

Table 1 Patients' clinical characteristics, echocardiographic variables, and left atrial pressure, per study group

	LVZ Group (n=29)	No LVZ Group (n=73)	<i>P</i> value*
Clinical characteristics			
Age (years)	67±9	63±10	0.06
Male sex	17 (58%)	60 (82%)	0.01
BW (kg)	62±14	69±12	0.01
BMI (kg/m ²)	24±5	25±4	0.27
Paroxysmal AF	13 (45%)	38 (52%)	0.51
Hypertension	17 (59%)	41 (56%)	0.82
Diabetes mellitus	2 (7%)	7 (10%)	0.67
Heart failure	4 (14%)	8 (11%)	0.69
Prior stroke	4 (14%)	5 (7%)	0.26
CHADS ₂ score	1 (1–2)	1 (0–2)	0.27
Antiarrhythmic drug use	20 (69%)	37 (51%)	0.09
Class I	5 (17%)	13 (18%)	0.95
Class III	1 (3%)	1 (1%)	0.49
Class IV	16 (55%)	26 (36%)	0.07
β blocker	12 (41%)	37 (51%)	0.40
Serum creatinine (mg/dL)	0.88±0.20	0.86±0.17	0.56
NT-proBNP (pg/mL)	224 (119–1203)	218 (74–774)	0.24
Post-ablation recurrence	6 (21%)	14 (19%)	0.86
Echocardiographic variables			
LVEF (%)	65±10	66±10	0.67
LAD (mm)	42±7	41±8	0.77
LVDd (mm)	45±6	48±5	0.052
LVDs (mm)	29±7	30±6	0.57
E/e'	10.8±3.8	10.0±4.2	0.43
LA pressure	18 (62%)	40 (55%)	0.50
Maximum (mmHg)	18±4	15±5	0.03
Minimum (mmHg)	7±4	5±3	0.10
Average (mmHg)	11±4	9±3	0.06

Mean ± SD or median (interquartile range) values or number (%) of patients are shown.

*LVZ Group vs. No LVZ Group.

AF = atrial fibrillation; BMI = body mass index; BW, body weight; LA = left atrial; LAD = left atrial diameter; LVDd = left ventricular diastolic diameter; LVDs = left ventricular systolic diameter; LVEF = left ventricular ejection fraction; LVZ = low voltage zone.

Table 2 Electrophysiologic and computed tomography-based study data, per study group

	LVZ Group (n=29)	No LVZ Group (n=73)	<i>P</i> value*
Electrophysiologic features			
Number of voltage mapping points	1431±757	1197±553	0.10
LVZ size (mm ²) (at LA-ascending aorta contact areas)	2.3 (1.1–4.0)	0 (0–0)	<0.0001
CT-based measurements			
Aorta-LA angle (°)	21.0±7.0	24.9±7.1	0.02
Aorta-LV angle (°)	131.3±8.8	126.0±7.9	0.005
NCC diameter (mm)	20.4±2.2	19.3±2.5	0.04
LCC diameter (mm)	18.7±2.5	19.3±2.7	0.35
RCC diameter (mm)	18.6±2.5	19.3±2.7	0.26
NCC-LA distance (mm)	2.29±0.68	2.76±0.79	0.006
LCC-LA distance (mm)	2.75±0.89	2.87±0.97	0.60

Mean ± SD or median (interquartile range) values are shown.

*LVZ Group vs. No LVZ Group.

LA = left atrium; LCC = left coronary cusp; LVZ = low voltage zone; NCC = non coronary cusp; RCC = right coronary cusp.