NSW CARDIOVASCULAR GROUP

ECHOCARDIOGRAPHY REPORT

Phone: 1300 975 708

Name	Mr Zhang Wei	File ID	2338172
Address	6 Macquarie Street, Sydney, NSW, 2000	Medicare No.	29533070311
DOB	03/05/1969	IHI	8003608000228437
Gender	Male	Country of birth	China
Indigenous Status	Neither Aboriginal nor Torres Strait Islander origin	Year of arrival	2017
		Interpreter required?	Y (Cantonese)
Test	Echocardiography	Laboratory #	3143079143
		Enquiries	
Requested	05/01/2019 0:00		
Collected	06/01/2019 09:45	Requested by	Dr David George (Oncologist)
Reported	06/01/2019 10:12	Reports to	Dr David George (Oncologist)
			Dr Sarah Bondiali (General Practitioner)
Images	Link to imaging study		

ID	Observation	Value
3143079143	Echocardiography	NSW CARDIOVASCULAR GROUP; ECHOCARDIOGRAPHY REPORT Phone: 1300 975 708 **Patient Name:** Mr Zhang Wei **Date of Birth:** 03/05/1969 **Ht/Wt/BSA:** 174 cm, 72 kg, 2.05 m2. **Date of Study:** 06/01/2019 **Site:** NSW Hospital - Cardiology

Indications: Pre-chemotherapy.

Sonographer: Ms Linda Howard

Referring physician: Dr David George

Summary:

1. Normal left ventricular size. LV vol 119 ml.
2. Normal overall left ventricular systolic function. EF = 61 %.
3. There were no resting regional wall motion abnormalities detected.
4. Normal GLS (Global Longitudinal Strain) —21 %.
5. Normal right ventricular size and systolic function.
6. Mildly dilated Left atrium. 21 cm2.
7. Mild dilatation of the aortic root (43mm).
8. Mild aortic valve sclerosis without stenosis.
9. Trivial (0—1/4) mitral valve regurgitation.
10. Trivial (0—1/4) tricuspid regurgitation.
11. Normal pulmonary artery systolic pressure. RVSP = 23 mmHg.
12. The interatrial septum appears intact.
13. Normal pericardium.
14. Patient was in sinus bradycardia at a rate of 54 bpm.

CARDIOLOGISTS INTERPRETATION:

Patient was in sinus bradycardia at a rate of 54 bpm.

Left Ventricle: The left ventricular internal cavity size was normal. LV vol 119 ml. Overall LV systolic function was normal. EF = 61 % . No evidence of left ventricular hypertrophy. There were no resting regional wall motion abnormalities detected. Indeterminant LV filling pressure based E/e' ratio = 8 %. Normal GLS (Global Longitudinal Strain) = —21 % Philips Epiq 5c.

Right Ventricle: Normal right ventricular size, wall thickness, and systolic function. RV S' 11 cm/s.

Left Atrium: The left atrium was mildly dilated. 21 cm2.

Right Atrium: The right atrium was at the upper limits of normal dimension. 20 cm2.

Pericardium: The pericardium appears normal.

Aortic Valve: The aortic valve was tricuspid. There was mild aortic valve sclerosis, with no evidence of aortic valve stenosis. PPG 6 mmHg MPG 4 mmHg, AVA 4.
6 cm2. No evidence of aortic valve regurgitation was seen. Resting LVOFT SV = 115 ml. Indexed = 56 ml/m2.

Mitral Valve: The mitral valve is sclerotic. Trivial (0—1/4) mitral valve regurgitation was seen.

Tricuspid Valve: The tricuspid valve was normal in structure. Trivial (O—1/4) tricuspid regurgitation was visualised. The tricuspid regurgitant velocity is 2.2 m/s, and with an assumed right atrial pressure of 3 mmHg, the estimated right ventricular systolic pressure normal at 23 mmHg.

Pulmonic Valve: Structurally normal pulmonic valve, with normal leaflet excursion.

Aorta: There is mild dilatation of the aortic root. The trans sinus diameter measures at 4.3 cm. The ascending aorta measures at 3.6 cm.

Shunts: The interatrial septum appears intact.

Reported By: Dr Fredrika Bremer (Cardiologist)

This letter has been electronically approved.

CALCULATIONS & MEASUREMENTS - ECHO

2D and M—MODE MEASUREMENTS (normal ranges within parentheses):

Left ventricle 2D: IVS d 0.7 cm. LVPW d 0.6 cm. LVID d 6.2 cm. LVID s 4.0 cm. LVFS 35 %. LVEF 2D 64 %.

Atrial Areas/Volume: LA Area = 21 cm2. RA Area 20 cm2.

LV SYSTOLIC FUNCTION:
LV vol 119 ml. LV vol (BSA/SEX) ULN 152 mls. LV EF = 61 %.

LV DIASTOLIC FUNCTION:
MV Peak = 0.6 m/s, MV Peak A = 0.5 m/ s, Decel Time 240 msec, MV A dur = 121 msec.

E' MV Ann = 7 cm/ s, E/e' ratio = 8, E/A Ratio = 1.2. RUPV A Vmax = 0.3 m/s, RUPV S Vmax = 0.5 m/s, RUPV D Vmax = 0.4 m/s.

SPECTRAL DOPPLER ANALYSIS (where applicable):

Mitral Valve: MV P1/2 Time = 69.6 msec. MV area, PHT 3.2 cm2.

Aortic Valve: AoV Max Vel = 1.2 m/s, AoV Peak PG = 6 mmHg, AoV Mean PG = 4 mmHg, LVOT Vmax = 1.1 m/s, LVOT VTI = 0.217 m, LVOT Diam = 2.6 cm. AoV Area Vmax 4.8 cm2. AoV Area VTI 4.6 cm2. DPI = 0. 91.

Tricuspid Valve and PA/RV Systolic Pressure: TR Max Velocity = 2.2 m/s RA pressure = 3 mmHG RVSP/PASP = 23 mmHg. RV S' = 11 cm/s.

Pulmonary Valve: PV Max velocity 1.3 m/s, PV Max PG = 7 mmHg.

Mr Wei Zhang, DOB 03/05/1969, File ID 2338172

06/01/2019 Final