**Table 1:** Pre-Operative patient characteristics undergoing CF-LVAD Implantation.

|  |  |  |
| --- | --- | --- |
|  | **BMI kg/m2** |  |
| **Pre-Operative Variable** | **≥ 35** ***n* = 36 (23%)** | **< 35** ***n* =121 (77%)** | ***P* value** |
| Age in years, mean ± SD | 47 ± 12.7 | 55 ± 13.4 | 0.001 |
| Gender-Female, % | 44 | 24 | 0.04 |
| BMI, mean ± SD | 41.6 ± 5.5 | 27.8 ± 4.1 |  |
| BMI, median (range) | 40.7 (35.3, 58.5) | 28 (17.6, 34.9) |  |
| Cerebrovascular Disease, % | 5.6 | 17 | 0.11 |
| Diabetes, % | 44 | 47 | 0.85 |
| Hypertension, % | 78 | 68 | 0.30 |
| Renal Failure-Dialysis, % | 3 | 7 | 0.46 |
| History of Cigarette Smoking, % | 21 | 30 | 0.38 |
| Prior MI, % | 22 | 46 | 0.01 |
| Arrhythmia, % | 36 | 63 | 0.007 |
| Previous CABG, % | 3 | 17 | 0.03 |
| Hemoglobin A1C Prior to Surgery, mean ± SD | 7.2 ± 2.2 | 6.6 ± 1.5 | 0.34 |
| Hematocrit- mg/dl, mean ± SD | 33.8 ± 6.0 | 34.9 ± 6.6 | 0.49 |
| Total Bilirubin mg/dl, mean ± SD | 1.2 ± 1.2 | 1.2 ± 0.8 | 0.09 |
| MELD Score, mean ± SD | 13.4 ± 4.5 | 13.9 ± 5.6 | 0.90 |
| Creatinine mg/dl, mean ± SD | 1.4 ± .6 |  1.3 ± 0.6 | 0.30 |
| Ejection Fraction, mean ± SD | 15.4 ± 5.1 | 15.1 ± 5.6 | 0.60 |
| Right Heart Catheter Pressures (mmHg) |  |  |  |
|  Right atrial pressure mean | 18.3 ± 8.8 | 13.3 ± 5.7 | 0.004 |
|  Pulmonary artery systolic pressure | 61.4 ± 11.6 | 55.4 ± 13.4 | 0.02 |
|  Pulmonary artery diastolic pressure | 34.5 ± 8.3 | 30.2 ± 8.3 | 0.01 |
|  Pulmonary artery mean pressure | 44.7 ± 7.9 | 38.7 ± 9.6 | 0.001 |
|  PCWP  | 32.4 ± 9.0 | 27.8 ± 8.0 | 0.01 |
|  PVR | 3.2 ± 1.9 | 3.5 ± 1.7 | 0.13 |
| INTERMACS Class |  |  | 0.13 |
|  1, % | 11 | 33 |  |
|  2, % | 37 | 24 |  |
|  3, % | 33 | 24 |  |
|  4, % | 19 | 18 |  |
| Device |  |  | 0.42 |
|  HeartMate II, % | 81 | 87 |  |
|  HeartWare HVAD, % | 19 | 13 |  |
| LVAD Designation |  |  | 0.68 |
|  Bridge to Transplantation, % | 61 | 61 |  |
|  Destination, % | 36 | 31 |  |
|  Bridge to Recovery, % | 3 | 7 |  |
| Status |  |  | 0.93 |
|  Elective, % | 8 | 9 |  |
|  Urgent, % | 83 | 84 |  |
|  Emergent, % | 8 | 7 |  |

BMI: Body Mass Index; MI: Myocardial Infarction; MELD: Model for End-stage Liver Disease; SD: Standard Deviation; PCWP: Pulmonary Capillary Wedge Pressure; PVR: Pulmonary Vascular Resistance; INTERMACS: Interagency Registry for Mechanically Assisted Circulatory Support.