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| **Supplemental Table 1. Patient characteristics at time of VAD implant.** |
|  | All(n=14) | Died(n=6) | Transplanted(n=8) | p-value |
| Age (years) | 8 (18 days-21) | 3.5 (52 days-9.2) | 10.6 (18 days-21) | 0.05 |
| Weight (kg) | 20.8 (2.8-66) | 10.1 (2.8-35.4) | 28.3 (3.2-66) | 0.04 |
| BSA (m2) | 0.8 (0.2-1.8) | 0.5 (0.2-0.9) | 1 (0.2-1.8) | 0.04 |
| Diagnosis |  |  |  | 0.19 |
| HLHS | 8 (57) | 3 (38) | 5 (62) |  |
| Unbalanced AVC | 3 (21) | 1 (33) | 2 (67) |  |
| DORV | 2 (14) | 2 (100) | 0 (0) |  |
| PA/IVS | 1 (7) | 0 (0) | 1 (100) |  |
| RV dominant | 13 (93) | 6 (46) | 7 (54) | 1.0 |
| Palliation |  |  |  | 0.05 |
| Pre-Glenn | 5 (36) | 2 (40) | 3 (60) |  |
| Glenn | 5 (36) | 4 (80) | 1 (20) |  |
| Fontan | 4 (28) | 0 (0) | 4 (100) |  |
| Labs |  |  |  |  |
| Sodium | 134 (122-146) | 136 (124-143) | 133 (122-146) | 0.65 |
| Creatinine | 0.6 (0.2-1.5) | 0.5 (0.2-1.5) | 0.6 (0.4-1) | 0.40 |
| Total bilirubin | 1.7 (0.3-14.5) | 3.4 (0.3-14.5) | 1.6 (0.7-7.8) | 0.33 |
| Albumin | 2.9 (2.1-4.1) | 2.9 (2.1-3.1) | 3 (2.5-4.1) | 0.22 |
| AST | 46 (18-558) | 60 (24-558) | 38 (18-130) | 0.16 |
| ALT | 43 (16-121) | 44 (16-121) | 43(18-64) | 0.79 |
| Hematocrit | 46 (37-59) | 46 (37-51) | 48 (39-59) | 0.30 |
| Platelets | 224 (62-409) | 225 (83-409) | 228 (62-298) | 1.0 |
| Echocardiogram\* |  |  |  |  |
| Systolic dysfunction |  12 (86) | 5 (42) | 7 (68) | 1.0 |
| AVVR | 8 (57) | 4 (50) | 4 (50) | 0.63 |
| Intermacs stage |  |  |  | 0.34 |
| 1 | 5 (36) | 3 (60) | 2 (40) |  |
| 2 | 9 (64) | 3 (33) | 6 (67) |  |
| ECMO  | 3 (21) | 2 (67) | 1 (33) | 0.39 |
| Intubated | 7 (50) | 4 (57) | 3 (43) | 0.59 |
| Inotropic support  | 13 (93) | 6 (46) | 7 (54) | 1.0 |
| Milrinone | 12 (86) | 5 (42) | 7 (58) |  |
| Dopamine | 11 (79) | 5 (45) | 6 (55) |  |
| Epinephrine | 3 (21) | 1 (33) | 2 (67) |  |
| Year of implant |  |  |  | 0.58 |
| 2009-2013 | 5 (36) | 3 (60) | 2 (40) |  |
| 2014-2017 | 9 (64) | 3 (33) | 6 (67) |  |
| Device |  |  |  | 0.57 |
| HeartWare HVAD | 7 (50) | 2 (29) | 5 (71) |  |
| Berlin Heart EXCOR | 2 (14) | 2 (100) | 0 (0) |  |
| Thoratec Pedimag | 2 (14) | 1(50) | 1 (50) |  |
| Sorin Revolution | 2 (14) | 1 (50) | 1 (50) |  |
| Thoratec LVAD | 1 (7) | 0 (0) | 1 (100) |  |
| Device type |  |  |  | 0.39 |
| Continuous  | 11 (79) | 4 (36) | 7 (64) |  |
| Pulsatile | 3 (21) | 2 (67) | 1 (33) |  |
| *Data presented as N (%) or median (range)**Abbreviations: BSA, body surface area; HLHS, hypoplastic left heart syndrome; AVC, atrioventricular canal; DORV, double outlet right ventricle; PA/IVS, pulmonary atresia/intact ventricular septum; RV, right ventricle; AST, aspartate aminotransferase; ALT, alanine aminotransferase; AVVR, atrioventricular valve regurgitation; ECMO, extracorporeal membrane oxygenator* *\* Defined as qualitative report of moderate or severe systolic dysfunction and moderate or severe AVVR by echocardiogram* |