

Transthoracic Echocardiogram Report

Patient	RUSS, GARY	ME00465605				Date	26-06-2025
DOB	10-07-1946	Sex	M			Patient ID	GR100746
Referred by	Prof Ravinay Bhindi					Study ID	A2556/25
Height	1.68 m	Weight	74 KG	BSA	1.84 m2	Heart rhythm/rate	SR 75/min
Indication	TAVI work-up. Parkinsons disease.						

Measurements

LV/Atrial Chamber Size	Diastology	RV Function/Pulmonary HTN	Aortic Valve
LVIDd: 4.6 cm	E vel: 75 cm/s	RVS' : 13 cm/s	AV Vmax: 430cm/s
LVIDs: 3.2 cm	Decel time: -	TAPSE: 1.8 cm	AV PG: 76 mmHg
IVSWd: 1.2 cm	A vel: 134 cm/s	RV Frac: -	AV MG: 47 mmHg
LVPWd: 1.2 cm	E/A: 0.6	PAAT: -	AV VTi: 99 cm
LA size: 4.5 cm	E' sept: 6.0 cm/s	RV Base: -	LVOT Vmax: 137 cm/s
EF BP: 67 %	E' lateral: 7.5 cm/s	RV Mid. : -	LVOT VTi: 29.8 cm
LA Area: 22 cm2	E/E' avg: -	RV Length: -	AVA VTi: 0.9 cm2
LA Vol Ind: 38 ml/m2		TR Vmax: 2.2 m/s	AVAi: 0.51 cm2/m2
RA Area: 14 cm2		RVSP-RA: 19mmHg	SVi: 51 mL/m2
GLS: [-]		IVC: 1.7 cm	
		Collapse=>50%: No	
Mitral Valve	Aorta	Tricuspid Valve	Pulmonary Valve
MV MG: 2 mmHg	LVOT Diam: 2.0 cm	TV MG: -	PV Vmax: 94 cm/s
PHT: -	AoRD : 3.9 cm	TV pk E: -	PV PG: 4 mmHg
MVA (PHT): -	Asc Aorta: 3.2 cm		Qp:Qs
	Arch: -		

Comments

Left Ventricle	Normal left ventricular size and systolic function. Left ventricular ejection fraction estimated at 65%.
LV Wall Thickness	Mild concentric left ventricular hypertrophy.
Right Ventricle	Normal right ventricular chamber size and systolic function.
Left Atrium	Mildly dilated left atrium.
Right Atrium	Normal right atrial size.
Aortic Valve	Trileaflet aortic valve. Moderately thickened and calcified leaflets. Markedly restricted valve opening on 2D eg Clip 21. Doppler data as in table above c/w severe stenosis. Mild aortic regurgitation.
Mitral Valve	Marked posterior mitral annular calcification extending onto the posterior leaflet. Moderately thickened mitral leaflets. Mean diastolic pressure gradient 2mmHg. Trivial mitral regurgitation within normal limits.
Tricuspid Valve	Normal tricuspid valve structure. Mild tricuspid regurgitation.
PASP	PASP ~27 mmHg assuming RA pressure of 8 mmHg.
Pulmonary Valve	Normal pulmonary valve structure and function.
Aorta	Mildly dilated aortic root. Normal ascending aortic size.
Pericardium	No pericardial effusion.
Additional Notes	No mass seen. No shunt detected with colour Doppler evaluation. No atrial septal aneurysm.

Conclusions

- Sinus rhythm. 75/min.
- Normal left ventricular size and systolic function. Left ventricular ejection fraction estimated at 65%. Mild concentric left ventricular hypertrophy. Moderate sigmoid-shaped septum.
- Normal right ventricular chamber size and systolic function. Mildly dilated left atrium. Normal right atrial size.
- Trileaflet aortic valve. Moderately thickened and calcified leaflets. Markedly restricted valve opening on 2D eg Clip 21. Doppler data as in table above c/w severe stenosis. Mild aortic regurgitation. Markedly calcified aortic-mitral curtain.
- Marked posterior mitral annular calcification extending onto the posterior leaflet. Moderately thickened mitral leaflets. Mean diastolic pressure gradient 2mmHg. Trivial mitral regurgitation within normal limits.
- Normal tricuspid valve structure. Mild tricuspid regurgitation.
- Mildly dilated aortic root. Normal ascending aortic size.

Cardiologist	Dr Chris Choong	Sonographer: Helen Gessler
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