

Supplementary material

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Table S1. Characteristics of the study group depending on the gender

	Female n = 172	Male n = 128	P-value
Age, years, mean (SD)	76.4 (8.0)	71.3 (9.9)	<0.001
BMI (kg/m ²), mean (SD)	30.1 (5.9)	28.9 (4.7)	0.08
Comorbidities			
CAD, n (%)	28 (16.3)	48 (37.5)	<0.001
MI, n (%)	7 (4.1)	23 (18.0)	<0.001
AH, n (%)	140 (81.4)	92 (71.9)	0.07
DM, n (%)	60 (35.1)	35 (27.3)	0.19
PE, n (%)	2 (1.2)	2 (1.6)	1.00
DVT, n (%)	3 (1.8)	3 (2.3)	1.00
History of stroke/TIA, n (%)	7 (4.1)	14 (10.9)	0.04
Thyroid disease, n (%)	48 (28.1)	11 (8.6)	<0.001

CKD, n (%)	55 (32.3)	24 (18.7)	0.01
Laboratory tests			
Hgb (g/dL), mean (SD)	13.5 (1.6)	14.4 (1.7)	<0.001
WBC (K/ul), median (IQR)	7.5 (6.4–9.0)	6.9 (5.9–8.2)	0.03
PLT (K/ul), median (IQR)	221 (186–269)	194 (151–234)	<0.001
GFR (ml/min/1.73 m ²), median (IQR)	60 (48–60)	60 (60–60)	<0.001
LDL cholesterol, mg/dl, median (IQR)	75 (57–105)	78 (57–98)	0.93
AspAT, U/l, median (IQR)	23 (18–33)	23 (18.5–32)	0.80
AlAT, U/l, median (IQR)	23 (15–32)	24 (18–32)	0.20
TSH, uIU/mL, median (IQR)	1.64 (0.97–2.66)	1.43 (0.76–2.16)	0.18
Pharmacotherapy			
ASA, n (%)	18 (10,5%)	23 (28,0%)	0.09
Clopidogrel, n (%)	2 (1,2%)	7 (5,5%)	0.07
Ticagrelor, n (%)	1 (0,6%)	0 (0)	1.0
BB, n (%)	140 (81.4)	91 (71.1)	0.05
ACE-I, n (%)	67 (38.9)	43 (33.6)	0.41
ARB-AT1, n (%)	49 (28.6)	37 (28.9)	1.00

Ca-bloker, n (%)	57 (33.1)	33 (25.8)	0.21
Thyroid hormone, n (%)	43 (25.0)	7 (5.5)	<0.001
Anti-thyroid drugs n (%)	3 (1.7)	4 (3.1)	0.46
PPI, n (%)	47 (27.5)	28 (21.9)	0.33
CHA₂DS₂-VASc score, median (IQR)	4 (3–5)	3 (2–5)	<0.001
Type of AF			
Paroxysmal AF, n (%)	118 (68.6)	66 (51.6)	0.004
Persistent AF, n (%)	110 (63.9)	83 (64.8)	0.97
SEC / Thrombus			
Thrombus, n (%)	7 (4.1)	7 (5.5)	0.77
SEC 4+, n (%)	30 (17.4)	19 (14.8)	0.66
SEC 4+/T, n (%)	35 (20.3)	21 (16.4)	0.47

Abbreviations: ACE-I, angiotensin converting enzyme inhibitor; AH, arterial hypertension; ALT, alanine aminotransferase; ARB, angiotensin receptor blocker – AT1; ASA, acetylsalicylic acid; AST, aspartate aminotransferase; BB, beta blocker; CAD, coronary artery disease; CKD, chronic kidney disease; DM, diabetes mellitus; DVT, deep venous thrombosis; GFR, glomerular filtration rate; Hgb, hemoglobin; PPI, proton-pump inhibitor; IQR, interquartile range; LDL, low density lipoprotein; PE, pulmonary embolism; PLT, platelets; SEC, spontaneous echocardiographic contrast; T, thrombus; TIA, transient ischemic attack; TSH, thyroid-stimulating hormone; WBC, white blood cells

Table S2. Results of TTE and TEE parameters in a group of men and women

	Female	Male	P-value
	n = 172	n = 128	

TTE			
LVEF, %, mean (95% CI)	58.3 (57.1–59.5)	51.7 (49.7–53.8)	<0.001
LAI, cm, mean (95% CI)	5.3 (5.2–5.4)	5.5 (5.4–5.6)	<0.001
LAA 4CH, cm ² , mean (95% CI)	24.1 (23.5–24.7)	26.9 (26.0–27.7)	<0.001
LAV, mL, mean (95% CI)	76.9 (73.8–80.0)	90.7 (86.1–95.3)	<0.001
LAVI, mL/m ² , mean (95% CI)	42.3 (40.6–44.0)	44.0 (41.9–46.1)	0.24
TEE			
LAAI, cm, mean (95% CI)	2.9 (2.8–3.0)	3.0 (2.9–3.1)	0.48
LAAo, cm, mean (95 % CI)	1.49 (1.44–1.54)	1.46 (1.41–1.52)	0.54
LAAflv min, cm/s, mean (95% CI)	25.5 (24.2–26.8)	27.2 (25.3–29.2)	0.50
LAAflv max, cm/s, mean (95% CI)	39.9 (37.8–41.9)	44.5 (40.7–48.4)	0.036

Abbreviations: : LAAflv max., left atrium appendage flow velocity max. ; LAAflv min., left atrium appendage flow velocity min.; LAAI, left atrium appendage length; LAAo, left atrium appendage ostium; LAA 4CH, left atrium area from 4 chamber views; LAI 4CH, left atrium length from 4 chamber views; LAw 4CH, left atrium width from 4 chamber views; LAV, left atrium volume; LAVI, left atrium volume index; LVEF, left ventricular ejection fraction; TEE, transesophageal echocardiography; TTE, transthoracic echocardiography