 | 0.26-2.39 | 0.67 |
| **Time to repair in days** | 1.01 | 0.99-1.01 | 0.13 |
| **Duration of MV3** | 1.05 | 0.99-1.02 | 0.08 |
| **LOS in CICU4** | 1.00 | 0.99-1.02 | 0.62 |
| **Preoperative**  **Hemoglobin in g/dL**  **WBC4 count X106/L**  **Platelet count X109/L**  **BUN6 in mg/dL**  **Creatinine in mg/dL** | 0.93  0.99  1.00  0.98  1.18 | 0.76-1.15  0.87-1.14  0.99-1.00  0.89-1.07  0.10-13.6 | 0.91  0.92  0.98  0.63  0.89 |
| **Postoperative**  **Hemoglobin in g/dL**  **WBC count X106/L**  **Platelet count X109/L**  **BUN in mg/dL**  **Creatinine in mg/dL** | 1.01  1.06  1.00  1.03  1.66 | 0.84-1.20  0.93-1.20  0.99-1.01  0.95-1.11  0.09-29.3 | 0.93  0.41  0.67  0.44  0.73 |
| **Duration of UFH7 in days** | 0.90 | 0.69-1.17 | 0.44 |
| **Preoperative RBCTx8** | 0.63 | 0.16-2.53 | 0.51 |
| **Intraoperative RBCTx** | 0.36 | 0.11-1.31 | 0.12 |
| **Postoperative < 24 hr. RBCTx** | 1.19 | 0.36-3.80 | 0.76 |
| **Postoperative ≥ 24 hr. RBCTx** | 3.78 | 1.20-11.87 | 0.02\* |
| **High-dose acetylsalicylic acid** | 2.23 | 0.72-6.96 | 0.17 |

Footnote: 1Single ventricle, 2CPB- cardiopulmonary bypass; 3MV- Mechanical ventilation; 4LOS in CICU-Length of stay in cardiac intensive care unit; 5WBC-White blood cell; 6BUN- Blood Urea Nitrogen; 7UFH- Unfractionated heparin; 8RBCTx- Red blood cells transfusion.