Supplementary material

Warmiński G, Urbanek P, Orczykowski M, et al. Association of left atrial enlargement and increased left ventricular wall thickness with arrhythmia recurrence after cryoballoon ablation. Kardiol Pol. 2022.

Please note that the journal is not responsible for the scientific accuracy or functionality of any supplementary material submitted by the authors. Any queries (except missing content) should be directed to the corresponding author of the article.

Table S1. Comparison of drugs used both in-hospital and at discharge among studied groups stratified according to ↑LVWT and LAE diagnosis

	↑LVWT(–) LAE(–) (n = 54, 21.6%)	**↑LVWT(+) LAE(–)** (n = 57, 22.8%)	**↑LVWT(–) LAE(+)** (n = 55, 22.0%)	**↑LVWT(+) LAE(+)** (n = 84, 33.6%)	***P*-value**
Antiarrhythmic drugs (class I/III) in hospital and at discharge, n (%)	41 (75.9)	37 (64.9)	42 (76.4)	65 (77.4)	0.36
Subsequent antiarrhythmic drug withdrawal, n (%)	18 (33.3)	18 (31.6)	20 (36.4)	18 (21.4)	0.22
Propafenone, n (%)	23 (42.6)	27 (47.4)	26 (47.3)	27 (32.1)	0.20
Amiodarone, n (%)	11 (20.4)	8 (14.0)	18 (32.7)	37 (44.0)[a]	0.001
Sotalol, n (%)	8 (14.8)	3 (5.3)	1 (1.8)[a]	3 (3.6)	0.02
β-blockers, n (%)	31 (57.4)	39 (68.4)	39 (70.9)	65 (77.4)[a]	0.1
Statins, n (%)	9 (16.7)	24 (42.1)[a]	17 (30.9)	32 (38.1)[a]	0.02
VKA, n (%)	8 (14.8)	6 (10.5)	20 (36.4)	23 (27.4)	0.004
NOAC, n (%)	46 (85.2)	51 (89.5)	34 (61.8)	60 (71.4)	0.002
Enoxaparin, n (%)	0 (0)	0 (0)	1 (1.8)	1 (1.2)	0.62

[a]*P* <0.05 for difference in comparison to reference group ↑LVWT(–)LAE(–)

Abbreviations: LAE, left atrial enlargement; ↑LVWT, increased left ventricular wall thickness; NOAC, non-vitamin K antagonists oral anticoagulants; VKA, vitamin K antagonists

Table S2. Comparison of the baseline anatomy assessed in echo or computed tomography

	↑LVWT(–) LAE(–) (n = 54, 21.6%)	**↑LVWT(+) LAE(–)** (n = 57, 22.8%)	**↑LVWT(–) LAE(+)** (n = 55, 22.0%)	**↑LVWT(+) LAE(+)** (n = 84, 33.6%)	***P*-value**
LVEF (%), median (IQR)	64.0 (59.3–64.0)	60.0 (60.0–65.0)	60.0 (55.0–65.0)[a]	60.0 (52.0–65.0)	0.12
Index LVEF <60%, n (%)	13 (24.1)	12 (21.1)	22 (40.0)	27 (32.1)	0.12

Indexed LA volume, cm^3/m^2, median (IQR)	50.9 (40.6–57.9)	49.5 (41.7–56.4)	72.8 (67.2–80.6)[a]	78.5 (66.3–97.2)[a]	<0.001
PV variants, n (%)	25 (51.0)	15 (32.6)*	21 (43.8)	25 (37.9)	0.29

[a]*P* <0.05 for difference in comparison to reference group: ↑LVWT(–)LAE(–)

Abbreviations: IQR, interquartile range; LA, left atrium; LVEF, left ventricular ejection fraction; PV, pulmonary vein; other — see *Table S1*

Table S3. Comparison of the procedural parameters among the studied groups

	↑LVWT(–) LAE(–) (n = 54, 21.6%)	**↑LVWT(+) LAE(–)** (n = 57, 22.8%)	**↑LVWT(–) LAE(+)** (n = 55, 22.0%)	**↑LVWT(+) LAE(+)** (n = 84, 33.6%)	***P*-value**
Balloon diameter 23 mm, n (%)	10 (18.5)	2 (3.5)[a]	1 (1.8)[a]	2 (2.4)[a]	<0.001
Balloon diameter 28 mm, n (%)	44 (81.5)	55 (96.5)[a]	54 (98.2)[a]	82 (97.6)[a]	<0.001
LA dwell time, min, median (IQR)	50.0 (40.0–65.0)	50.0 (35.0–70.0)	55.0 (40.0–75.0)	55.0 (45.0–65.0)	0.62
Number of freezing applications, median (IQR)	5.0 (4.0–6.0)	5.0 (4.0–5.0)	5.0 (4.0–6.0)	5.0 (4.0–6.0)	0.06
Total freeze time, s, median (IQR)	960 (647–1171)	854 (740–1080)	942 (844–1090)	960 (839–1138)	0.39
Fluoroscopy time, min, median (IQR)	17.4 (12.2–23.6)	16.9 (11.2–22.3)	17.5 (13.2–24.4)	22.2 (15.4–24.5)[a]	0.07
Radiation, cGy/cm^2, median (IQR)	2077 (1376–3170)	2188 (1498–3940)	2175 (1379–4424)	2440 (1651–4081)	0.56

[a]*P* <0.05 for difference in comparison to reference group ↑LVWT(–)LAE(–)

Abbreviations: see *Table S1* and *S2*