



Date of Study: 17/12/2021 Patient's Name: Mr Adam SIWEK
18 Turtledove Way, Bennett Springs WA 6063

DOB: 21/09/1984 Referring Doctor: Gary Sturdy (Woodvale)
URN: 989272 Sonographer: Amanda Goodman 9561-C

Reason for Study: Post Pfizer vaccination. Developed myocarditis, query pericardial effusion.

Report For: Dr Gary Sturdy cc.
Exam Location: Subiaco

ECHOCARDIOGRAM REPORT

LV Diastole	5.2	cm (M<6.0, F<5.4)	Aortic Valve Peak Grad	6.8	mmHg
LV Systole	3.3	cm (<3.7)	Aortic Valve Mean Grad		mmHg
			Aortic Valve Area		cm ²
Fractional Shortening	36.7	% (>25%)	Mitral Valve Peak Grad		mmHg
LV Septal Thickness	0.75	cm (<1.1)	Aortic Valve Peak Velocity	1.3	m/s
LV Post Wall Thickness	0.72	cm (<1.1)	Ascending Aorta Diameter	3.2	cm (<3.5)
Left Atrium		cm (<4.0)	Pulmonary Valve Velocity		m/s
Aortic Root Diameter	3.3	cm (<3.7)	Tricuspid Valve Peak Gradient	17.6	mmHg

COMMENTS

Left Ventricle: ECG: Sinus bradycardia (50 - 60 bpm).

Normal left ventricular chamber size for body surface area 2.6 cm/m² (n: 2.2-3.1 cm/m²). Normal myocardial wall thickness. Normal left ventricular mass index of 64 g/m² (n: 49-115 g/m²). No regional wall motion abnormalities detected at this study. Normal systolic function. The Simpson's ejection fraction is 58%. Normal diastolic function with normal filling pressure, MV E/e' ratio is 4 (n: <=8).

Left Atrium: The left atrium is mildly dilated. Left atrial biplane volume index is 39 ml/m² (mildly dilated: 35-45 ml/m²).

Aortic Root: Normal dimensions of the aortic root and proximal ascending aorta.

Aortic Valve: Structurally normal trileaflet valve. Normal cusp excursion. No regurgitation.

Mitral Valve: Normal leaflet thickness and mobility. No regurgitation.

Tricuspid Valve: The tricuspid valve appears structurally normal. Trivial regurgitation. From the tricuspid regurgitant velocity the estimated pulmonary artery systolic pressure is 21 mmHg (assuming a right atrial pressure of 3 mmHg).

Pulmonary Valve & Artery: The pulmonary valve is normal with normal Doppler flow.

Right Atrium, Right Ventricle: The right atrium is normal size. Right atrial volume index is 29 ml/m² (n: <=39 ml/m²). Normal right ventricular size, the basal diameter is 4.1 cm (n: <= 4.2 cm). Normal right ventricular global systolic function, annular s' velocity is 12 cm/s (n: >= 10 cm/s). Normal IVC diameter with normal response to inspiration consistent with normal RA pressures.

Pericardium: The pericardium is structurally normal with no evidence of an effusion.

CONCLUSION:

1. Structurally normal pericardium with no evidence of an effusion.
2. Normal left ventricular size, myocardial wall thickness and systolic function (EF=58%).
3. Mildly dilated left atrium.
4. No significant valvular dysfunction.
5. Normal right ventricular size and systolic function.

Reporting Doctor: Digitally reported and finalised by Dr Stephen Gordon
WESTERN CARDIOLOGY - Telephone No: 9346 9300

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