

Supplemental Material

Table S1. Baseline echocardiographic characteristics of TAVR patients.

	Overall	SR/SR	SR/AF	AF/AF	P-value, All groups	P-value, SR/AF vs. AF/AF	P-value, SR/AF vs. SR/SR	P-value, SR/SR vs. AF/AF
LV EF (%)	57.1 (12.2)	57.7 (11.9)	54.8 (13.5)	54.5 (12.8)	<0.0001	0.89	0.07	<0.0001
LVEDd (cm)	4.74 (0.71)	4.73 (0.72)	4.91 (0.52)	4.78 (0.69)	0.11	0.19	0.06	0.26
LVESd (cm)	3.26 (0.85)	3.22 (0.85)	3.46 (0.76)	3.38 (0.85)	0.003	0.48	0.04	0.004
LA dimension (cm)	4.32 (0.70)	4.21 (0.65)	4.26 (0.59)	4.81 (0.69)	<0.0001	<0.0001	0.53	<0.0001
LA volume index (mL/m ²)	42.6 (14.7)	40.0 (12.7)	44.9 (15.2)	53.3 (17.9)	<0.0001	0.002	0.009	<0.0001
MR, mod-severe (%)	10.5%	8.9%	16.4%	17.3%	<0.0001	0.87	0.06	<0.0001
TR, mod-severe (%)	9.6%	5.0%	18.0%	29.0%	<0.0001	0.11	<0.001	<0.0001
RVSP (mmHg)	35.4 (12.8)	33.7 (12.2)	38.8 (14.4)	40.8 (12.9)	<0.0001	0.36	0.009	<0.0001
RV size, moderate- severely dilated (%)	3.5%	1.6%	11.8%	10.9%	<0.0001	0.89	<0.0001	<0.0001
RV dysfunction, moderate-severe (%)	4.5%	3.4%	8.8%	9.2%	0.008	0.94	0.10	0.004

All values presented as means with standard deviation (s.d.) in parentheses, or percentages. SR/SR = baseline sinus rhythm/discharge sinus rhythm, SR/AF = baseline SR/discharge AF, AF/AF = baseline AF/discharge AF, LV = left ventricular ejection fraction, LVEDd = left ventricular end-diastolic dimension, LVESd = left ventricular end-systolic dimension, LA = left atrial, MR = mitral regurgitation, TR = tricuspid regurgitation, RVSP = right ventricular systolic pressure, RV = right ventricular. N for LV EF = 1,820; LVEDd = 1,689; LVESd = 1,657; LA dimension = 1,705; LA volume index = 1,602; MR = 1,717; TR = 1,675; RVSP = 1,272; RV size = 781; RV function = 778.

Table S2. Baseline echocardiographic characteristics of SAVR patients.

	Overall	SR/SR	SR/AF	AF/AF	P-value, All groups	P-value, SR/AF vs. AF/AF	P-value, SR/AF vs. SR/SR	P-value, SR/SR vs. AF/AF
LV EF (%)	54.4 (11.6)	54.9 (11.6)	54.3 (13.0)	51.6 (10.0)	0.03	0.09	0.59	0.006
LVEDd (cm)	4.57 (0.71)	4.52 (0.71)	4.70 (0.68)	4.69 (0.68)	0.01	0.90	0.02	0.03
LVESd (cm)	3.21 (0.84)	3.17 (0.84)	3.26 (0.86)	3.37 (0.78)	0.07	0.32	0.33	0.03
LA dimension (cm)	4.17 (0.67)	4.04 (0.61)	4.25 (0.62)	4.73 (0.72)	<0.0001	<0.0001	0.001	<0.0001
LA volume index (mL/m ²)	40.7 (13.5)	38.1 (11.5)	42.1 (11.8)	52.3 (17.9)	<0.0001	<0.0001	0.003	<0.0001
MR, mod-severe (%)	17.9%	15.4%	22.8%	26.0%	0.02	0.59	0.07	0.01
TR, mod-severe (%)	15.2%	11.6%	18.2%	30.3%	<0.0001	0.05	0.07	<0.0001
RVSP (mmHg)	37.4 (12.8)	36.1 (12.4)	40.0 (13.3)	40.4 (13.2)	0.004	0.85	0.02	0.006
RV size, moderate- severely dilated (%)	4.3%	2.6%	1.9%	15.6%	<0.0001	0.0006	0.70	<0.0001
RV dysfunction, moderate-severe (%)	5.2%	3.6%	3.9%	14.7%	<0.0001	0.008	0.88	<0.0001

All values presented as means with standard deviation (s.d.) in parentheses, or percentages. Abbreviations as in Table S1. N for LV EF = 769; LVEDd = 704; LVESd = 699;

LA dimension = 732; LA volume index = 629; MR = 719; TR = 682; RVSP = 498; RV size = 699; RV function = 695.