

Transthoracic Echocardiogram

Patient:	LINGARD MAGGIE	Exam Date:	27/03/2025
DOB:	24/09/1958 (66 years)	Patient ID:	LINGAMA_95378
Gender:	female	Sonographer:	Benjamin Smith
Height:	158cm	Referring Physician :	Dr Tommy Wong
Weight:	111kg	BSA:	2.09cm/m2
Rhythm:	Sinus rhythm.		
Referral reason:	AS		

Left Ventricle Normal left ventricular cavity size with normal systolic function, EF>55%. Indeterminate diastolic function by ASE criteria. Mild basal septal thickening with otherwise normal wall thickness.

Left Atrium Normal left atrial size.

Right Ventricle Normal right ventricular size and function.

Right Atrium Normal right atrial size.

Pericardium No pericardial effusion.

Aorta Normal aortic dimensions (Ao root 2.8 cm, asc ao 2.9 cm).

Aortic Valve Morphology unclear. the valve is thickened with restricted mobility. Severe aortic valve stenosis (mean PG=42 mmHg, peak PG=73 mmHg, AVA=0.6 cm², DPI=0.32, SVInd=29.6 ml/m², AVAInd=0.3 cm²/m²).

Mitral Valve Normal mitral valve morphology.

Pulmonic Valve Structurally normal pulmonic valve.

Tricuspid Valve Normal tricuspid valve structure and function. Trivial tricuspid regurgitation, unable to estimate RVSP from incomplete TR Doppler trace.

Measure		Left Ventricle		Left Atrium		Right Atrium		Mitral Valve		Aortic Valve		Aorta	
IVSd 2D	1.2 cm [0.6-0.9]	LVIDs 2D	2.5 cm [2.2-3.5]	LAAs (A4C) 2D	20.9 cm ²	RAA (s) 2D	18.0 cm ² [10.0-18.0]	MV E / A	0.73 [0.6-1.32]	AV max PG	73 mmHg	Ao Root Diam 2D	2.8 cm
LVIDd 2D	3.9 cm [3.8-5.2]	LVIDs 2D	2.5 cm [2.2-3.5]	LAESVI (MOD BIP) 2D	30 ml/m ² [16-34]	MV E / Avg E' TDI	14.47 [<=14.0]	LVOT Vmax	1.20 m/s	AV mean PG	42 mmHg	Ao Asc Diam 2D	2.9 cm [2.3-3.1]
										AVA (VTI)	0.6 cm ²		
										Dimensionless Index VTI	0.32		
										AVAI (Vmax)	0.3 cm ² /m ²		

Conclusion:

1. Normal left ventricular cavity size and systolic function, EF>55%.
2. Severe AS