**Table 3.** Predictors of mortality in infants with repaired truncus arteriosus

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable (n) | Non Survivor  (n = 326) | Mortality rate (%) | Univariate analysis:  OR (95% CI) | P-value | Multivariate analysis:  aOR (95% CI) | P-value |
| Sex, male (1541) | 145 | 9.4 | 0.74 (0.59–0.94) | 0.012 | 0.84 (0.55–1.29) | 0.434 |
| Race, White (1241) | 98 | 7.9 | 0.58 (0.44–0.76) | < 0.001 | 0.66 (0.43–1.02) | 0.060 |
| Elective admission (596) | 44 | 7.4 | 0.67 (0.47–0.93) | 0.018 | 0.88 (0.46–1.70) | 0.710 |
| GA <37 weeks (277) | 50 | 18.0 | 1.95 (1.40–2.72) | < 0.001 | 2.43 (1.40–4.22) | 0.002 |
| BW <2500 grams (249) | 35 | 14.1 | 1.39 (0.95–2.03) | 0.087 |  |  |
| Neonates (2026) | 262 | 12.9 | 2.17 (1.63–2.88) | < 0.001 | 1.29 (0.75–2.21) | 0.366 |
| Private insurance (1393) | 111 | 8.0 | 0.56 (0.44–0.71) | < 0.001 | 0.34 (0.20–0.55) | < 0.001 |
| Chromosomal anomalies other than 22q11.2 deletion syndrome (141) | 16 | 11.3 | 1.06 (0.62–1.80) | 0.782 |  |  |
| 22q11.2 deletion syndrome (820) | 68 | 8.3 | 0.68 (0.51–0.90) | 0.007 | 0.54 (0.34–0.87) | 0.011 |
| Respiratory anomalies (218) | 34 | 15.6 | 1.58 (1.08–2.33) | 0.019 | 1.52 (0.74–3.12) | 0.257 |
| Kidney anomalies (233) | 21 | 9.0 | 0.80 (0.50–1.27) | 0.341 |  |  |
| Stroke (61) | 35 | 58.3 | 12.8 (7.6–21.7) | < 0.001 | 26.2 (10.1–68.1) | < 0.001 |
| Intraventricular hemorrhage (117) | 20 | 16.9 | 1.73 (1.05–2.83) | 0.034 | 3.91 (1.67–9.11) | 0.002 |
| Shock (60) | 15 | 25.0 | 2.84 (1.56–5.15) | 0.001 | 5.36 (2.04–14.05) | 0.001 |
| Hypotension (306) | 40 | 13.1 | 1.28 (0.90–1.82) | 0.177 |  |  |
| Acute kidney injury (307) | 90 | 29.4 | 4.37 (3.31–5.79) | < 0.001 | 0.84 (0.48–1.47) | 0.546 |
| Chronic pulmonary heart disease (208) | 29 | 13.9 | 1.37 (0.91–2.06) | 0.134 | 0.67 (0.28–1.65) | 0.386 |
| Pneumothorax and air leak (152) | 9 | 5.9 | 0.51 (0.26–1.00) | 0.044 | 1.03 (0.36–2.98) | 0.956 |
| Pleural effusion (312) | 50 | 16.1 | 1.69 (1.22–2.34) | 0.002 | 0.78 (0.39–1.56) | 0.475 |
| Venous thrombosis (100) | 35 | 35.0 | 4.85 (3.16–7.44) | < 0.001 | 13.5 (6.7–27.2) | < 0.001 |
| Necrotizing enterocolitis (70) | 25 | 35.7 | 4.89 (2.95–8.08) | < 0.001 | 3.10 (1.24–7.74) | 0.015 |
| Acidosis (218) | 45 | 20.6 | 2.33 (1.64–3.31) | < 0.001 | 2.70 (1.48–4.93) | 0.001 |
| Septicemia (358) | 96 | 26.7 | 3.84 (2.93–5.03) | < 0.001 | 4.72 (2.84–7.82) | < 0.001 |
| Fungal infection (95) | 20 | 21.1 | 2.28 (1.37–3.79) | 0.004 | 6.08 (2.93–12.64) | < 0.001 |

Data are expressed in frequency (%).