Supplementary material

Michałowski MK, Sudomir M, Oleksiuk T, et al. Right atrial anomalous muscle bundle. Clinical implications. Pol Heart J. 2025.

Table S1. Brief literature review of right and left atrial muscle bundle (by number of patients and chronologically)

Authors, year of publication	**Number of patients**	**Age**	**Sex**	**Leading message**
Right atrial muscle bundle				
Kofler et al. 2022 [1]	1	16	F	RAMB in a patient with two separate ASD's visualized by TTE and TEE.
Madjarov et al. 2018 [2]	1	53	F	Manifestation of RAMB in form of acute SVCS and sub-massive PE.
Philip et al. 2017 [3]	1	3	F	RAMB in a patient with ASD. Possible RAMB interference during percutaneous closure of ASD.
Victor et al. 1997 [4]	1	16	M	Incidental RAMB finding during ASD surgery.
Left atrial muscle bundle				
Yamashita et al. 1993 [5]	22	N/A	N/A	LAMB in 22/1100 autopsies. Possible common origin of LAMB, PFO and Chiari's network.
Pizzuti et al. 2023 [6]	6	71, 84, 18, 36, 77, 79	5M and 1F	LAMB characterization by 3D echocardiography.

Sabharwal et al. 2018 [7]	2	22, 56	2M	LAMB visualization by TTE and TEE.
Yamashita et al. 2024 [8]	1	65	M	First reported case of electrical conduction through LAMB.
Verma et al. 2022 [9]	1	62	M	Incidental LAMB finding in CTA.
Yamaguchi et al. 2021 [10]	1	62	M	LAMB imaging by CCT and TEE.
Saito et al. 2019 [11]	1	54	M	LAMB visualization by 3D-TEE.
Saade et al. 2018 [12]	1	49	F	Incidental LAMB finding during heart surgery.
Jang et al. 2017 [13]	1	76	M	LAMB imaging by 3D-TEE.
Okajima et al. 2015 [14]	1	65	M	LAMB visualization by 3D-CT (before catheter ablation).
Uetake at al. 2015 [15]	1	72	M	LAMB in electrophysiological study.
Baran et al. 2003 [16]	1	43	F	LAMB in a patient with MR secondary to MR.

Abbreviations: 3D, three dimensional; AF, atrial fibrillation; ASD, atrial septal defect; CCT, cardiac computed tomography; CT, computed tomography; CTA, computed tomography angiography; F, female; LA, left atrium; LAMB, left atrial muscle bundle; M, male; MR, mitral regurgitation; MV, mitral valve; MVP, mitral valve prolapse; PE, pulmonary embolism; PFO, patent foramen ovale; RAMB, right atrial muscle bundle; SVCS, superior vena cava syndrome; TEE, transesophageal echocardiography

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