

Supplementary Data 1: Characteristics of all included studies.

DMC: diabetic cardiomyopathy, IR: ischemia-reperfusion, LVEF: left ventricular ejection fraction, LVFS: left ventricular fractional shortening, LVEDD: left ventricular end diastolic diameter, LVEDP: left ventricular end diastolic pressure, LVDevP: left ventricular developed pressure, Pacing: pacing-induced heart failure, PO: pressure overload, RPP: rate pressure product.

Supplementary Data 2: CAMARADES checklist and assessment of attrition bias.

CAMARADES checklist: (1) peer reviewed publication; (2) control of temperature; (3) allocation concealment; (4) random allocation to treatment or control; (5) blinded assessment of outcome; (6) sample size calculation; (7) compliance with animal welfare regulations; and (8) statement of potential conflict of interests.

Supplementary Data 3: Numerical data of all included studies.

This dataset provides the extracted numerical data from each study included in the analysis, along with study characteristics.

Supplementary Data 4: Source data for Figure 6

This dataset provides the numerical results underlying the individual points in Figure 6. FAO: fatty acid oxidation, GO: glucose oxidation, ↑ or ↓: increased or decreased.