

Supplementary material

Marinković M, Mujović N, Vučićević V, et al. A square root pattern of changes in heart rate variability during the first year after circumferential pulmonary vein isolation for paroxysmal atrial fibrillation and their relation with long-term arrhythmia recurrence. *Kardiol Pol.* 2020; 78: 213-222. doi:10.33963/KP.15187

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Table S1. Factors associated with late arrhythmia recurrence after atrial fibrillation ablation.

Variables	Univariate analysis		Multivariate analysis	
	HR (95% CI)	P-value	HR (95% CI)	P-value
Cavo-tricuspid isthmus ablation	0.48 (0.24-0.98)	0.04	-	
Early recurrence of AF	4.72 (2.39-9.31)	<0.001	4.87 (2.44-9.69)	<0.001
SDNN _(pre-CA) , ms	0.99 (0.98-1.00)	0.01	-	
Δ SDNN _(post-CA [1d]) , ms	0.99 (0.98-1.00)	0.01	-	
Δ SDNN _(post-CA [1m]) , ms	0.99 (0.98-1.00)	0.05	-	
Δ SDNN _(post-CA [3 m]) , ms	0.99 (0.98-1.00)	0.01	0.99 (0.98-1.00)	0.01
Δ rMSSD _(post-CA [3 m]) , ms	0.99 (0.98-1.00)	0.05	-	
Δ SDDSD _(post-CA [1 d]) , ms	0.99 (0.98-1.00)	0.04	-	

HR, Hazard Ratio; CI, confidence interval; d, day; m, month; other abbreviations – tables 1, 2 and 3.

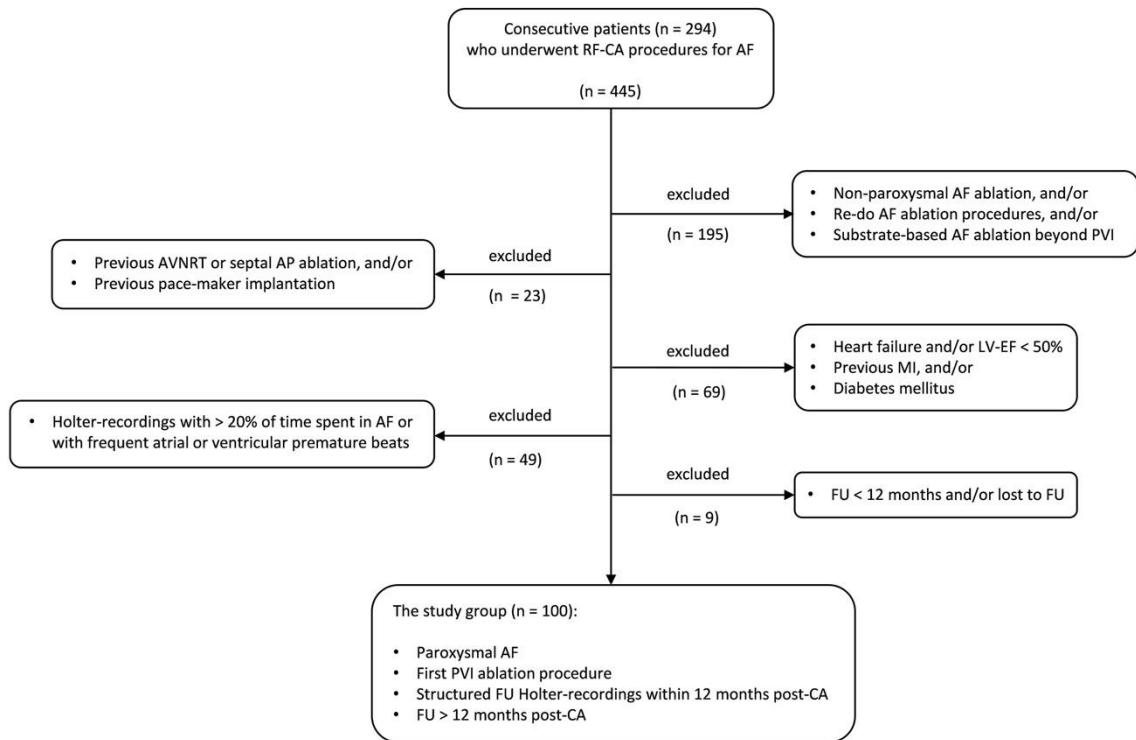


Figure S1. The study patient selection.

RF, radiofrequency; CA, catheter-ablation; AF, atrial fibrillation; PVI, pulmonary vein isolation; AVNRT, atrio-ventricular nodal re-entrant tachycardia; AP, accessory pathway; LV-EF, left ventricular ejection fraction; MI, myocardial infarction; FU, follow-up.

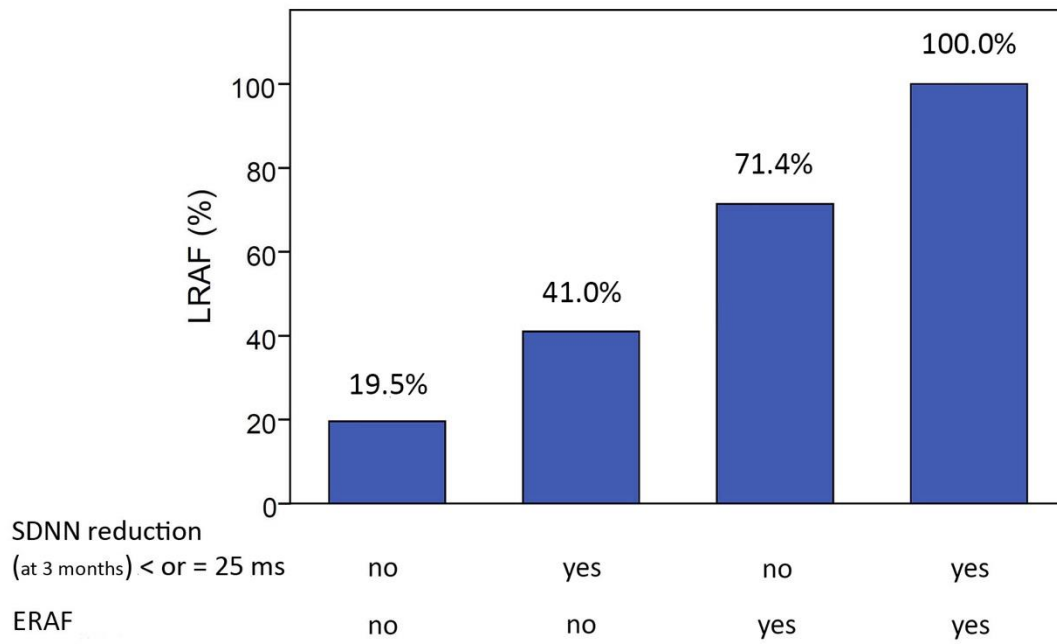


Figure S2. Bar chart illustrates an increasing prevalence of LRAF according to presence of the ERAF and the 3-month post-ablation SDNN reduction < 25 ms.

ERAF, early recurrence of atrial fibrillation. Other abbreviations – supplementary figure 1.