

Supplementary Material Table S1. Prevalence of renal dysfunction by the number of renal dysfunctions.

Profile of renal dysfunction (number of renal dysfunctions)	no renal dysfunction	mono-component renal dysfunction	bi-component renal dysfunction	tri-component renal dysfunction
Number of patients	86	106	41	10
Glomerular dysfunction <i>eGFR on admission < 60 ml/min/1.73m²</i>	0 (0%)	30 (28%)	28 (68%)	10 (100%)
Tubular dysfunction <i>spot urine sodium on day-1, ≤ 60 mmol/l</i>	0 (0%)	56 (53%)	27 (66%)	10 (100%)
Renal metabolic dysfunction <i>HCO₃- on admission <21 mmol/l</i>	0 (0%)	20 (19%)	27 (66%)	10 (10%)

eGFR—estimated glomerular filtration rate.

Supplementary Material Table S2. Clinical and laboratory determinants of creatinine serum level on admission.

	Multivariate regression model; b-coefficient	p-value
Creatinine >1.2 mg/dl		
R-value of the model= 0., p<0.0		
Age, years	0.382	<0.0001
Gender, male	0.225	0.007
Serum Na ⁺ , mmol/l	0.040	0.66
Systolic blood pressure, mmHg	0.036	0.69
Left ventricle ejection fraction, %	-0.014	0.88
NTproBNP, pg/ml	0.184	0.03
Bilirubin, mg/dl	0.023	0.79
Lactate, mmol/l	0.03	0.73
Aldosterone at day-1, ng/dl	0.268	0.003

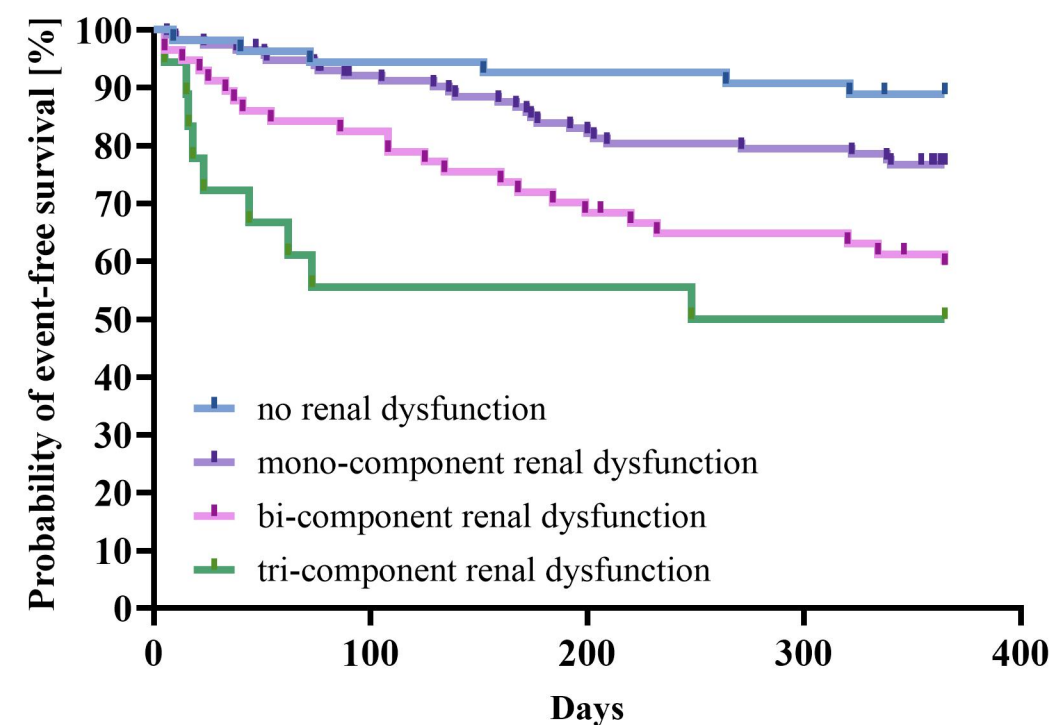
NT-proBNP - N-terminal pro-B-type natriuretic peptide;.

Supplementary Material Table S3. Associations between covariates used in the multivariable model and prespecified endpoints.

