

SUPPLEMENTAL MATERIAL

Table S1. Uni- and multivariate analyses of mean LA voltage.

	Univariate analysis		Multivariate analysis		
	P value	β	95% CI	t	P value
Age, years	<0.001	-0.284	-0.065, - 0.017	-3.42	<0.001
Female, n (%)	<0.001	0.382	0.387, 0.941	4.76	<0.001
BMI, kg/m ²	0.238				
Alcohol consumption >7 drinks/weeks, n (%)	0.554				
Alcohol consumption, n (%)	0.252				
AF type, n (%)	0.029	-0.208	-0.646, - 0.072	-2.48	0.015
Duration of AF history, years	0.848				
Hypertension, n (%)	0.499				
Heart failure, n (%)	0.041	0.044	-0.364, 0.568	0.43	0.665
Chronic kidney disease, n (%)	0.029	0.048	-0.461, 0.756	0.48	0.631
LV ejection fraction, %	0.859				
LA diameter, mm	0.005	-0.152	-0.096, 0.003	-1.85	0.068
Antiarrhythmic drugs, numbers	0.176				

P values were determined using multiple linear regression analysis. LA, left atrial; CI, confidence interval;

BMI, body mass index; AF, atrial fibrillation; LV, left ventricular

Table S2. Uni- and multivariate analyses of % LVZ.

	Univariate analysis	Multivariate analysis			
	P value	β	95% CI	t	P value
Age, years	0.069				
Female, n (%)	0.015	-0.228	-2.341, -0.282	-2.53	0.013
BMI, kg/m ²	0.521				
Alcohol consumption >7 drinks/week, n (%)	0.756				
Alcohol consumption, n (%)	0.601				
AF type, n (%)	0.552				
Duration of AF history, years	0.931				
Hypertension, n (%)	0.530				
Heart failure, n (%)	0.109				
Chronic kidney disease, n (%)	0.024	-0.173	-3.602, 0.071	-1.91	0.059
LV ejection fraction, %	0.101				
LA diameter, mm	0.011	0.218	0.038, 0.401	2.40	0.018
Antiarrhythmic drugs, numbers	0.870				

P values were determined using multiple linear regression analysis. LVZ, low voltage zone; CI, confidence interval; BMI, body mass index; AF, atrial fibrillation; LV, left ventricular; LA, left atrial

Table S3. Uni- and multivariate analyses of slow conduction length.

	Univariate	Multivariate analysis			
	analysis	β	95% CI	t	P value
	P value				
Age, years	0.032	0.189	0.008, 0.730	2.03	0.045
Female, n (%)	0.051				
BMI, kg/m ²	0.673				
Alcohol consumption >7 drinks/weeks, n (%)	0.444				
Alcohol consumption, n (%)	0.834				
AF type, n(%)	0.594				
Duration of AF history, years	0.200				
Hypertension, n (%)	0.947				
Heart failure, n (%)	0.039	-0.182	-11.565, 0.730	-1.95	0.054
Chronic kidney disease, n (%)	0.111				
LV ejection fraction, %	0.114				
LA diameter, mm	0.172				
Antiarrhythmic drugs, numbers	0.134				

P values were determined using multiple linear regression analysis. CI, confidence interval; BMI, body mass index; AF, atrial fibrillation; LV, left ventricular; LA, left atrial

Table S4. Relationship between AF recurrence after a single ablation and alcohol consumption after covariate adjustment.

	Multivariate analysis		
	HR	95% CI	P value
Alcohol consumption	3.55	1.12-11.26	0.031
Female, n (%)	1.51	0.59-3.86	0.391
Hypertension, n (%)	1.39	0.44-4.40	0.579

P values, hazard ratios and 95% confidence interval were determined by a multivariate Cox proportional analysis. AF, atrial fibrillation; HR, hazard ratio; CI, confidence interval