

Transthoracic Echocardiogram Report

Patient	CLARK, Sandra					Date	07-05-2025	
DOB	29-10-1948	Sex	F				Patient ID	2798
Referred by	Dr Rajvir Hansra					Heart rhythm	Sinus rhythm	
HT	1.73 m	WT	114 KG	BSA	2.25 m2	BP	150/70mmHg	
Indication	Cardiac review					Report Status	Final	

Measurements

LV/RV	Aortic Valve	Mitral Valve	Diastology
LVIDd: 4.1 cm	LVOT Vmax: 1.5 m/s	MV MG:	E vel: 1.01 m/s
LVIDs: 3.0 cm	LVOT VTI: 31 cm	PHT:	Decel time: 247 ms
IVSWd: 1.1 cm	AV Vmax: 4.0 m/s	MVA (PHT):	A vel: 1.49 m/s
LVPWd: 1.1 cm	Corrected AV PG: 54 mmHg		E/A: 0.7
EF Biplane: -	Corrected AV MG: 33 mmHg		E' sept: 0.04 m/s
RVS': 0.2 m/s	AV VTI: 80 cm		E' lateral: 0.04 m/s
RV base: 3.4 cm	AVA VTI: 1.2 cm2		E/E' Avg: 23.4
TAPSE: 2.5 cm	DSI: 0.39		
GLS: -			
Chamber size	Aorta	Tricuspid Valve	Pulmonary Valve
LA Vol Ind: 41 ml/m2	LVOT Diam: 2.0 cm	TR Vmax: -	PV Vmax: 1.1 m/s
LA Area: 27 cm2	AoR: 3.6 cm	TR PG: -	PV PG: 4.7 mmHg
RA Area: 14 cm2	Asc Aorta: 3.5 cm	RAP: mmHg	
		RVSP: mmHg	

Comments

Left Ventricle	Normal left ventricular size and systolic function. EF=65%. Mildly increased left ventricular wall thickness with flow acceleration, difficult to accurately assess LVOT obstruction in the setting of AS, however late systolic peaking Doppler increasing from 33mmHg to 101mmHg with Valsalva at the mid-basal level. Grade 2 diastolic dysfunction with elevated filling pressures. Unable to calculate GLS.
Right Ventricle	Normal right ventricular size and function. Thickened free wall
Left Atrium	Mildly dilated left atrial size by volume criteria. PFO with left to right flow by colour Doppler
Right Atrium	Normal right atrial size.
Aortic Valve	Calcific aortic valve with restricted leaflets. Moderate aortic stenosis; highest gradient from apicals. Trivial aortic regurgitation
Mitral Valve	Moderate posterior mitral annular calcification encroaching and restricting the posterior mitral valve leaflet. Thickened and mobile anterior mitral valve leaflet. Mildly increased gradients through the MV - mild stenosis. Trace mitral regurgitation
Tricuspid Valve	Normal tricuspid valve structure and function. Trivial tricuspid regurgitation. Insufficient TR to estimate RVSP
Pulmonary Valve	Normal pulmonic valve structure and function. Trivial pulmonary regurgitation
Aorta	Mildly dilated aortic root and ascending aorta size for BSA. No aortic coarctation.
Pericardium	The pericardium appears normal, with no effusion detected.

Conclusions

- Normal LV size and systolic function, EF 65%.
- At least mildly increased left ventricular wall thickness with mid-basal LVOT obstruction
- Normal RV size and systolic function.
- Moderate calcific aortic stenosis with trivial regurgitation
- Posterior MAC with restricted PMVL, mildly increased gradients.
- Insufficient TR to estimate RVSP
- No pericardial effusion.