

Table 3. Left Ventricular Remodeling in 3 subgroups: AF patients with recurrence, AF patients with no recurrence and Control. Echocardiography and Cardiac Magnetic Resonance Parameters.

	AF-recurrence N=14	AF-no recurrence N=36	Control N=20	P AF rec vs non-rec	P AF rec vs Control	P AF non-rec vs Control	P ANOVA
<u>Left Ventricle</u>							
Echocardiography							
E/e'	10.6±4.2	10.8±3.6	10.1±3.7	0.98	0.95	0.86	0.87
e' (cm/s)	8.2±1.9	8.6±2.9	8.4±2.2	0.86	0.99	0.95	0.89
E Max (cm/s)	83.7±24.3	85.4±22.0	64.7±16.9	0.97	0.10	0.025	0.029
A Max (cm/s)	36.5±17.3	53.9±15.1	71.4±18.1	0.031	<0.001	0.014	<0.001
Deceleration Time (s)	0.19±0.07	0.22±0.07	0.19±0.05	0.49	0.97	0.62	0.31
E/A	3.00±2.01	1.74±0.88	0.93±0.20	0.017	<0.001	0.102	
IVSd, cm	1.2±0.3	1.2±0.1	1.1±0.1	0.99	0.41	0.35	0.32
LVIDd, cm	4.8±0.8	5.0±0.5	4.6±0.4	0.70	0.62	0.15	0.17
LVPWd, cm	1.1±0.3	1.0±0.2	1.0±0.1	0.15	0.25	0.99	0.15
CMR							
EDV, ml/m2	73±10	73±14	78±13	0.99	0.55	0.38	0.38
ESV, ml/m2	30±7	30±8	29±7	0.99	0.98	0.90	0.91
SV, ml/m2	43±7	42±9	47±6	0.98	0.25	0.08	0.09
CI, l/min/m2	2.85±0.70	2.79±0.64	2.82±0.50	0.96	0.99	0.99	0.96
EF, %	59±7	59±6	62±5	0.93	0.51	0.18	0.21
LVM, g/m2	76±37	71±31	42±15	0.87	0.005	0.002	0.001
GLS, %	-20.3±5.6	-20.5±3.7	-25.9±3.2	0.99	<0.001	<0.001	<0.001
GCS, %	-30.3±8.7	-29.8±5.8	-34.7±5.8	0.98	0.14	0.026	0.029
T1 Native, ms	1040±55	985±43	972±29	0.007	<0.001	0.61	0.001
ECV, %	28.0±3.0	26.2±1.7		0.027			
T2, %	53.6±1.6	50.6±2.5	50.7±2.0	0.002	0.001	0.99	0.006
LGE positive, n(%)	6 (50%)	8 (25%)		0.11			

Abbreviations: E early diastolic mitral flow velocity, e' early diastolic tissue Doppler para-mitral segment velocity, A late ("atrial") diastolic mitral flow velocity, IVSd end-diastolic inter-ventricular septum thickness, LVIDd end-diastolic internal diameter, LVPWd end-diastolic posterior wall thickness, EDV end-diastolic volume, ESV end-systolic volume, SV stroke volume, CI cardiac index, EF ejection fraction, LVM left ventricular mass, GLS global longitudinal strain, GCS global circumferential strain, ECV extracellular volume, LGE late gadolinium enhancement.