

Supplementary Table 2. Baseline Hemodynamic and Echocardiographic Characteristics According to Onset Timing of AF

Variables	Pre-existing AF (n=108)	New-onset AF (n=27)	p value
Pre-TAVI			
Systolic blood pressure, mm Hg	126.1±22.0	128.7±22.1	0.582
Diastolic blood pressure, mm Hg	69.0±13.5	67.8±12.6	0.692
Heart rate, /min	74.6±16.2	74.9±15.3	0.920
LVEDP, mm Hg	22.7±9.2	22.1±9.0	0.569
AV Vmax, m/s	4.5±0.8	4.6±0.8	0.349
AV mean pressure gradient, mm Hg	50.0±18.5	51.6±17.5	0.695
AV area, cm ²	0.7±0.2	0.7±0.2	0.957
AV area index, cm ² /m ²	0.5±0.3	0.5±0.2	0.832
LVEF, %	53.5±12.0	57.3±12.2	0.148
E/e'	21.8±9.4	19.5±7.8	0.357
RVSP, mm Hg	44.7±14.3	36.0±8.4	0.002
LAVI, mL/m ²	75.4±43.6	43.7±16.7	<0.001
Moderate to severe mitral regurgitation	26 (24.1)	5 (18.5)	0.720
Moderate or severer aortic regurgitation	23 (21.3)	5 (18.5)	0.958
Post-TAVI			
Systolic blood pressure, mm Hg	126.4±21.3	130.0±18.2	0.420
Diastolic blood pressure, mm Hg	64.8±13.3	63.8±14.2	0.740
Heart rate, /min	79.3±14.9	83.5±19.1	0.217
LVEDP, mm Hg	23.7±7.0	23.5±7.5	0.669
AV Vmax, m/s	2.3±0.5	2.4±0.5	0.399
AV mean pressure gradient, mm Hg	10.9±4.9	12.3±4.9	0.220
AV EOA, cm ²	1.7±0.4	1.8±0.6	0.591
AV EOAI, cm ² /m ²	1.1±0.3	1.2±0.4	0.181
LVEF, %	56.9±9.9	57.3±11.6	0.851
E/e'	21.2±9.7	21.4±9.8	0.911
RVSP, mm Hg	39.4±13.8	36.5±9.4	0.447
LAVI, mL/m ²	81.7±59.3	46.9±18.5	<0.001
Moderate or severe paravalvular leakage	6 (5.6)	3 (11.1)	0.546
Moderate or severe mitral regurgitation	13 (12.0)	3 (11.1)	>0.999
1-month follow-up			
Systolic blood pressure, mm Hg	129.3±20.9	129.2±19.6	0.996
Diastolic blood pressure, mm Hg	69.0±13.4	66.0±9.8	0.335
Heart rate, /min	76.9±15.8	71.9±13.4	0.214
AV Vmax, m/s	2.3±0.4	2.3±0.4	0.827
AV mean pressure gradient, mm Hg	10.7±4.1	11.4±4.6	0.532
AV EOA, cm ²	1.6±0.4	1.6±0.3	0.967
AV EOAI, cm ² /m ²	1.0±0.3	1.1±0.2	0.548
LVEF, %	58.9±9.0	65.0±6.3	0.012
E/e'	21.6±9.9	16.5±3.4	0.004
RVSP, mm Hg	37.8±14.5	30.6±4.2	0.005
LAVI, mL/m ²	83.2±64.7	36.0±17.2	<0.001
Moderate to severe mitral regurgitation	3 (4.9)	1 (6.3)	0.619
Moderate or severe paravalvular leakage	4 (6.6)	0 (0)	0.025

AF, atrial fibrillation; AV, aortic valve; EOA, effective orifice area; EOAI, effective orifice area index; LAVI, left atrium volume index; LVEDP, left ventricular end-diastolic pressure; LVEF, left ventricular ejection fraction; RVSP, right ventricular systolic pressure; TAVI, transcatheter aortic valve implantation.

Data are presented as mean±standard deviation or n (%).