

Transthoracic Echocardiogram Report

Patient:	MAGILL, BROOKE				Date:	23-01-2024	
DOB:	02-04-1980	Sex	F		Patient ID:	957	
Referred by:	Dr Sadheesh Rathnayake				Heart rhythm:	SR 90-100bpm	
HT:	1.74 m	WT:	48 KG	BSA:	1.57 m2	Report Status	Final
Indication:	Chest Pain, Palpitations post COVID vaccination						
Study Details:	Patient identification verified and correct. Procedure explained to the patient and verbal consent obtained.						

Measurements

LV/RV	Aortic Valve	Mitral Valve	Diastology
LVIDd: 4.5 cm	LVOT Vmax: 1.1 m/s	MV MG:	E vel: 55.7 cm/s
LVIDs: 3.1 cm	LVOT VTI: 19.7 cm	PHT:	Decel time: 161 ms
IVSWd: 0.6 cm	AV Vmax: 1.4 m/s	MVA (PHT):	A vel: 36.8 cm/s
LVPWd: 0.7 cm	AV PG: 8 mmHg		E/A: 1.5
LVMI: 55.5 g/m2	AV MG: 4 mmHg		E' sept: 7.6 cm/s
EF Biplane: 58 %	AV VTI: 23.3 cm		E' lateral: 11.3 cm/s
RVS': 13.4 cm/s	AVA VTI: 2.7 cm2		E/E': 6.1
TAPSE: 1.8 cm	AVA Vmax: 2.4 cm2		
RVd: 2.4 cm	AR PHT:		
	DPI:		
Chamber size	Aorta	Tricuspid Valve	Pulmonary Valve
LVEDV: 68 ml	LVOT Diam: 2.0 cm	TR Vmax: 2.4 m/s	PV Vmax: 1.0 m/s
LVESV: 32 ml	ARD: 3.5 cm	TR PG: 23 mmHg	PV PG: 4 mmHg
LA Area: 13 cm2	Aorta STJ:	IVC: -	Qp:Qs
LA Vol Ind: 22mls/m2	Asc Aorta: -	RAP: 3mmHg	
RA Area: 11 cm2	Arch: 2.4 cm	RVSP: 26mmHg	

Comments

Left Ventricle	Normal left ventricular size for BSA by volume criteria with normal systolic function. EF 58 % by Simpson's biplane method. Normal wall thickness. Normal diastolic function.
Right Ventricle	Normal right ventricular size and systolic function. Normal right ventricular systolic pressure of 26mmHg assuming right atrial pressure of 3mmHg.
Left Atrium	Normal left 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. No aortic regurgitation.
Mitral Valve	Systolic buckling of the posterior leaflet. No prolapse. Mild 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. No Aortic Coarctation.
Pulmonary Artery	Normal pulmonary artery size.
Pericardium	No pericardial effusion.

Conclusions

- Normal LV size and systolic function, EF 58 %.
- No obvious regional wall motion abnormalities.
- Normal RV size and systolic function, RVSP 26mmHg.
- Mild mitral regurgitation.