Supplementary Table 5. Multivariate logistic regression analyses for all-cause mortality

	Model 1[a]		Model 2[b]	
	OR (95% CI)	**p Value**	**OR (95% CI)**	**p Value**
Age	1.15 (0.67, 1.97)	0.615	1.15 (0.67, 1.97)	0.621
Female sex	0.93 (0.68, 1.29)	0.677	0.94 (0.68, 1.29)	0.687
Body mass index (kg/m^2)[c]				
Underweight	1.96 (1.04, 3.69)	0.037	2.00 (1.06, 3.76)	0.033
Normal	Reference		Reference	
Overweight/Obese	0.95 (0.70, 1.30)	0.763	0.95 (0.70, 1.30)	0.746
Charlson Comorbidity Index	1.25 (1.14, 1.38)	< 0.001	1.25 (1.14, 1.38)	< 0.001
Redo surgery	2.56 (1.75, 3.75)	< 0.001	2.54 (1.73, 3.71)	< 0.001
Pulmonary hypertension	1.18 (0.86, 1.64)	0.307	1.17 (0.85, 1.62)	0.334
Hematocrit (%)	0.77 (0.54, 1.07)	0.122	0.76 (0.54, 1.06)	0.106
Hypertension	1.18 (0.87, 1.60)	0.294	1.18 (0.86, 1.60)	0.305
Mitral stenosis	0.79 (0.50, 1.27)	0.336	0.77 (0.48, 1.24)	0.287
Mitral regurgitation	1.08 (0.74, 1.56)	0.698	1.10 (0.76, 1.60)	0.611
Aortic stenosis	1.25 (0.88, 1.76)	0.211	1.20 (0.85, 1.71)	0.299
Aortic regurgitation	0.85 (0.60, 1.21)	0.359	0.86 (0.60, 1.22)	0.400
Tricuspid regurgitation	2.25 (1.53, 3.31)	< 0.001	2.29 (1.56, 3.38)	< 0.001
Smoking	0.93 (0.54, 1.59)	0.782	0.92 (0.54, 1.58)	0.767
Combined surgery	3.07 (2.08, 4.54)	< 0.001	3.06 (2.07, 4.52)	< 0.001
NYHA class ≥ 2	1.11 (0.79, 1.56)	0.558	1.09 (0.78, 1.54)	0.613
Atrial fibrillation	1.39 (0.97, 1.99)	0.070	1.35 (0.94, 1.94)	0.100
Ejection fraction (%)	0.99 (0.97, 1.00)	0.049	0.99 (0.98, 1.01)	0.543
Longitudinal strain (%)			0.97 (0.93, 1.01)	0.163

[a]Model 1 included age, sex, body mass index, Charlson Comorbidity Index, redo surgery, pulmonary hypertension, hematocrit, hypertension, mitral stenosis, mitral regurgitation, aortic stenosis, aortic regurgitation, tricuspid regurgitation, smoking, combined surgery, NYHA class, atrial fibrillation, and ejection fraction as variables.

[b]Model 2:included the variables in Model1 and longitudinal strain as variables.

[c]Stratified according to underweight (< 18.5 kg/m^2), normal (18.5, 25 kg/m^2), and overweight/obese (≥ 25 kg/m^2)

CI = confidence interval; NYHA class = New York Heart Association Functional Classification; OR = odds ratio.