

**Supplementary Table 1. Baseline characteristics according to the diagnosis of AHF among non-dyspnea, AHF, and non-AHF group**

Characteristic	Non-dyspnea (n = 50)	AHF (n = 50)	Non-AHF (n = 50)
<b>Demographic data</b>			
Age, yr	67.0 ± 11.6	70.2 ± 11.3	66.1 ± 11.6
≥ 65 yr, %	62.0	66.0	58.0
Men, %	58.0	50.0	52.0
Body mass index, kg/m <sup>2</sup>	23.8 ± 3.2	24.2 ± 4.1	24.6 ± 3.4
<b>Past medical history, %</b>			
Diabetes mellitus	20.0	34.0	14.0
Hypertension	56.0	50.0	54.0
Chronic kidney disease and end stage renal disease	2.0	24.0 <sup>a</sup>	12.0
Liver cirrhosis	2.0	0	4.0
Atrial fibrillation	2.0	24.0 <sup>a</sup>	4.0
<b>Laboratory findings</b>			
Leukocyte, /μL	7,763.4 ± 2,382.0	7,701.8 ± 3,412.3	7,680.5 ± 4,401.4
Hemoglobin, mg/dL	13.0 ± 2.6	11.8 ± 2.4 <sup>a</sup>	12.3 ± 2.6
Platelet, × 10 <sup>3</sup> /μL	223.5 ± 99.3	176.3 ± 97.8 <sup>a</sup>	195.2 ± 81.6
Blood urea nitrogen, mg/dL	16.2 ± 7.5	23.7 ± 22.4 <sup>a</sup>	18.7 ± 13.8
Creatinine, mg/dL	1.0 ± 0.7	1.8 ± 2.1 <sup>a</sup>	1.3 ± 1.8
Glomerular filtration rate, mL/min/1.73 m <sup>2</sup>	82.4 ± 30.4	56.0 ± 29.1 <sup>b</sup>	71.7 ± 26.8
Sodium, mEq/L	140.3 ± 2.8	138.2 ± 5.0 <sup>a</sup>	140.5 ± 2.4
Protein, g/dL	7.14 ± 0.67	6.52 ± 0.73 <sup>b</sup>	6.95 ± 0.59
Albumin, g/dL	3.94 ± 0.69	3.64 ± 0.48 <sup>a</sup>	3.93 ± 0.52
B-natriuretic peptide, pg/mL	NA	1,108.0 (288.0–2,372.5)	34.5 (17.5–90.3)
<b>Vital sign</b>			
Systolic blood pressure, mmHg	146.4 ± 28.6	142.4 ± 28.5	139.6 ± 33.7
Diastolic blood pressure, mmHg	83.8 ± 16.5	81.6 ± 17.0	80.3 ± 19.2
Heart rate, /min	80.0 ± 13.7	93.7 ± 22.5 <sup>b</sup>	83.3 ± 21.4
Respiratory rate, /min	18.9 ± 2.9	20.6 ± 3.2 <sup>a</sup>	19.4 ± 2.5
<b>Echocardiographic data</b>			
E, m/sec	0.7 ± 0.2	1.0 ± 0.3 <sup>b</sup>	0.7 ± 0.2
EDT, msec	202.4 ± 52.4	159.6 ± 46.7 <sup>b</sup>	199.2 ± 57.7
e', cm/sec	6.9 ± 2.2	6.1 ± 2.5	7.1 ± 2.4
E/e'	9.8 ± 3.3	19.4 ± 8.4 <sup>b</sup>	9.7 ± 2.7
Left atrium diameter, mm	40.8 ± 10.5	51.3 ± 15.0 <sup>b</sup>	41.1 ± 6.6
LV ejection fraction, %	59.9 ± 5.5	47.5 ± 14.4 <sup>b</sup>	58.8 ± 5.5
LV internal diameter in diastole, mm	47.2 ± 3.7	53.5 ± 9.8 <sup>b</sup>	48.3 ± 4.4
LV internal diameter in systole, mm	30.2 ± 3.8	37.6 ± 10.6 <sup>b</sup>	31.1 ± 4.1
LV interventricular septum thickness, mm	9.3 ± 1.6	9.3 ± 2.1	8.9 ± 1.7
LV posterior wall thickness, mm	8.8 ± 1.3	9.8 ± 5.6	8.3 ± 1.4
LV mass index, g/m <sup>2</sup>	88.7 ± 17.6	112.9 ± 49.1 <sup>a</sup>	85.6 ± 19.8

Values are presented as mean ± standard deviation or median (interquartile range).

AHF, acute heart failure; NA, not applicable; E, peak velocity of transmitral early diastolic left ventricular filling; EDT, E-deceleration time; e', early diastolic annular velocity; LV, left ventricle.

<sup>a</sup>p < 0.05 compared with non-dyspnea group.

<sup>b</sup>p < 0.001 compared with non-dyspnea group.