Table 1. Preliminary core outcome and variable set classified by main domains

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| **Domain** | **Outcome** | **Variable** |
| **Baseline patients’ characteristics** | * Variables related to the patient/comorbidities | Age, sex, BMI, smoking, alcohol, diabetes, renal dysfunction, hepatic dysfunction, chronic pulmonary obstructive disease, dyslipidemia, hipertension |
| * Cardiovascular history | Prior LVEF, arrhythmia, atrial fibrillation, acute myocardial infarction, stroke, peripheral vascular disease, cardiac surgery, LVAD, pacemaker/CRT/ ICD, PCI or CABG |
| **Pharmacological management** | | * Cardiovascular and antithrombotic drugs |
| **Factors related to the technique** | | * Device trademark * Availability of transplant unit * Learning curve |
| **Safety** | * In-hospital death | * Date of death * Cause of death (CV and non-CV death) |
| * Cardiac adverse events | * Acute myocardial infarction * Right-sided heart failure * Chronic right-sided heart failure * Atrial fibrillation/flutter * Ventricular arrhythmia requiring defibrillation therapy * Acute endocarditis |
| * Neurological adverse events | * Stroke (type and severity) * Transient ischaemic attack |
| * Other serious adverse events | * Renal dysfunction requiring dialysis * Respiratory failure * Hepatic dysfunction * Sepsis * Bleeding requiring blood transfusion * Multiple organ failure |
| * LVAD device-related adverse event | * Major infection LVAD-related * Pump thrombus * Aortic regurgitation * Aortic regurgitation grade * LVAD major failure |
| **Effectiveness** | * Overall survival | * Date of death * Cause of death * Loss follow-up |
| * Survival free of events | * Date of acute myocardial infarction * Date of right heart failure * Date of ventricular arrhythmia requiring defibrillation therapy * Date of atrial fibrillation/flutter * Date of stroke * Date of LVAD replacement or explant * Date of other surgical interventions LVAD-related |
| * Functional capacity | * 6-min walk test (6 MWT) * NYHA class * End-diastolic volume |
| * Quality of life | * Kansas City Cardiomyopathy Questionnaire (KCCQ-12) * EuroQol-5D (EQ-5D) |
| **Patient or caregiver acceptability or satisfaction** | | Adaptation of the SATISCORE patient satisfaction questionnaire for cardiac surgery (Spanish)1 |
| **Health system impact** | * LOS for LVAD implantation | * Date of admission * Date of discharge |
| * LOS in ICU post-intervention | * Date of ICU admission * Date of ICU discharge |
| * LOS in cardiac unit readmission | * Date of cardiac unit readmission * Date of cardiac unit discharge |
| * LOS in ICU readmission | * Date of readmission in ICU * Date of ICU discharge |
| * LOS in other hospital unit readmission | * Date of other hospital unit readmission * Date of other hospital unit discharge |
| * LVAD-related specialized care consultations | * Number of specialized care consultations |
| * LVAD-related primary care consultations | * Number of primary care consultations |
| * LVAD-related home consultations | * Number of home consultations |

**Abbreviations:** BMI, body mass index; CV, cardiovascular; ICU, intensive care unit; LVAD, left ventricular assist device; LOS, length of hospital stay.

1The following issues are proposed to measure the satisfaction and acceptability of the patient / caregiver (5-points Likert scale: 1=very dissatisfied; 2=dissatisfied; 3=neither satisfied nor dissatisfied; 4=satisfied; 5=very satisfied): (a) In general, how satisfied are you living with LVAD and (b) Indicate the degree of agreement with the following statement: “If I found myself the same as before, I would have surgery again”.