

SUPPLEMENTARY DATA

Supplementary table 1. Propensity score matching adjusted variables

| | No levosimendan (N = 176) | Levosimendan (N = 176) | Standardized difference (%) | P |
|--|------------------------------|---------------------------|--------------------------------|-------|
| Demographic | | | | |
| Male sex | 134 (76.1%) | 137 (77.8%) | 4.04 | .704 |
| Age | 54.5±10.1 | 54.3±10.8 | 0.16 | .875 |
| Weight | 76.9±16.3 | 77.1±16.8 | 1.21 | .909 |
| BMI | 26.6±5.0 | 26.5±4.8 | 2.04 | .786 |
| Ischemic etiology | 65(36.9%) | 67(38.1%) | 2.48 | .826 |
| Status at the time of listing | | | | |
| NYHA IV | 109 (61.9%) | 105 (59.7%) | 4.50 | .662 |
| Atrial fibrillation | 100 (56.8%) | 95 (54.0%) | 5.63 | .592 |
| Number of previous hospitalizations for HF | 1.47±1.3 | 1.49±1.2 | 1.81 | .899 |
| ICD carrier | 161 (91.5%) | 156 (88.6%) | 2.60 | .373 |
| CRT carrier | 53 (30.1%) | 55 (31.3%) | 9.68 | .817 |
| Drugs at the time of listing | | | | |
| Beta-blockers | 152 (86.4%) | 152 (86.4%) | 0 | 1.000 |
| ACEI/ARB | 84 (47.7%) | 87 (49.4%) | 3.40 | .749 |
| ARNI | 53 (30.1%) | 51 (29.0%) | 2.41 | .815 |
| MRA | 152 (86.4%) | 148 (84.1%) | 6.48 | .548 |
| SGLT2i | 15 (8.5%) | 14 (8.0%) | 1.81 | .846 |
| Loop diuretics | 172 (97.7%) | 170 (96.6%) | 6.61 | .521 |
| Additional tests at the time of listing | | | | |
| Creatinine (mg/dL) | 1.41±.62 | 1.38±0.49 | 4.00 | .621 |
| LVEF (%) | 26.4±12.1 | 25.3±10.0 | 9.82 | .358 |
| mPAP (mmHg) | 30.3±9.6 | 29.9±9.5 | 4.21 | .671 |
| PCWP (mmHg) | 21.5±8.0 | 21.1±8.1 | 5.06 | .673 |
| CO (L/min) | 4.1±1.2 | 4.1±1.5 | 0.75 | .895 |
| PVR (WU) | 2.32±1.42 | 2.23±1.35 | 7.19 | .553 |

Values are mean (SD), n (%). ACEI, angiotensin-converting enzyme inhibitor; ARB, Angiotensin receptor blocker; ARNI, Angiotensin receptor neprilysin inhibitor; BMI: Body mass index; CO: Cardiac output; HF: Heart failure; ICD: Implantable cardioverter defibrillator; LVEF: Left ventricular ejection fraction; mPAP: Mean pulmonary artery pressure; MRA: Mineralocorticoid receptor antagonist; NYHA: New York Heart Association; PCWP: Pulmonary capillary wedge pressure; PVR: Pulmonary vascular resistance; SGLT2i: Sodium-glucose cotransporter 2 inhibitor; WU: Wood units.

