**Supplemental Table 3: Multiple Linear Regression Analysis Results for Hospital Length of Stay after Tetralogy of Fallot Repair**

| **Risk Factor** | **Parameter**  **Estimate (SE)** | **Partial R2** | **Model R2** | **P-value** |
| --- | --- | --- | --- | --- |
| Prolonged mechanical ventilation (> 7 days) | 2.95 (1.02) | 0.23 | 0.23 | <0.0001 |
| Septic shock | 1.36 (1.04) | 0.06 | 0.29 | <0.0001 |
| Need for cardiac catheterization | 1.21 (1.02) | 0.05 | 0.34 | <0.0001 |
| Tracheostomy | 3.40 (1.05) | 0.04 | 0.38 | <0.0001 |
| Single Antiarrhythmic | 1.06 (1.02) | 0.04 | 0.42 | <0.01 |
| Multiple Antiarrhythmics | 1.10 (1.02) | 0.04 | 0.46 | <0.0001 |
| Genetic syndromes | 1.22 (1.02) | 0.04 | 0.50 | <0.0001 |
| Prematurity | 1.33 (1.03) | 0.03 | 0.53 | <0.0001 |
| Chest tube insertion | 1.24 (1.03) | 0.02 | 0.55 | <0.0001 |
| Viral infection | 1.28 (1.03) | 0.02 | 0.57 | <0.0001 |
| Dysrhythmia | 1.13 (1.02) | 0.02 | 0.59 | <0.0001 |
| Brain hemorrhage | 1.32 (1.07) | 0.01 | 0.60 | <0.0001 |
| Necrotizing enterocolitis | 1.75 (1.13) | 0.01 | 0.61 | <0.0001 |
| Ethnicity | 1.01 (1.00) | <0.01 | 0.61 | 0.04 |

Complete list of risk factors selected by the final multivariate model for mortality.

SE=Standard Error.