

Supplementary material

Fularz M, Mitkowski P. The impact of operator experience on the success rate, time aspects and electrocardiographic features in left bundle branch area pacing. Kardiol Pol. 2023.

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Table S1. Baseline characteristics of the studied group (overall and in consecutive quarters)

	Overall	Quarter 1	Quarter 2	Quarter 3	Quarter 4	<i>P</i> -value
Age, years, mean (SD)	75.7 (8.4)	76.5 (7.7)	75.8 (9.2)	74.9 (7.0)	75.6 (9.6)	0.93
Female gender	40/100	9/25	11/25	11/25	9/25	0.88
Temporary pacing	15/100	5/25	3/25	4/25	3/25	0.83
Pacing indication:						
Atrioventricular block	57/100	19/25	14/25	11/25	13/25	0.13
Sick sinus syndrome	43/100	6/25	11/25	14/25	12/25	
Comorbidities:						
Heart failure	19/100	8/25	4/25	5/25	2/25	0.18
Coronary artery disease	26/100	8/25	8/25	6/25	4/25	0.52
Hypertension	76/100	21/25	22/25	18/25	15/25	0.09
Atrial fibrillation	33/100	7/25	12/25	9/25	5/25	0.18
Diabetes	30/100	9/25	8/25	9/25	4/25	0.36
Chronic kidney disease	31/100	9/25	9/25	8/25	5/25	0.57
COPD	8/100	3/25	2/25	3/25	0/25	0.35
Echocardiography:						
Left atrium dimension, mm, mean (SD)	40.7 (4.5)	40.6 (4.3)	41.3 (3.7)	40.8 (4.5)	40.0 (5.9)	0.84
LVEF, %, mean (SD)	56.2 (7.3)	54.6 (9.4)	56.7 (6.6)	56.8 (6.6)	56.7 (6.1)	0.66
LVEDD, mm, mean (SD)	49.7 (5.2)	51.0 (5.7)	48.8 (3.7)	49.5 (4.9)	49.4 (6.3)	0.53
Native QRS type:						
Narrow (< 120 ms)	44/100	7/25	13/25	12/25	12/25	0.28
LAFB/LPFB	9/100	2/25	1/25	4/25	2/25	
RBBB	7/100	2/25	3/25	2/25	0/25	
RBBB + LAFB/LPFB	16/100	4/25	3/25	4/25	5/25	
LBBB	12/100	5/25	2/25	0/25	5/25	
NIVCD	7/100	2/25	1/25	3/25	1/25	
Escape	5/100	3/25	2/25	0/25	0/25	
Native QRS duration, ms, mean (SD)	121.8 (28.7)	131.4 (27.7)	114.0 (28.1)	115.8 (26.8)	126.9 (31.0)	0.11

Abbreviations: COPD, chronic obstructive pulmonary disease; LAFB, left anterior fascicle block; LBBB, left bundle branch block; LPFB, left posterior fascicle block; LVEDD, left ventricular end-diastolic dimension; LVEF, left ventricle ejection fraction; NIVCD, non-specific intraventricular conduction disturbance; RBBB, right bundle branch block

Table S2. Comparison of diagnostic criteria and results in LBBP and LVSP

Modality	LBBP	LVSP	<i>P</i> -value
Number of cases	69	26	
Diagnostic criteria ^a	V6-RWPT < 75 ms ^b	Terminal R-wave in lead V1 ^d	
	V6-V1 > 44 ms		
	QRS transition ^c		
Procedure time, min, mean (SD)	67.8 (16.2)	70.5 (20.6)	0.24
Ventricular lead implantation time, min, mean (SD)	22.8 (11.3)	23.1 (8.2)	0.53
Paced QRS duration, ms, mean (SD)	118.9 (12.4)	124.3 (9.2)	0.045
V6-RWPT, ms, mean (SD)	75.0 (10.3)	88.4 (9.8)	< 0.001
V6-V1, ms, mean (SD)	45.8 (12.3)	31.6 (10.4)	< 0.001
Fluoroscopy time, min, mean (SD)	5.7 (2.6)	5.8 (2.6)	0.98

^a LBBP was diagnosed if at least one of provided criteria was met

^b For narrow native QRS and right bundle branch block, otherwise < 80 ms

^c From non-selective LBBP to selective LBBP or to LVSP

^d Applied if criteria of LBBP were not met

Abbreviations: LBBP, left bundle branch pacing; LVSP, left ventricle septal pacing; V6-RWPT, R-wave peak time in lead V6; V6-V1, V6-V1 interpeak interval