Supplementary table 2. Participating centers

| Participating centres (Spain) | Patients | Percentage |
|--|----------|------------|
| Hospital Univesitari i Politècnic La Fe, Valencia | 119 | 11.7 % |
| Complejo Hospitalario Universitario A Coruña, A Coruña | 110 | 10.8 % |
| Hospital Universitario 12 de Octubre, Madrid | 103 | 10.1 % |
| Hospital Clínic Universitari, Barcelona | 86 | 8.5 % |
| Hospital Universitari Bellvitge, L'Hospitalet de Llobregat, Barcelona | 76 | 7.5 % |
| Hospital General Universitario Gregorio Marañón, Madrid | 71 | 7.0 % |
| Hospital Universitario Marqués de Valdecilla, Santander, Cantabria | 69 | 6.8 % |
| Hospital Universitario Puerta de Hierro-Majadahonda, Majadahonda, Madrid | 66 | 6.5 % |
| Hospital Universitario Virgen de la Arrixaca, El Palmar, Murcia | 62 | 6.1 % |
| Hospital de la Santa Creu i Sant Pau, Barcelona | 58 | 5.7 % |
| Hospital Universitario Virgen del Rocío, Sevilla | 57 | 5.6 % |
| Hospital Universitario Central de Asturias, Oviedo, Asturias | 47 | 4.6 % |
| Hospital Clínico Universitario, Valladolid | 41 | 4.0 % |
| Clínica Universitaria de Navarra, Pamplona, Navarra | 37 | 3.6 % |
| Hospital Universitario Virgen de la Victoria, Málaga* | 13 | 1.3 % |

*Patients provided by H.U. Virgen de la Victoria (Málaga) were included in the waiting list of the referral heart transplantation center (H.U. Virgen del Rocio, Sevilla).

Supplementary table 3. Additional investigators from participating centres

| Participating centers | Investigators |
|--|---|
| Hospital Univesitari i Politècnic La Fe, Valencia | Víctor Donoso Trenado Ignacio Sánchez Lázaro |
| Complejo Hospitalario Universitario A Coruña, A Coruña | Paula Blanco Canosa Eduardo Barge Caballero María Jesús Paniagua Martín |
| Hospital Universitario 12 de Octubre, Madrid | Irene Marco Clement Juan Carlos López-Azor Pedro Caravaca Pérez |
| Hospital Clínic Universitari, Barcelona | Eduard Solé Marta Farrero |
| Hospital Universitari Bellvitge, L'Hospitalet de Llobregat, Barcelona | Carles Díez-López Elena García-Romero Nicolás Manito-Lorite |
| Hospital General Universitario Gregorio Marañón, Madrid | Carlos Ortiz-Bautista Javier Castrodeza Manuel Martínez-Sellés |
| Hospital Universitario Marqués de Valdecilla, Santander, Cantabria | Miguel Llano Cardenal Cristina Castrillo Bustamante |
| Hospital Universitario Puerta de Hierro-Majadahonda, Majadahonda, Madrid | Manuel Gómez-Bueno Francisco Hernández-Pérez Mercedes Rivas-Lasarte |
| Hospital Universitario Virgen de la Arrixaca, El Palmar, Murcia | Iris P. Garrido-Bravo Domingo A. Pascual-Figal |
| Hospital de la Santa Creu i Sant Pau, Barcelona | Mireia Padilla Sonia Mirabet |
| Hospital Universitario Virgen del Rocío, Sevilla | Antonio Grande-Trillo José Manuel Sobrino-Márquez Antonio Aranda-Dios |
| Hospital Universitario Central de Asturias, Oviedo, Asturias | Vanesa Alonso Fernández Antonio Adeba García Cristina Fidalgo Muñiz |
| Hospital Clínico Universitario, Valladolid | María Plaza Martín |
| Clínica Universitaria de Navarra, Pamplona, Navarra | Juan José Gavira Gómez |
| Hospital Universitario Virgen de la Victoria, Málaga* | Arancha Díaz Expósito José David Martínez-Carmona Manuel Luna-Morales |

This information is included under the acknowledgements heading in the main text.

*Patients provided by H.U. Virgen de la Victoria (Málaga) were included in the waiting list of the referral heart transplantation center (H.U. Virgen del Rocío, Sevilla).

Supplementary table 4. Safety and adverse events according to prescription patterns

| | Flexible (N = 127) | Other patterns (N = 99) | P |
|-----------------|--------------------|-------------------------|--------|
| Discontinuation | 9 (7.1%) | 40 (40.4%) | < .001 |
| Futility | 2 (1.5%) | 25 (24.5%) | < .001 |
| Improvement | 1 (0.8%) | 11 (11.1%) | .001 |
| Adverse events | 5 (3.9%) | 1 (1%) | .234 |

Supplementary figure 1. 1-year survival on the waiting list according to prescription patterns

