Suppl. table 1. Clinical characteristics in patients with low and high Ed/Ea before discharge and 1 year after discharge: cutoff point of Ed/Ea for all-cause mortality

|                          | Ed/Ea: Before discharge | p-value (low vs. high) | Ed/Ea: 1 Year after | p-value (low vs. high) |
|--------------------------|-------------------------|------------------------|---------------------|------------------------|
|                          | low (≤ 0.132)           | high (>0.132)          |                     |                        |
|                          | n = 398                 | n = 261                |                     |                        |
| All-cause mortality, n  | 26 (7)                  | 45 (17)                | <0.001              | 10 (4)                 | 14 (12)                | 0.007                  |
| (%)                     |                         |                        |                     |                        |
| Age, years              | 80 ± 9                  | 83 ± 9                 | 0.001               | 80 ± 9                 | 83 ± 7                 | 0.001                  |
| Male sex, n (%)         | 204 (51)                | 92 (35)                | <0.001              | 110 (48)               | 47 (41)                | 0.126                  |
| Systolic blood pressure, mmHg | 122 ± 19              | 120 ± 19               | 0.238               | 132 ± 21               | 128 ± 22               | 0.082                  |
| Diastolic blood pressure, mmHg | 66 ± 12               | 64 ± 11                | 0.017               | 70 ± 13                | 65 ± 11                | 0.003                  |
| Heart rate, bpm         | 70 ± 15                 | 70 ± 15                | 0.731               | 70 ± 15                | 68 ± 13                | 0.157                  |
| Atrial fibrillation, n | 178 (45)                | 112 (43)               | 0.646               | 106 (46)               | 46 (40)                | 0.160                  |
| (%)                     |                         |                        |                     |                        |
| Coronary artery disease, n (%) | 64 (16)              | 58 (22)                | 0.029               | 32 (14)                | 31 (27)                | 0.002                  |
| Diabetes mellitus, n (%) | 134 (34)               | 99 (38)                | 0.150               | 81 (35)                | 45 (39)                | 0.286                  |
| Dyslipidemia, n (%)     | 155 (39)                | 115 (44)               | 0.110               | 97 (42)                | 59 (51)                | 0.072                  |
### Hypertension, n (%)

|          | 330 (83) | 235 (90) | 0.007 | 199 (87) | 101 (88) | 0.471 |

### Laboratory data

| Parameter          | Mean ± SD | Mean ± SD | p-value | Mean ± SD | Mean ± SD | p-value |
|--------------------|-----------|-----------|---------|-----------|-----------|---------|
| Albumin, g/dL      | 3.4 ± 0.5 | 3.4 ± 0.5 | 0.934   | 3.9 ± 0.4 | 3.8 ± 0.5 | 0.022   |
| eGFR, mL/min/1.73 m² | 45 ± 19   | 41 ± 19   | 0.009   | 44 ± 19   | 35 ± 18   | <0.001  |
| Hemoglobin, g/dL   | 11.5 ± 2.0 | 11.2 ± 2.0 | 0.057 | 12.0 ± 1.7 | 11.5 ± 1.9 | 0.007 |
| NT-proBNP, pg/mL   | 1957 ± 3634 | 3483 ± 8136 | 0.001 | 1755 ± 2921 | 4608 ± 8051 | <0.001 |

### Echocardiographic data

| Parameter          | Mean ± SD | Mean ± SD | p-value | Mean ± SD | Mean ± SD | p-value |
|--------------------|-----------|-----------|---------|-----------|-----------|---------|
| LAD, mm            | 43 ± 9    | 45 ± 8    | 0.004   | 44 ± 9    | 46 ± 7    | 0.033   |
| LAVI, mL/m²        | 52 ± 25   | 56 ± 24   | 0.045   | 53 ± 27   | 55 ± 20   | 0.598   |
| SV/LAV             | 0.74 ± 0.36 | 0.66 ± 0.33 | 0.015 | 0.72 ± 0.33 | 0.63 ± 0.31 | 0.038   |
| SV, mL             | 50 ± 19   | 50 ± 21   | 0.999   | 50 ± 18   | 47 ± 18   | 0.275   |
| LVESV, mL          | 34 ± 18   | 32 ± 17   | 0.091   | 33 ± 17   | 29 ± 12   | 0.011   |
| LVEDV, mL          | 83 ± 34   | 81 ± 35   | 0.385   | 83 ± 30   | 76 ± 28   | 0.043   |
| LVEF, %            | 60 ± 8    | 61 ± 8    | 0.105   | 62 ± 8    | 62 ± 9    | 0.906   |
| LVMI, g/m²         | 104 ± 32  | 110 ± 36  | 0.017   | 99 ± 31   | 107 ± 31  | 0.013   |
| E, m/sec           | 0.72 ± 0.22 | 1.02 ± 0.31 | <0.001 | 0.75 ± 0.24 | 1.01 ± 0.31 | <0.001 |
| mean e', cm/sec    | 7.1 ± 2.1 | 5.5 ± 1.7 | <0.001 | 6.8 ± 2.2 | 6.0 ± 1.9 | <0.001 |
| DcT, sec           | 0.21 ± 0.06 | 0.23 ± 0.08 | 0.002 | 0.21 ± 0.06 | 0.22 ± 0.09 | 0.378 |

### Medications

| Parameter          | %  | %  | p-value | %  | %  | p-value |
|--------------------|----|----|---------|----|----|---------|
| Beta-blockers, %   | 52 | 58 | 0.131   | 50 | 59 | 0.104   |
Calcium-channel blockers, % 50 54 0.296 47 54 0.218
Diuretics, % 81 86 0.138 77 85 0.083
RAAS-I, % 73 75 0.413 71 67 0.391
Statins, % 31 35 0.258 34 39 0.318

All-cause mortality was evaluated for 2 years per year.
Values are mean ± standard deviation or number (%).
DcT, deceleration time of E wave;
Ed, diastolic elastance; Ea, arterial elastance; eGFR, estimated glomerular filtration rate;
NT-proBNP, N-terminal pro-brain natriuretic peptide; LAD, left atrial diameter;
LAVI, left atrial volume index; SV, stroke volume; LAV, left atrial volume;
LVEF, left ventricular ejection fraction; LVESV, left ventricular end-systolic volume;
LVEDV, left ventricular end-diastolic volume; LVMI, left ventricular mass index;
RAAS-I, renin-angiotensin-aldosterone system inhibitors