**Relationship between device acceptance and patient-reported outcomes in Left Ventricular Assist Device (LVAD) recipients**

Crispino Tosto PhD+1, Luigi Adamo MD PhD\*+2, Heidi Craddock NP2, Maria Di Blasi PsyD1, Rosario Girgenti PsyD3, Francesco Clemenza MD3, Robert M. Carney PhD4, Gregory Ewald MD2

1From the University of Palermo, Department of Psychological and Educational Sciences, Palermo, Italy

2From the Cardiovascular Division, Department of Medicine, Washington University School of Medicine St. Louis, MO, USA

3From the Heart Failure Unit, ISMETT, Palermo, Italy

4From the Department of Psychiatry, Washington University School of Medicine, St Louis, MO, USA

+these authors contributed equally to this work

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplementary Table 1. Linear Regression Analyses Predicting Symptoms of Depression, Symptoms of Anxiety, and Quality of Life from Device Acceptance Dimensions, Adjusted for Age, Time since LVAD Implant, and NYHA Functional Class** | | | | | | | | |
|  | Depression | |  | Anxiety | |  | QoL | |
| Predictors | β | |  | β | |  | β | |
| Return to function |  | ­-0.27\* |  |  | ­-0.19b |  |  | ­0.36\*\*\* |
| Device-related distress |  | ­0.34\*\* |  |  | ­0.46\*\*\* |  |  | ­-0.15 |
| Positive appraisal |  | ­-0.02 |  |  | 0.01 |  |  | ­-0.13 |
| Body image concerns |  | ­0.02 |  |  | ­-0.02 |  |  | ­0.03 |
| Total R2 | 0.31\*\*\* |  |  | 0.34\*\*\* |  |  | 0.49\*\*\* |  |
| Corrected Total R2 | 0.26\*\*\* |  |  | 0.29\*\*\* |  |  | 0.44\*\*\* |  |
| NYHA, New York Heart Association; R2, Variance; Corrected Total R2, Variance corrected for the number of predictors; β, Standardized regression coefficient; QoL, Quality of Life; LVAD, Left Ventricular Assist Device; NYHA, New York Heart Association.  \* p< 0.05 \*\* p<0.01 \*\*\* p < .001 b p=0.07 | | | | | | | | |