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Table S1. Procedural and long-term outcomes according to type of mitral intervention

Variable	Valve-in-valve (n = 16)	Valve-in-ring (n = 15)	ViMAC (n = 2)
Baseline characteristics			
Age, years	73.1±10.8	70.5±13.4	71.0±16.9
STS score, %	7.1±5.4	8.2±6.8	11.5±8.2
LVEF, %	55.3±10.7	53.8±12.5	51.5±14.8
Baseline mean mitral gradient, mmHg	13.0±4.0	11.4±4.2	10.5±3.5
≥ Moderate mitral regurgitation, n (%)	4 (25.0)	6 (40.0)	1 (50.0)
Procedural outcomes			
Technical success, n (%)	16 (100)	15 (100)	1 (50.0)
More than one prosthesis implanted, n (%)	1 (6.3)	1 (6.7)	0 (0)
Post-procedural mean gradient, mmHg	3.4±1.7	3.8±2.3	5.3±3.2
Procedural death, n (%)	0 (0)	0 (0)	1 (50.0)
30-day outcomes			
Death, n (%)	0 (0)	0 (0)	1 (50.0)
Stroke, n (%)	0 (0)	0 (0)	0 (0)
≥ Moderate bioprosthetic regurgitation, n (%)	1 (6.3)	1 (6.7)	0 (0)

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Variable	Valve-in-valve (n = 16)	Valve-in-ring (n = 15)	ViMAC (n = 2)
Mean mitral gradient, mmHg	5.8±2.7	6.8±3.5	7.5±3.5
4-year outcomes			
Death, n (%)	2 (12.5)	2 (13.3)	0 (0)
Cardiovascular death, n (%)	0 (0)	1 (6.7)	0 (0)
Stroke, n (%)	0 (0)	0 (0)	0 (0)
Reintervention, n (%)	0 (0)	0 (0)	0 (0)
Mean mitral gradient, mmHg*	6.7±2.9	7.2±3.5	9.0
LVEF, %*	52.0±8.2	50.0±9.5	51.0
≥ Moderate bioprosthetic regurgitation, n (%)*	0 (0)	0 (0)	0 (0)
Structural valve deterioration, n (%)*	0 (0)	0 (0)	0 (0)
Bioprosthetic valve failure, n (%)	0 (0)	0 (0)	0 (0)

Values are mean±SD or n (%), as appropriate. No formal comparisons between groups were performed because of the limited sample size, particularly in the ViMAC subgroup. Four-year echocardiographic outcomes are reported among patients alive and with available echocardiographic follow-up.

*Denominator correspond to patients alive and with available echocardiographic assessment at 4 years.

LVEF, left ventricular ejection fraction; STS, Society of Thoracic Surgeons; ViMAC, valve-in-mitral annular calcification; ViR, valve-in-ring; ViV, valve-in-valve.