**Table 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **No tMCS  (N=50)** | **IABP  (N=22)** | **ECMO  (N=11)** | ***p-*value** |
| **Demographics** |  |  |  |  |
| Age (yr) | 57 (51,63) | 61 (43,66) | 53 (42,55) | 0.33 |
| Male, N (%) | 43 (86) | 21 (95) | 9 (82) | 0.42 |
| White, N (%) | 24 (48) | 8 (36) | 5 (45) | 0.54 |
| Ischemic etiology, N (%) | 18 (36) | 6 (27) | 3 (27) | 0.71 |
| BMI (kg/m2) | 27.7±5.6 | 28.9±5.8 | 29.7±6.4 | 0.51 |
| Intent to treat, N (%) |  |  |  | 0.54 |
| Bridge to transplant | 19 (38) | 9 (41) | 3 (27) |  |
| Bridge to candidacy | 26 (52) | 13 (59) | 7 (64) |  |
| Destination therapy | 5 (10) | 0 (0) | 1 (9) |  |
| **Comorbidities/Acuity** |  |  |  |  |
| Diabetes, N (%) | 22 (44) | 9 (41) | 2 (18) | 0.28 |
| Peripheral vascular disease, N (%) | 8 (16) | 5 (23) | 1 (9) | 0.59 |
| Renal replacement therapy, N (%) | 2 (4) | 1 (4) | 2 (18) | 0.19 |
| Ventilator, N (%) | 0 (0) | 0 (0) | 2 (18) | **0.001** |
| Prior sternotomy, N (%) | 10 (20) | 4 (18) | 4 (36) | 0.44 |
| INTERMACS profile, N (%): |  |  |  | **<0.001** |
| 1 | 1 (2) | 7 (32) | 11 (100) |  |
| 2 | 13 (26) | 10 (45) | 0 (0) |  |
| 3 | 28 (56) | 4 (18) | 0 (0) |  |
| ≥4 | 8 (16) | 1 (4) | 0 (0) |  |
| Pre-LVAD hospital days | 2.5 (1,11) | 10 (8,18) | 14 (9,22) | **0.002** |
| Pre-LVAD MCS duration | **--** | 6 (3,8) | 10 (6,21) | **0.02** |
| **Laboratory** |  |  |  |  |
| Na (meq/L) | 135±5 | 133±4 | 134±4 | 0.10 |
| BUN (mg/dL) | 28 (20,37) | 39 (26,48) | 25 (15,44) | 0.11 |
| Creatinine (mg/dL) | 1.26 (1.05,1.60) | 1.53 (1.38,1.82) | 1.05 (0.99,1.65) | **0.04** |
| Albumin (g/dL) | 3.8±0.4 | 3.7±0.4 | 3.0±0.3 | **<0.001** |
| AST (U/L) | 32 (27,41) | 44 (37,56) | 56 (41,77) | **<0.001** |
| Total bilirubin (mg/dL) | 1.1 (0.8,1.4) | 1.1 (0.9,1.7) | 1.2 (0.9,2.6) | 0.26 |
| MELD-XI Score | 13.3 (10.4,16.7) | 16.3 (13.3,17.3) | 14.1 (10.4,20.5) | 0.11 |
| Hemoglobin (g/dL) | 11.0 (9.7,12.8) | 9.3 (8.3,11.0) | 8.3 (7.6,9.7) | **<0.001** |
| **Echocardiography** |  |  |  |  |
| LV end-diastolic diameter (cm) | 7.1±1.0 | 7.1±1.0 | 7.3±1.1 | 0.90 |
| LV ejection fraction (%) | 15 (12,20) | 15 (12,20) | 12 (10,15) | 0.31 |
| Severe RV dysfunction, N (%) | 10 (20) | 4 (18) | 4 (36) | 0.44 |
| Moderate-severe TR, N (%) | 19 (38) | 8 (36) | 6 (54) | 0.55 |
| **Hemodynamics** |  |  |  |  |
| PCWP (mmHg) | 20±7 | 24±8 | 27±7† | **0.02** |
| CVP (mmHg) | 8 (4,12) | 15 (8,18) | 14 (7,15) | **0.02** |
| PAS (mmHg) | 46±13 | 53±12 | 47±10\* | 0.07 |
| PAD (mmHg) | 21±7 | 26±7 | 25±9\* | **0.04** |
| CI (L/min/m2) | 1.90 (1.64,2.25) | 2.00 (1.86,2.50) | 1.85 (1.53,2.29)† | 0.27 |
| CVP:PCWP ≥ 0.63, N (%) | 13 (26) | 8 (36) | 2 (25) † | 0.65 |
| PAPi < 2.0, N (%) | 13 (26) | 12 (54) | 6 (60)\* | **0.02** |

Legend: Preoperative characteristics. Abbreviations: PAPi: Pulmonary artery pulsatility index; TR: tricuspid valve regurgitation.

Missing data: \*N=1; †N=3