

Transthoracic Echocardiography Report

Patient name:	BROWN Jason	UR #:	8121452
Date of birth:	20/04/1989	Age:	34 year(s)
Height:	175 cm	Gender:	Male
Weight:	80 kg	BSA:	2 m ²
Referring Physician:	Dr Dariusz Korczyk	Interpreting physician:	Dr Arun Dahiya Dr Nita Danda
Sonographer:	Rhett Webster		

Procedure Information

Procedure date/time:	11/05/2023 12:08 PM	Facility:	PAH
HR:	87 bpm	Machine:	GE Vivid E95
Blood pressure:	96 / 70 mmHg	Visit type:	Inpatient
Rhythm:	Sinus Rhythm	Image quality:	Adequate visualization

Indications:

OOHVFA.

Observations

Left Ventricle: Study performed bedside in Resus with the patient supine and ventilated. Study performed in sinus rhythm. Normal left ventricular size. Severe systolic dysfunction. Ejection fraction by visual estimation ~20%. Severe global hypokinesis with regional variation. Mild concentric left ventricular hypertrophy.

Right ventricle: Normal right ventricular size. Reduced systolic function. Basal RV Diam: 3.2 cm; RV S': 8 cm/s; TAPSE: 1.4 cm.

Right atrium: Dilated inferior vena cava (> 50% collapsibility). RA pressure: 8 mmHg.

Aorta: Normal aortic root and ascending aorta size. Ao sinus: 3.8 cm, Asc Ao: 3.1 cm

Mitral valve: Leaflet thickening. Trivial regurgitation.

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

Tricuspid valve: Normal tricuspid valve. Mild regurgitation. RVSP= 28mmHg (RAP ~8mmHg).

Pulmonary valve: Normal pulmonary valve. Trivial regurgitation.

Pericardium: No pericardial effusion.

Summary

Conclusions:

Normal LV size with severe systolic dysfunction. LVEF ~20-25%.
Normal RV size with reduced systolic function.
Mild TR. Estimated RVSP ~28mmHg (assuming RAP ~8mmHg).

Comments: Treating team notified.

Left Ventricle

IVSd: 1.2 cm
LVIDD: 3.9 cm
PWd: 1.2 cm
LV mass (linear): 155 g

Right Ventricle

RV S' velocity: 8 cm/s
TAPSE: 1.4 cm

Mitral Valve

Peak E-wave: 0.3 m/s
Peak A-wave: 0.4 m/s
E/A ratio: 0.9
E/E' average: 6
Deceleration time: 242 ms

Aortic Valve and LVOT

LVOT diameter: 2.4 cm

Tricuspid Valve

TR velocity: 2.3 m/s
RVSP: 28 mmHg
Estimated RAP: 8 mmHg

Pulmonary Valve

Peak velocity: 0.6 m/s
RVOT VTI: 8 cm
Peak gradient: 1.36 mmHg

Aorta

Sinus of Valsalva: 3.8 cm
Ascending Ao (prox): 3.1 cm