

Princess Alexandra Hospital

Transthoracic Echocardiography Report

Patient name:	BROWN Jason	UR #:	8121452
Date of birth:	20/04/1989	Age:	34 year(s)
Height:	178 cm	Gender:	Male
Weight:	72 kg	BSA:	1.9 m ²
Referring Physician:	Dr Dariusz Korczyk	Interpreting physician:	Dr Dariusz Korczyk
Sonographer:	Michael Bartlett		

Procedure Information

Procedure date/time:	12/05/2023 10:02 AM	Facility:	PAH
HR:	65 bpm	Machine:	Philips CX50
Rhythm:	Sinus Rhythm	Visit type:	Inpatient
		Image quality:	Adequate visualization

Indications:

OOHVF arrest [IABP insitu]. Biopsy -> myocarditis.

Observations

Left Ventricle: Normal left ventricular size. Normal overall systolic function. Mildly increased left ventricular wall thickness.

Right ventricle: Normal right ventricular size and function. RV S': 12 cm/s. TAPSE: 2.4 cm.

Aorta: Normal aortic root and ascending aorta (indexed for BSA).

Mitral valve: Normal leaflet thickness. No stenosis. Trivial regurgitation

Aortic valve: Trileaflet aortic valve. No stenosis. No significant regurgitation.

Tricuspid valve: Normal tricuspid valve. Trivial regurgitation. Unable to measure tricuspid regurgitation velocity due to incomplete spectral signal.

Pulmonary valve: The pulmonary valve was not well visualised.

Pericardium: No pericardial effusion.

Summary

Conclusions:

Normal LV size with preserved systolic function. Mild increase in LV wall thickness. No significant functional valvular pathology.
Normal RV size and systolic function.

Electronically signed by Dr Dariusz Korczyk (Interpreting physician) on 12/05/2023 at 10:57 AM



Left Ventricle

IVSd: 1.2 cm
LVIDD: 4.7 cm
PWd: 1 cm
LV mass (linear): 191 g

Right Ventricle

RV S' velocity: 12 cm/s

Mitral Valve

Peak E-wave: 0.7 m/s

Peak A-wave: 0.4 m/s

Aortic Valve and LVOT

AV Vmax: 1 m/s

AV VTI: 26 cm

AV peak gradient: 4 mmHg

AV mean gradient: 2.4 mmHg

Area (Cont VTI): 3.9 cm²

Area (Cont VTI) Index: 2.1 cm²/m²

TAPSE:

2.4 cm

E/A ratio:

1.8

E/E' average:

6

Deceleration time:

290 ms

LVOT Vmax:

0.9 m/s

LVOT VTI:

23 cm

LVOT SVI:

53 ml/m²

LVOT diameter:

2.4 cm

Dimensionless Index:

0.89

Pulmonary Valve

Peak velocity: 0.9 m/s

RVOT VTI: 20 cm

Peak gradient: 3.36 mmHg

Aorta

Sinus of Valsalva: 3.8 cm

Ascending Ao (prox): 3.2 cm

Aortic root (2D):

3.8 cm

Aortic arch:

2.6 cm

Electronically signed by Dr Danusz Korczyk (Interpreting Physician) on 12/05/2023 at 10:07 AM