

**Wollongong Medical Specialists**

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**Transthoracic Echocardiogram Report**

Patient	McMullen, John	Date	15-05-2025
DOB	05-04-1938 Sex M	Patient ID	22975
Referred by	Dr Emilija Sokolovska	Heart rhythm	Atrial Fibrillation
HT	1.74 m WT 80 KG BSA 1.95 m2	Report Status	Final
Indication	S7M with dizziness.		

**Measurements**

LV/RV	Aortic Valve	Mitral Valve	Diastology
LVIDd: 6.1 cm	LVOT Vmax: 0.55 m/s	E vel: 1.1 m/s	E' sept: 0.04 m/s
LVIDs: 4.9 cm	LVOT VTI: 10.8 cm	A vel: -	E' lateral: 0.05 m/s
IVSWd: 0.8 cm	AV Vmax: 3.4 m/s	Decel time: 148 ms	E/E' Avg: 23
LVPWd: 1.0 cm	AV PG: 45.3 mmHg	E/A: -	
EF Biplane: -	AV MG: 30.9 mmHg	MV MG: -	
RVS': -	AV VTI: 68 cm	PHT: -	
TAPSE: 1.3 cm	AVA VTI: 0.7 cm2	MVA (PHT): -	
RVD: 5.4 cm	AVA Vmax: 0.7 cm2		
	DPI:		
Chamber size	Aorta	Tricuspid Valve	Pulmonary Valve
LVEDV: -	AoR: 3.5 cm	TR Vmax: 3.2 m/s	PV Vmax: 0.8 m/s
LVESV: -	Asc Aorta: 3.3 cm	TR PG: 40.6 mmHg	PV PG: 2.5 mmHg
LA Area: 28.0 cm2	LVOT Diam: 2.3 cm	IVC: 23 mm	PAT: 69 ms
LA (A-L) Ind: 53.8 ml/m2		RAP: 15 mmHg	
RA Area: 22.7 cm2		RVSP: 55 mmHg	
RA Vol Ind: 38.3 ml/m2			

**Comments**

Left Ventricle	Mildly dilated left ventricle with severe global impairment of the systolic function.
Right Ventricle	Mildly dilated right ventricle with impaired systolic function.
Left Atrium	Moderately dilated left atrium.
Right Atrium	Mildly dilated right atrium.
Aortic Valve	Trileaflet and sclerotic with severe low-flow low-gradient aortic stenosis and no regurgitation.
Mitral Valve	Structurally normal with mild regurgitation.
Tricuspid Valve	Structurally normal with mild regurgitation and an estimated PASP indicating moderate pulmonary hypertension.
Pulmonary Valve	Structurally normal with #regurgitation.
Aorta	Normal size aortic sinus and ascending aorta.
Shunt	No interatrial shunt noted with colour Doppler.
IVC	Dilated IVC with <50% inspiratory collapse.
Pericardium	Normal pericardium with no pleural or pericardial effusion noted.

**Conclusions**

- Mildly dilated left ventricle with severe global impairment of the systolic function. LVEF 30-35%. Global hypokinesis.
- Mildly dilated right ventricle with impaired systolic function.
- Batrial enlargement (Moderate LA > Mild RA).
- Severe low-flow low-gradient aortic stenosis.
- Mild to moderate mitral regurgitation and mild and tricuspid regurgitation.
- Moderate pulmonary hypertension.