

Supplementary Table 1: Definition of aFMR across the different studies.

<b>Study, year</b>	<b>Study design</b>	<b>Definition</b>
<b>Yoon et al. 2022</b>	retrospective, single center	FMR with no or mild LV remodeling but moderate or severe LA dilatation
<b>Tanaka et al. 2022</b>	retrospective, single center	1. Normal mitral leaflets; 2. LVEF >50%; 3. Absence of LV enlargement and segmental abnormality.
<b>Sodhi et al. 2022</b>	prospective, multicenter	1. LVEF $\geq$ 45%, 2. Normal MV leaflets, 3. History of AF with LA or mitral annular enlargement (LA volume index $>34 \text{ mL/m}^2$ )
<b>Simard et al. 2022</b>	retrospective, single center	1. MR $\geq 2+$ ; 2. LVEF $\geq 50\%$ ; 3. Severe LA enlargement ( $\geq 48 \text{ ml/m}^2$ )
<b>Shiota et al. 2021</b>	retrospective, single center	1. LVEF $\geq 50\%$ without LV wall motion abnormality 2. LV end-diastolic diameter (LVEDD) $<55\text{mm}$ ; 3. Permanent AF rhythm
<b>Rubio et al. 2022</b>	retrospective, multicenter	AF and FMR without structural leaflets abnormalities and with HF with preserved LVEF
<b>Rottlander et al. 2022</b>	retrospective, single center	1. FMR $\geq 3+$ ; 2. LVEF $\geq 50\%$ ; 3. LVEDD $\leq 55 \text{ mm}$ ; 4. HFpEF (NT-proBNP $\geq 125 \text{ pg/ml}$ , LA dilation $\geq 34 \text{ ml/m}^2$ , echocardiographic signs of diastolic dysfunction, e.g., E/e' $\geq 13$ ); 5. No regional wall motion abnormalities of the LV
<b>Petrescu et al. 2021</b>	retrospective, single center	FMR with 1. Relevant LA dilatation, 2. No LV systolic dysfunction or dilatation, 3. No ischemic etiology of FMR
<b>Doldi et al. 2022</b>	retrospective, multicenter	LVEF $\geq 50\%$ without any regional wall motion abnormalities, Carpentier type I leaflet motion, and dilated left atria.
<b>Claeys et al. 2021</b>	retrospective, multicenter	FMR in the presence of LVEF $\geq 50\%$ and LAVI $>34 \text{ ml/m}^2$ (or anterior-posterior left anterior dimension index $>23 \text{ cm/m}^2$ )
<b>Gonzalez et al. 2021</b>	retrospective, multicenter	1. Normal MV leaflets; 2. History of AF; 3. Normal LV systolic function with LVEF $> 50\%$ and no segmental abnormalities

Abbreviations:

AF: Atrial fibrillation; FMR: Functional mitral regurgitation; HFpEF: Heart failure with preserved ejection fraction; LA: Left atrium; LAVI: left atrium volume index; LV: Left ventricle; LVEF: Left ventricle ejection fraction; MR: mitral regurgitation; MV: Mitral valve.