

Table S1 Univariate and multivariate Cox analyses for S1P in two subgroups

	Crude HR(95%CI)	P-value	Adjusted HR (95%CI) ^a	P-value
Patients with S1P<1.06μmol/L	0.059(0.004-0.788)	0.032	0.041(0.002-0.808)	0.036
Patients with S1P≥1.06μmol/L	2.441(1.060-5.622)	0.036	2.368(1.006-5.572)	0.048

S1P was analyzed as a continuous variable. ^aS1P was adjusted by MAGGIC score and lgNT-proBNP. Abbreviations: HR, Hazard ratio, S1P, sphingosine-1-phosphate.

Table S2 Net reclassification of death and not death with adding S1P to Risk Factors

Model	Reclassified Up (%)	Reclassified (%)	Down	NRI
S1P(cut offs:0.68-1.62μmol/L)+MAGGIC score + lgNTproBNP				
Death	32.65	67.35		-34.7
Not death	19.59	80.41		60.82
Total				26.12(10.64-42.60)
S1P(cut offs:0.91-1.49μmol/L)+MAGGIC score + lgNTproBNP				
Death	57.1	42.9		14.2
Not death	37.2	62.8		25.6
Total				39.8(23.5-56.3)

Net reclassification index (NRI) (95% CI) calculated for the addition of S1P to model: MAGGIC score + lgNTproBNP. Reclassification separated by death or not during follow-up.

Figure S1

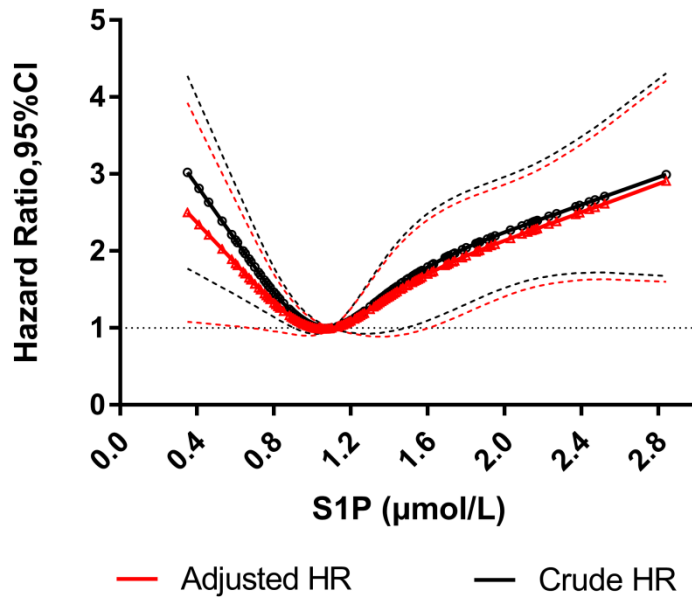


Figure legend

Figure S1 Association between S1P levels and the hazard ratio for all-cause death. The solid curve gives expected of HR based on restricted cubic spline analysis. The dashed curves represent the 95% confidence intervals for expected of HR. The circles and triangles give HR values which were used to fit the restricted cubic spline. Model adjusted on MAGGIC score and IgNT-proBNP.