

Supplementary Table 1. Clinical Characteristics and Echocardiographic and CMR Parameters in Total Asymptomatic Aortic Stenosis Group with Preserved EF and Its Subgroups according to Presence or Absence of CCE

Parameter	Total (n = 67)	CCE+ (n = 22)	CCE- (n = 45)	P
Clinical characteristics				
Number of men	29 (43)	9 (41)	20 (44)	0.788
Age (years)	68.4 ± 9.6	70.3 ± 7.5	67.5 ± 10.4	0.271
Body surface area (m ²)	1.67 ± 0.15	1.67 ± 0.12	1.67 ± 0.16	0.919
Systolic blood pressure	132 ± 16	139 ± 14	128 ± 16	0.100
Diastolic blood pressure	72 ± 11	74 ± 12	71 ± 10	0.355
Hypertension medication	44 (66)	15 (68)	29 (64)	0.766
Beta-blockers	23 (34)	6 (27)	17 (38)	0.403
Renin angiotensin system blockers	33 (49)	10 (45)	23 (51)	0.669
Calcium channel blockers	17 (25)	5 (23)	12 (27)	0.733
Diuretics	10 (15)	3 (14)	7 (16)	0.839
Diabetes mellitus	15 (22)	9 (41)	6 (13)	0.027*
Dyslipidemia	16 (24)	7 (32)	9 (20)	0.294
Current smoker	4 (6)	1 (5)	3 (7)	0.736
Atrial fibrillation	7 (10)	2 (9)	5 (11)	0.803
Serum creatinine level (mg/dL)	0.88 ± 0.21	0.89 ± 0.21	0.88 ± 0.22	0.842
Follow-up duration (months)	29.0 ± 14.2	32 ± 13	27 ± 15	0.149
Subjects with CCE	22 (33)	22 (100)	0 (0)	
Echocardiography				
LVEF (%)	63.6 ± 5.0	61.4 ± 6.5	60.2 ± 10.5	0.467
LV end-diastolic diameter (mm)	47.8 ± 4.7	48.8 ± 6.3	50.0 ± 6.2	0.308
LV end-systolic diameter (mm)	28.8 ± 3.6	30.3 ± 6.1	31.6 ± 7.7	0.144
LV mass index (mL/m ²)	118 ± 33	107.9 ± 36.9	138.7 ± 37.3	< 0.001*
Interventricular septal thickness (mm)	11.2 ± 2.3	10.2 ± 1.6	11.9 ± 1.2	< 0.001*
Posterior wall thickness (mm)	10.8 ± 2.0	10.2 ± 1.7	11.5 ± 1.9	< 0.001*
E velocity (m/sec)	0.69 ± 0.22	0.75 ± 0.31	0.70 ± 0.24	0.336
Deceleration time (msec)	241 ± 76	222 ± 86	250 ± 78	0.074
e' velocity (cm/sec)	4.64 ± 1.46	4.7 ± 1.4	4.1 ± 1.3	0.031*
Transaortic peak velocity (m/sec)	4.37 ± 0.93	3.7 ± 0.5	4.9 ± 0.7	< 0.001*
Transaortic mean pressure gradient (mm Hg)	45.5 ± 20.8	32.0 ± 9.5	57.7 ± 17.3	< 0.001*
Aortic valve area (cm ²)	0.86 ± 0.23	1.02 ± 0.21	0.69 ± 0.16	< 0.001*
Indexed aortic valve area (cm ² /m ²)	0.52 ± 0.15	0.61 ± 0.14	0.41 ± 0.09	< 0.001*
CMR				
LVEF (%)	69.0 ± 6.7	65.3 ± 10.3	60.3 ± 15.4	0.034*
LV end-diastolic volume index (mL/m ²)	87.4 ± 23.9	85.6 ± 27.1	104.8 ± 35.3	0.001*
LV end-systolic volume index (mL/m ²)	27.9 ± 11.4	32.0 ± 21.6	45.5 ± 32.3	0.007*
LV mass index (mL/m ²)	89.3 ± 32.6	76.2 ± 22.6	107.4 ± 37.2	< 0.001*
Heart rate (beats per minute)	64.9 ± 11.5	67.4 ± 11.4	66.6 ± 13.0	0.741
Noncontrast T1 (msec)	1218 ± 53	1217 ± 62	1240 ± 46	0.019*
Global peak strain parameters				
2D				
Longitudinal	-17.0 ± 3.42	-15.6 ± 3.01	-17.6 ± 3.62	0.017*
Radial	48.8 ± 9.33	45.2 ± 10.5	50.5 ± 8.74	0.047*
Circumferential	-21.1 ± 2.36	-20.1 ± 3.29	-21.6 ± 1.91	0.026*
3D				
Longitudinal	-17.4 ± 2.69	-16.7 ± 3.14	-17.8 ± 2.47	0.026*
Radial	51.2 ± 11.7	46.2 ± 13.1	53.6 ± 11.0	0.019*
Circumferential	-20.3 ± 2.42	-19.2 ± 2.75	-20.8 ± 2.26	0.169*

Continuous variables are presented as means ± standard deviations, and dichotomous variables are presented as numbers of patients, with percentages in parentheses. Each parameter was compared by using either Student's *t* test or χ^2 test, as appropriate. **p* < 0.05. CCE = clinical cardiac event, CCE+ = group of subjects with CCEs, CCE- = group of subjects without CCEs, CMR = cardiac magnetic resonance, LV = left ventricle, EF = ejection fraction, 2D = two-dimensional, 3D = three-dimensional