

Supplementary Online Content

eTable 1. Number of missing values in in the entire cohort

eTable 2. Clinical factors associated with functional decline or in-hospital mortality in the univariate and multivariable analyses in a total of 4056 patients

eFigure 1. The details of functional decline during ADHF Hospitalization.

eFigure 2. Subgroup analysis for the association of functional decline with no functional decline on the primary outcome measure.

eTable 1. Number of missing values in the entire cohort

	Entire Cohort (N=3555)	
	Number	Rate (%)
Tests at admission		
BNP or NT-proBNP *	41	1.15
Serum creatinine	5	0.14
eGFR	5	0.14
Blood urea nitrogen	8	0.22
Albumin	100	2.81
Sodium	11	0.31
Potassium	11	0.31
Haemoglobin	6	0.17

* BNP values were reported for 3140 patients in the entire cohort; NT-proBNP values were reported for 633 patients in the entire cohort.

Abbreviation: BNP, brain-type natriuretic peptide; NT-proBNP, N-terminal-proBNP; eGFR, estimated glomerular filtration rate.

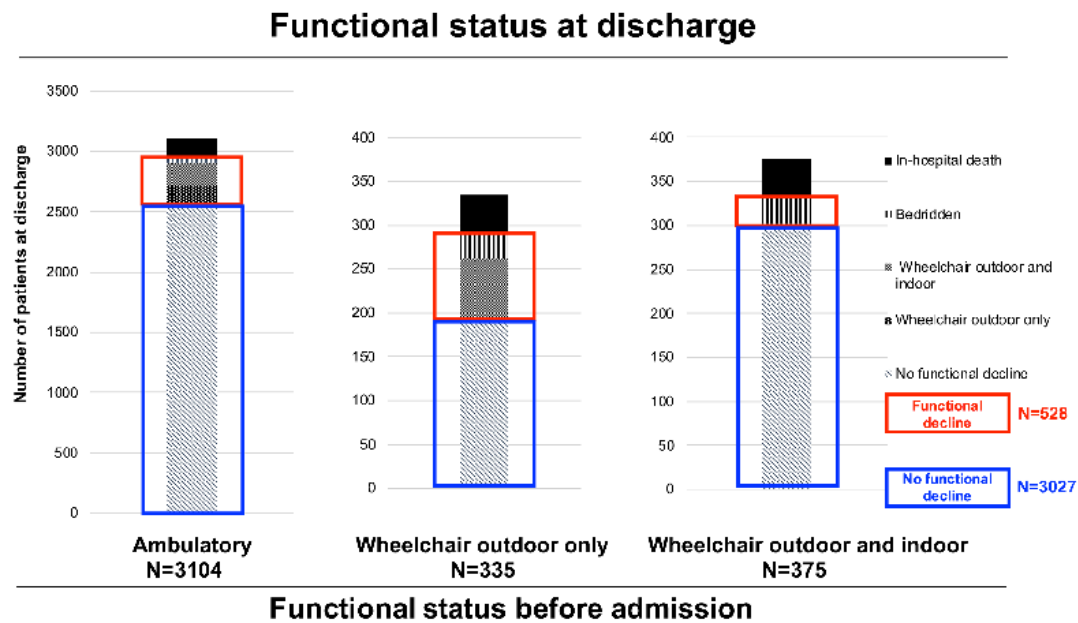
eTable 2. Clinical factors associated with functional decline or in-hospital mortality in the univariate and multivariable analyses in a total of 4056 patients

Variables	Unadjusted OR (95% CI)	P Value	Adjusted OR (95% CI)	P Value
Age ≥80 years	2.97 (2.50–3.52)	<0.001	2.32 (1.86–2.89)	<0.001
Women	1.45 (1.25–1.70)	<0.001	1.13 (0.93–1.38)	0.22
BMI ≤22	1.56 (1.32–1.83)	<0.001	1.21 (1.00–1.47)	0.053
Prior HF hospitalization	1.08 (0.92–1.27)	0.36	0.96 (0.79–1.18)	0.72
Acute coronary syndrome	1.56 (1.16–2.11)	0.003	1.76 (1.19–2.60)	0.005
Hypertension	1.00 (0.85–1.20)	0.95	0.96 (0.77–1.21)	0.75
Diabetes mellitus	0.86 (0.73–1.01)	0.06	0.88 (0.72–1.09)	0.25
Atrial fibrillation or flutter	0.97 (0.83–1.13)	0.67	0.99 (0.81–1.21)	0.90
Prior myocardial infarction	0.94 (0.78–1.13)	0.50	0.89 (0.71–1.13)	0.36
Prior stroke	1.73 (1.43–2.10)	<0.001	1.57 (1.24–1.99)	<0.001
Chronic lung disease	1.11 (0.89–1.39)	0.37	1.16 (0.88–1.52)	0.29
Dementia	2.91 (2.44–3.47)	<0.001	2.24 (1.78–2.82)	<0.001
Current smoking	0.37 (0.27–0.51)	<0.001	0.55 (0.38–0.81)	0.002
Living alone	1.05 (0.87–1.27)	0.62	1.14 (0.91–1.44)	0.26
Ambulatory before admission	0.64 (0.54–0.77)	<0.001	1.44 (1.13–1.84)	0.003
Systolic BP <90 mmHg	2.01 (1.37–2.96)	<0.001	1.17 (0.66–2.05)	0.59
Heart rate <60 beat/min	1.07 (0.79–0.79)	0.66	1.03 (0.71–1.49)	0.88
Body temperature ≥37.5 °C	2.26 (1.72–2.7)	<0.001	1.89 (1.35–2.63)	<0.001
NYHA class III or IV	2.17 (1.62–2.91)	<0.001	1.73 (1.24–2.41)	0.001
LVEF <40%	1.04 (0.89–1.22)	0.61	1.24 (1.00–1.52)	0.047
Anaemia*	1.67 (1.39–1.98)	<0.001	1.08 (0.86–1.36)	0.51
Albumin <3.0 g/dL	2.30 (1.89–2.81)	<0.001	1.91 (1.50–2.43)	<0.001
Sodium <135 mEq/L	1.89 (1.53–2.33)	<0.001	1.72 (1.34–2.22)	<0.001
eGFR <30 ml/min/1.73m ²	2.01 (1.70–2.36)	<0.001	1.78 (1.45–2.19)	<0.001

*Defined by the World Health Organization criteria (haemoglobin <12 g/dL for women and <13 g/dL for men).

Abbreviations: OR, odds ratio; CI, confidence interval; BMI, body mass index; HF, heart failure; BP, blood pressure; NYHA, New York Heart Association; LVEF, left ventricular ejection; eGFR, estimated glomerular filtration rate;.

eFigure 1. The details of functional decline during ADHF hospitalization. Functional status at discharge according to functional status before admission is shown. ADHF, acute decompensated heart failure.



eFigure 2. Subgroup analysis for the association of functional decline with no functional decline on the primary outcome measure. LVEF, left ventricular ejection fraction; HR, hazard ratio; CI, confidence interval.

