

Table S1. Baseline clinical characteristics of patients enrolled

| | Total cohort n=70 | Low HDL-C* n=42 | High HDL-C* n=28 | P-value |
|----------------------------|-----------------------|-----------------------|-----------------------|------------------|
| Age (year) | 55.03±14.79 | 52.48±16.11 | 58.86±11.83 | 0.077 |
| Male/Female (n) | 34/36 | 22/20 | 12/16 | 0.435 |
| BMI (kg/m ²) | 23.08±3.33 | 23.51±3.29 | 22.43±3.33 | 0.183 |
| ECoG performance status | | | | 0.465 |
| 0 (%) | 37 (52.86) | 22 (52.38) | 15 (53.57) | |
| 1 (%) | 24 (34.29%) | 13 (30.95) | 11 (39.28) | |
| 2 (%) | 9 (12.85) | 7 (16.67) | 2 (7.14) | |
| Hypertension (%) | 9 (12.86) | 5 (11.90) | 4 (14.28) | 1.000 |
| Antihypertensive treatment | 9 (12.86) | 5 (11.90) | 4 (14.28) | 1.000 |
| ACEI/ARB | 5 | 2 | 3 | |
| Beta-blockers | 4 | 3 | 1 | |
| Diabetes mellitus (%) | 5 (7.14) | 3 (7.14) | 2 (7.14) | 1.000 |
| Smoking (%) | 21 (30.00) | 10 (23.81) | 11 (39.28) | 0.166 |
| Drinking (%) | 18 (25.71) | 7 (16.67) | 11 (39.28) | 0.034 |
| Heart rate | 80.67±10.61 | 81.50±11.04 | 79.43±10.02 | 0.428 |
| LVEF (%) | 65.5 (63.0, 67.0) | 65.0 (63.0, 67.0) | 66.0 (63.2, 67.8) | 0.522 |
| FS (%) | 35.67±2.10 | 35.60±2.14 | 35.79±2.08 | 0.713 |
| GLS (-%) | 20.0 (19.0, 22.0) | 21.0 (19.0, 22.0) | 20.0 (18.2, 21.0) | 0.167 |
| LVDd (mm) | 46.30±3.50 | 46.93±3.44 | 45.36±3.43 | 0.065 |
| LVMi (g/m ²) | 94.72±17.55 | 96.79±18.54 | 91.62±15.76 | 0.230 |
| E (cm/s) | 69.12±13.12 | 69.71±12.79 | 68.23±13.80 | 0.647 |
| e' (cm/s) | 7.60±2.15 | 7.60±2.07 | 7.59±2.30 | 0.987 |
| E/e' | 9.61±2.41 | 9.66±2.30 | 9.53±2.59 | 0.832 |
| NT-proBNP (ng/L) | 62.50 (31.25, 132.25) | 51.00 (29.00, 128.75) | 79.00 (41.75, 168.50) | 0.171 |
| cTnT (ng/mL) | 0.004 (0.000, 0.006) | 0.004 (0.002, 0.007) | 0.004 (0.000, 0.005) | 0.509 |
| HsCRP | 2.61 (1.00, 15.64) | 4.04 (1.17, 20.00) | 1.95 (0.76, 14.51) | 0.161 |
| TC (mmol/L) | 4.09±0.93 | 3.86±0.97 | 4.44±0.76 | 0.011 |
| TG (mmol/L) | 1.40 (0.97, 1.68) | 1.51 (1.19, 1.93) | 1.10 (0.82, 1.50) | 0.002 |
| LDL (mmol/L) | 2.55±0.77 | 2.42±0.80 | 2.75±0.69 | 0.084 |
| HDL-C (mmol/L) | 1.08±0.38 | 0.84±0.21 | 1.44±0.28 | <0.001 |

Values are expressed as mean±standard deviation, n (%), or median (Q1-Q3). Bold values indicate statistical significance.

* Low HDL-C: HDL-C<1.16mmol/L; High HDL-C: HDL-C≥1.16mmol/L. BMI: body mass index; cTnT: cardiac troponin T; ECoG: Eastern Cooperative Oncology Group; FS: fractional shortening; GLS: global longitudinal peak systolic strain; HDL-C: high-density lipoprotein cholesterol; HsCRP: high sensitivity C-reactive protein; LVEF: left ventricular ejection fraction; LVDd: left ventricular diastolic dimension; LVMi: left ventricular mass index; LDL-C: low-density lipoprotein cholesterol; NT-proBNP: N terminal-pro brain natriuretic peptide; TC: total cholesterol; TG: total triglyceride.