

WiSE Emergency Clinic
11 Khartoum Road
Macquarie Park NSW 2113
T: (02) 9216 7676
F: (02) 9216 7677
E: info@wisemedical.com.au



TRANSTHORACIC ECHOCARDIOGRAM REPORT

Patient: Michael Birch
Date of birth: 24/04/1992
Sex: M
Referred by: Dr Gareth Kitson
Report CC'd to: -

ID: 42707
Date of study: 10/10/2024
Rhythm: Sinus Bradycardia
Technician: ET

Height (cm): 180
Weight (kg): 72
BSA (m2): 1.91

Clinical details: Recurrent pericarditis ?constriction physiology.

<u>Measurement</u>	<u>Dimensions</u>	<u>Normal Adult Range</u>
LV Diastolic Diameter 2D (cm):	5.0	M <5.9, F <5.3

LV Systolic Diameter 2D (cm):	3.5	M <4.1, F <3.6
Septal wall thickness 2D (cm):	0.8	M <1.1, F <1.0
Posterior wall thickness 2D (cm):	0.8	M <1.1, F <1.0
RWT:	0.33	< 0.42
Indexed LV Mass (g/m ²):	74	M <115, F <95
RV Size (Basal, Mid) (cm):	3.5, 2.7	Basal <4.2, Mid <3.6
LA Area / LA Volume (cm ² / mL/m ²):	22 / 37	<20cm ² / <34mL/m ²
RA Area (cm ²):	16	<18cm ²

E/A (1.0-2.0): 1.8

Decl. Time (150-240ms): 180

Avg. E/e' (<14): 7.2

TAPSE (cm): 2.5

RV S' (cm/s): 12.5

Chambers	Findings
Left ventricle:	Normal size, wall thickness and systolic function. Visual EF ~ 55-60%. Normal diastolic function.
Left atrium:	Mildly dilated.
Right ventricle:	Normal size and function.
Right atrium:	Normal size.
IAS:	Appears intact.
Valves	
Mitral valve:	Mild bileaflet prolapse, trivial regurgitation.
Aortic valve:	Tricuspid valve, normal cusps. No regurgitation. Normal size aortic root (3.4cm) and ascending aorta (3.0cm).
Tricuspid valve:	Normal leaflets, trivial regurgitation. PAP ~ 22mmHg. IVC appears normal in size and collapses on inspiration (RAP estimated at 3mmHg).
Pulmonic valve:	Normal leaflets, no regurgitation.
Pericardium:	No pericardial effusion.
Other:	

Comments:

1. Normal left ventricular size and systolic function.
2. Normal right ventricular size and function.
3. Mildly dilated left atrium.
4. Mild mitral valve prolapse with trivial mitral regurgitation.
5. Trivial tricuspid regurgitation, PAP ~ 22mmHg.
6. No pericardial effusion.

Reported by: Dr Mahnoor Mian