

Table S4. General characteristics of the study population by LV diastolic function status.

Characteristics	No LVDD (n=1528)	LVDD (n=554)
<i>General clinical data</i>		
Age, y	47.0±15.9	60.5±15.8*
Female, n (%)	847 (55.4)	331 (59.7)
Body mass index, kg/m ²	27.6±6.3	30.6±7.1*
Systolic BP, mm Hg	120.0±14.3	132.5±17.5*
Diastolic BP, mm Hg	74.7±9.4	78.7±10.8*
Heart rate, bpm	66.3±10.9	69.5±12.5*
Race		
White, n (%)	940 (61.5)	363 (65.5)
Black or African American, n (%)	241 (15.8)	113 (10.4)
Asian, n (%)	174 (11.4)	40 (7.2)
Other, n (%)	173 (11.3)	38 (6.8)
<i>Questionnaire and medical history</i>		
Current smoker, n (%)	212 (13.9)	81 (14.6)
Hypertension, n (%)	420 (27.5)	379 (68.4)**
Antihypertensive treatment, n (%)	219 (14.3)	222 (40.1)**
Diabetes mellitus type 2, n (%)	133 (9.0)	143 (26.7)**
History of CHD, n (%)	20 (1.3)	40 (7.2)**
<i>Biochemistry</i>		
HbA1c, %	5.53±0.81	6.05±1.25*
Total cholesterol, mmol/L	4.79±0.97	4.73±1.09
HDL cholesterol, mmol/L	1.55±0.50	1.44±0.48*
Triglycerides, mmol/L	1.18 (0.62 to 2.94)	1.42 (0.82 to 3.39) *
eGFR, ml/min/1.73 m ²	89.9±18.9	82.2±20.5*
<i>Conventional echocardiography</i>		
LV mass index, g/m ²	67.9±15.2	75.9±20.4*
Relative wall thickness	0.36±0.07	0.41±0.09*
LV ejection fraction, %	58.7±3.4	58.8±5.4
<i>LV diastolic function</i>		
E/A ratio	1.39±0.47	0.97±0.43*
Septal-lateral e' peak, cm/s	11.3±2.8	7.31±2.01*
E/e' ratio	7.1±1.7	10.5±3.4*
LA volume index, mL/m ²	27.6±6.6	29.1±9.5*
<i>Coronary artery calcium</i>		
CAC score = 0, n (%)	1049 (68.7)	202 (36.5)**
CAC score 0-100, n (%)	304 (19.9)	168 (30.3)
CAC score 100-300, n (%)	99 (6.5)	61 (11.0)
CAC score >300, n (%)	76 (5.0)	123 (22.2)

Values are mean±SD, number of subjects (%) or median (10 to 90 percentile). BP, blood pressure; CAC, coronary artery calcium; CHD, coronary heart disease; eGFR, estimated glomerular filtration rate; HbA1c, hemoglobin A1c; LA, left atrial; LV, left ventricular; LVDD, left ventricular diastolic dysfunction. LVDD included grade I and II dysfunction. **P*<0.05 in independent T-test. ***P*<0.05 for contingency table in Pearson's chi-square test.