Variable	HR (95% CI)	p
1-year mortality risk		
Age, years, per 1 year	0.998 (0.979-1.017)	0.831
Sex, male	1.23 (0.69-2.19)	0.476
Systolic blood pressure, mmHg, per 1 mmHg	0.989 (0.980-0.999)	0.021
Left ventricle ejection fraction, %, per 1 %	0.989 (0.968-1.101)	0.331
Haemoglobin, g/dl, per 1g/dl	0.93 (0.82-1.06)	0.271
Troponin I, ng/ml, per 1 ng/ml	1.03 (0.98-1.09)	0.334
Serum Na ⁺ , mmol/l, per 1mmol/l	0.912 (0.869-0.958)	0.002
NTproBNP, pg/ml, per 1 pq/ml	1.00004 (1.00002-1.00007)	0.0002
1-year mortality or heart failure rehospitalization (whichever occurred first)		
Age, years, per 1 year	0.999 (0.983-1.015)	0.904
Sex, male	1.09 (0.68-1.72)	0.726

Systolic blood pressure, mmHg, per 1 mmHg	0.987 (0.979-0.995)	0.001
Left ventricle ejection fraction, %, per 1 %	0.986 (0.969-1.004)	0.135
Haemoglobin, g/dl, per 1g/dl	0.93 (0.84-1.03)	0.183
Troponin I, ng/ml, per 1 ng/ml	1.01 (0.95-1.07)	0.745
Serum Na ⁺ , mmol/l, per 1mmol/l	0.918 (0.878-0.959)	0.0001
NTproBNP, pg/ml, per 1 pq/ml	1.00002 (1.000004-1.00005)	0.017

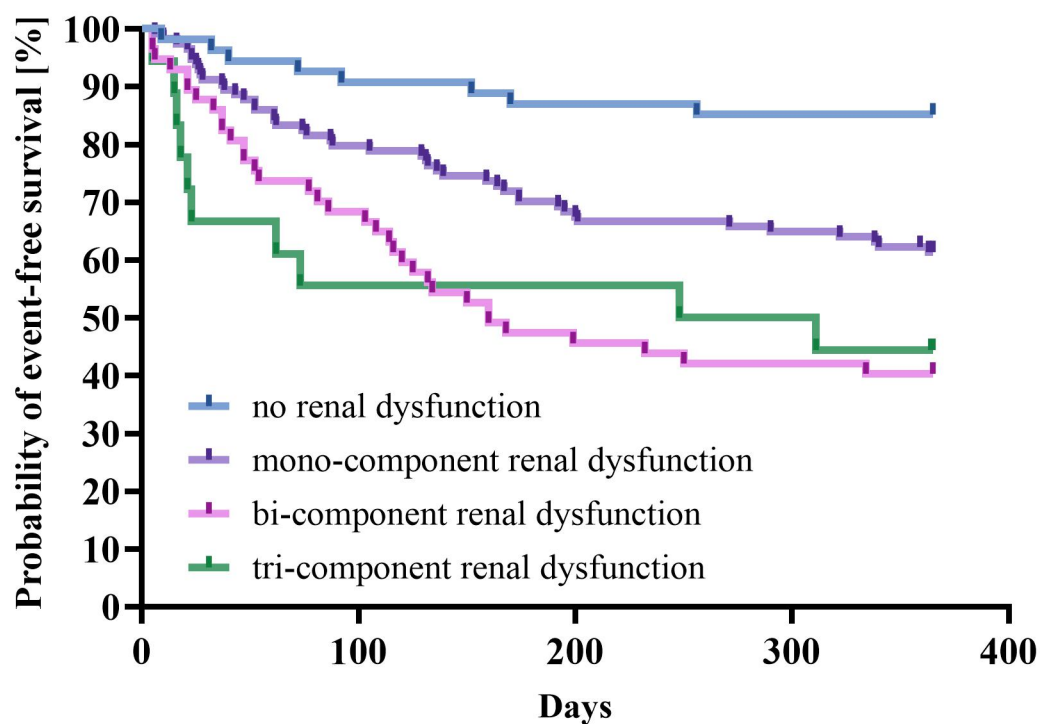
NTproBNP – N-terminal pro-B-type natriuretic peptide



	0	100	200	300	365
	54	52	51	50	47
	114	103	92	89	79
	57	48	40	37	33
	18	11	11	10	9

Numbers at risk

Supplementary material Figure S1. Kaplan-Meier curves for one year mortality by the renal dysfunction score. Log-rank, $p < 0.0001$. (Serum creatinine levels on admission > 1.2 mg/dL were used as a criterion, replacing the $eGFR < 60$ mL/min/1.73 m²)



	0	100	200	300	365
	54	50	48	47	46
	114	92	78	75	68
	57	40	27	25	23
	18	11	11	10	7

Numbers at risk

Supplementary material Figure S2. Kaplan-Meier curves for death or heart failure rehospitalization (whichever occurred first) by the renal dysfunction score. Log-rank, $p < 0.0001$. (Serum creatinine levels on admission > 1.2 mg/dL were used as a criterion, replacing the $\text{eGFR} < 60$ mL/min/1.73 m²)