

Transthoracic Echocardiogram Report

Patient	MCGUIRE, STEPHEN					Date	31-03-2025
DOB	22-07-1953	Sex	M			Patient ID	SM220753
Referred by	Prof Gemma Figtree					Study ID	A1112/25 SE
Height	1.77 m	Weight	99 KG	BSA	2.16 m2	Heart rhythm/rate	SR 97bpm
Indication	SOB, SEM, ? AS						

Measurements

LV/Atrial Chamber Size		Diastology		RV Function/Pulmonary HTN		Aortic Valve	
LVIDd:	5.7 cm	E vel:	44 cm/s	RVS' :	-	AV Vmax:	416 cm/s
LVIDs:	3.9 cm	Decel time:	254 ms	TAPSE:	23 mm	AV PG:	65 mmHg
IVSWd:	1.2 cm	A vel:	85 cm/s	RV Frac:	-	AV MG:	40 mmHg
LVPWd:	1.0 cm	E/A:	0.5	PAAT:	-	AV VTI:	85.6 cm
LA size:	4.5 cm	E' sept:	3.4 cm/s	RV Base:	-	LVOT Vmax:	89 cm/s
EF BP:	-	E' lateral:	7.4 cm/s	RV Mid. :	-	LVOT VTI:	19.6 cm
LA Area:	24 cm2	E/E' avg:	9.4	RV Length:	-	AVA VTI:	0.87 cm2
LA Vol Ind:	37 ml/m2			TR Vmax:	2.4 m/s	AVAi:	0.4 cm2/m2
RA Area:	20 cm2			RVSP-RA:	23 mmHg	SVi:	34.3 mL/m2
GLS:	[-]			IVC:	-		
				Collapse=>50%:	[Yes]		
Mitral Valve		Aorta		Tricuspid Valve		Pulmonary Valve	
MV MG:	-	LVOT Diam:	2.2 cm	TV MG:		PV Vmax:	-
PHT:	74 ms	AoRD :	4.1 cm	TV pk E:		PV PG:	-
MVA (PHT):	3 cm2	Asc Aorta:	3.4 cm			Qp:Qs	
		Arch:	-				

Comments

Left Ventricle	Upper normal left ventricular size with preserved systolic function. EF 60%-65%
LV Wall Thickness	Mildly thickened septal wall.
Right Ventricle	Normal right ventricular size and function.
Left Atrium	Mildly dilated left atrial size.
Right Atrium	Mildly dilated right atrial size.
Aortic Valve	Tricuspid aortic valve. Severely calcified aortic valve with restrictive opening. Severe aortic stenosis. No AR
Mitral Valve	Mild MV annulus calcification. Mild to moderate MR
Tricuspid Valve	Trivial TR
Estimated PASP	PASP is 23 mmHg above RAP.
Pulmonary Valve	Normal structure and function.
Aorta	Normal aortic root and ascending aorta size.
Pericardium	No effusion
Other Findings	

Conclusions

- Sinus rhythm
- Upper normal left ventricular size with preserved systolic function. EF 60%-65%
- Mildly thickened septal wall.
- Normal right ventricular size and function.
- Mildly dilated left atrial size.
- Mildly dilated right atrial size.
- Tricuspid aortic valve. **Severely calcified aortic valve with restrictive opening. Severe aortic stenosis.** No AR
- Mild MV annulus calcification. Mild to moderate MR
- Trivial TR
- PASP is 23 mmHg above RAP.
- Normal aortic root and ascending aorta size.
- No effusion