



Prognostic Impact of the Clinical Frailty Scale After Balloon Aortic Valvuloplasty

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Supplementary Table 1. Logistic regression analysis for 1-year mortality excluding hemodialysis patients

	Univariable analysis			Multivariable analysis		
	Odds ratio	95% CI	P-value	Odds ratio	95% CI	P-value
Age	1.06	0.97-1.15	0.22			
Male	2.28	0.97–5.37	0.06	3.43	1.29-9.16	0.01
NYHA III/IV	3.80	1.53–9.42	0.004	2.78	1.04-7.40	0.04
STS score	1.09	1.03–1.16	0.006			
Clinical Frailty Scale	1.55	1.11–2.15	0.009	1.58	1.10–2.29	0.01
Smoking	2.96	1.00–8.71	0.05			
Albumin	0.34	0.14–0.82	0.02			
eGFR	1.00	0.98–1.02	0.81			
Brain natriuretic peptide	1.00	1.00–1.00	0.02			
LVEF	0.97	0.95–1.01	0.16			

NYHA, New York Heart Association; STS, Society of Thoracic Surgeons; eGFR, estimated Glomerular Filtration Rate; LVEF, Left Ventricular Ejection Fraction,

Supplementary Table 2. Serial echocardiographic parameters 1-, 3-, 6-, 12-month after BAV (n=63)

	Pre BAV	1 month after BAV	3 months after BAV	6 months after BAV	12 months after BAV
Aortic valve peak velocity, m/sec	3.98 ± 0.85	3.41 ± 0.77	3.57 ± 0.79	3.73 ± 0.78	3.86 ± 0.82
Aortic valve peak gradient, mmHg	66.1 ± 27.1	48.9 ± 21.6	53.4 ± 23.2	58.1 ± 24.3	62.1 ± 26.3
Aortic valve mean gradient, mmHg	37.9 ± 15.9	27.7 ± 13.1	31.0 ± 14.1	33.1 ± 14.8	35.8 ± 16.0
Aortic valve area, cm ²	0.66 ± 0.15	0.85 ± 0.17	0.81 ± 0.18	0.78 ± 0.17	0.72 ± 0.15
Left ventricular outflow tract velocity time integral, cm ²	19.1 ± 6.3	19.8 ± 5.7	21.0 ± 5.8	21.2 ± 6.2	21.0 ± 5.5
Stroke volume, mL	59.0 ± 17.7	62.6 ± 16.4	65.7 ± 15.6	66.3 ± 16.5	63.9 ± 15.8
Mitral regurgitation ≥ grade 2, n (%)	26 (41.3%)	19 (30.2%)	14 (22.2%)	16 (25.4%)	22 (34.9%)
Aortic regurgitation ≥ grade 2, n (%)	6 (9.5%)	9 (14.3%)	7 (11.1%)	8 (12.7%)	10 (15.9%)

BAV; balloon aortic valvuloplasty