

Transthoracic Echocardiogram Report

Patient	Magill, Brooke				Date	17-10-2024
DOB	02-04-1980	Gender	F		Patient ID	26315
Referred by	Dr Ray Mullen				Heart rhythm	Sinus ~80bpm
HT	175 cm	WT	50 kg	BSA	1.60 m2	Chart
Indications	? Pericarditis					
Study Details	Patient identification verified and correct. Procedure explained to the patient and verbal consent obtained.					
Image Quality	Good					

Conclusions

- Normal LV size and systolic function. LVEF 56% by Simpson's. No RWMA's. Normal wall thickness. Normal diastolic function.
- Normal RV size and systolic function. RVSP 22mmHg.
- Mildly dilated left atrium.
- Mildly thickened mitral valve leaflets. Systolic buckle noted. No stenosis. Trivial late systolic regurgitation.
- Normal size aortic root and ascending aorta.

Comments

Left Ventricle	Normal left ventricular size for BSA by volume criteria with normal systolic function. LVEF 56% by Simpson's biplane method (visually 55-60%). Normal wall thickness. Normal diastolic function. No regional wall motion abnormalities present.
Right Ventricle	Normal right ventricular size and systolic function. Right ventricular systolic pressure of 22mmHg assuming right atrial pressure of 3mmHg.
Left Atrium	Mildly dilated atrial size by volume criteria. The interatrial septum appears intact by colour flow Doppler
Right Atrium	Normal right atrial size.
Aortic Valve	Normal aortic valve structure and function. Has 3 cusps. No stenosis. Trivial aortic regurgitation.
Mitral Valve	Mildly thickened mitral valve leaflets with normal excursion. Systolic buckle noted. No stenosis. Trivial late systolic mitral regurgitation.
Tricuspid Valve	Normal tricuspid valve structure and function. Trivial tricuspid regurgitation.
Pulmonary Valve	Normal pulmonic valve structure and function.
Aorta	Normal aortic root and ascending aorta size for BSA.
Pulmonary Artery	Normal pulmonary artery size.
Pericardium	No pericardial effusion.

Measurements

LV/RV	Aortic Valve	Mitral Valve	Diastology
LVIDd: 4.79 cm	LVOT Vmax: 96.5 cm/s	MV MG: -	E vel: 60.8 cm/s
LVIDs: 3.20 cm	LVOT VTI: 20.4 cm	PHT: -	Decel time: 0.236 sec
IVSWd: 0.53 cm	AV Vmax: 118 cm/s	MVA (PHT): -	A vel: 55.8 cm/s
LVPWd: 0.71 cm	AV PG: 5.55 mmHg	MVA (VTI) -	E/A: 1.09
EF Biplane: 56%	AV MG: 3.33 mmHg	MVA (Plan) -	E' sept: 9.42 cm/s
RVS: 13 cm/s	AV VTI: 24.50 cm		E' lateral: 14.4 cm/s
TAPSE -	AVA VTI 2.61 cm2		E/E' Average: 5
RV Basal 3.5 cm	DSI		
RV Mid -	AR PHT: -		
RV Length -			
Chamber size	Aorta	Tricuspid Valve	Pulmonary Valve
LVEDV: 120 ml	LVOT Diam: 2.0 cm	TR Vmax: 2.2 m/s	PV Vmax: 86.5 cm/s
LVESV: 50 ml	Trans-sinus 3.7 cm	TR PG: 19 mmHg	PV PG: 3.01 mmHg
LA Area: 19 cm2	Aorta STJ: 3.5 cm	RAP: 3 mmHg	
LA Vol Ind 35 ml/m2	Asc Aorta: 3.3 cm	TV MG -	
RA Area: 15 cm2	Arch: -		

Cardiologist Dr Krystle Lander- Echocardiologist, FRACP (cardiology), MBBS, BHSc

Sonographer: Tyas Williams

CC: Dr.