

Transthoracic Echocardiogram Report

Patient	THROPE, ROBIN				Date	25-07-2025
Patient ID/Gen	THRRON121946 / Male				Date of Birth	27-12-1946
Referred by	Dr Siddharth Trivedi	Image Quality	Good		Heart rhythm	Sinus rhythm
Indication	Aortic stenosis progression.	Ht	2.0 m	Wt	115.0 KG	BSA 2.5 m2
CC To:						

Measurements

LV/RV	Aortic Valve	Mitral Valve	Diastology
LVIDd: 4.1 cm	LVOT Vmax: 1.10 m/s	MV MG: -	E vel: 0.53 m/s
LVIDs: 3.0 cm	LVOT VTI: 25.7 cm	MVA (VTI): -	Decel time: 279 ms
IVSWd: 2.0 cm	AV Vmax: 3.91 m/s		A vel: 0.71 m/s
LVPWd: 1.4 cm	AV PG: 61.09 mmHg		E/A: 0.7
LV EF (2D): 55 %	AV MG: 41.04 mmHg		E' sept: 0.04 m/s
LV FS (2D): 28 %	AV VTI: 80.8 cm		E' lateral: 0.04 m/s
LV EF (BP) -	AVA (VTI): 1.2 cm2		E/E':
RV Base 4.0 cm	AR PHT:		
TAPSE: 2.1 cm			
RVS' 0.10 m/s			
Chamber size	Aorta	Tricuspid Valve	Pulmonary Valve
LA Area: 26 cm2	LVOT Diam: 2.2 cm	TR Vmax: -	RVOT Vmax
LA Vol Ind 40 ml/m2	Aortic Root: 4.4 cm	TR PG: -	PV Vmax:
RA Area: 18 cm2	Asc Aorta: 4.1 cm	IVC: -	PV PG:
		RAP: 3 mmHg	

Comments

Left Ventricle	Normal left ventricular size with normal systolic function. Moderate to severe concentric hypertrophy. No regional wall motion abnormalities noted.
Right Ventricle	Normal right ventricular size and function.
Diastology	Normal.
Left Atrium	Moderately dilated left atrial size by volume criteria.
Right Atrium	Mildly dilated right atrial size.
Aortic Valve	Moderate to severe calcific aortic stenosis, (Peak velocity - 3.91m/s, mean gradient - 41 mmHg, AVA - 1.2 cm ² , AVAI 0.4 cm ²).
Mitral Valve	Normal mitral valve structure and function. Trivial regurgitation.
Tricuspid Valve	Structurally normal tricuspid valve. Insufficient TR to estimate PASP.
Pulmonary Valve	Normal pulmonic valve structure and function. Trivial regurgitation.
Aorta	Mildly dilated aortic root and ascending aorta size for BSA.
Pericardium	No pericardial effusion.
Shunts	Interatrial and interventricular septa appear intact, with no evidence of intracardiac shunting by spectral or colour Doppler

Conclusions

- Normal left ventricular size with normal systolic function. Moderate to severe LVH.
- Moderately dilated left and mild dilated right atrial size.
- Moderate to severe calcific aortic stenosis.
- Mildly dilated aortic root and ascending aorta size.
- No pericardial effusion.

Cardiologist Dr Siddharth Trivedi

Sonographer: Noor Fatima