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Patient ID: 77.11501034
Accession Number: 77.52675175

9th April 2025

Reported: 9 April 2025

Dear DR McCann

Re: **Ms Lucinda Robertson-Fawcett - DOB: 09/02/1992**
5/119 Freshwater Street TORQUAY 4655

ECHOCARDIOGRAM

Clinical indications: History of pericarditis and POTS

ECG rhythm: Sinus Rhythm.

Left Ventricle: Normal left ventricular size. Normal LV systolic function. Normal left ventricular wall thickness. The estimated ejection fraction is 59% by Simpson's method.

Right Ventricle: Normal right ventricular size and systolic function (RV basal = 3.1 cm, RVID mid =2. Cm). Normal wall thickness.

Diastolic Function: Normal diastolic parameters.

Left Atrium: Normal sized left atrium at 23 ml/m^2. Left atrial area measures 11cm^2. The interatrial septum is intact on colour flow Doppler.

Right Atrium: The right atrium is normal in size at 12cm^2. The IVC size measures 2.0 cm.

Aortic Valve: Morphologically normal trileaflet aortic valve with normal doppler and no regurgitation present. Peak velocity is 0.9 m/s, the peak pressure gradient is 4 mmHg and the mean pressure gradient is 2 mmHg. LVOT Diameter: 2.19 cm.

Mitral Valve: Normal mitral valve leaflets which open freely. There is grade 0-1/4 (trivial) regurgitation present.

Tricuspid Valve: Morphologically normal tricuspid valve. There is grade 0-1/4 (trivial) regurgitation present. RVSP: 14 mmHg (assuming an RA pressure of 3 mmHg). Normal pulmonary pressures assuming normal RAP

IVC/Hepatic Veins: The inferior vena cava is normal in size and collapses freely (RAP = 3 mmHg).

Pulmonary Valve: Morphologically normal pulmonary valve. There is no regurgitation present and no stenosis by doppler criteria.

Aorta: The aortic root (3.8 cm) is normal.

Other: There is no evidence of pericardial effusion.

CONCLUSION:

Medical Practitioners registered with I-MED Online can access images for this study.

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1. Sinus Rhythm. 85 bpm.
2. Normal left ventricular size. Normal LV systolic function. Normal left ventricular wall thickness. EF = 59%.
3. Normal diastolic parameters.
4. Normal right ventricular size and systolic function.
5. The valves appear structurally and functionally normal.
6. Grade 0-1/4 (Trivial) TR. RVSP: 14 mmHg. Normal pulmonary pressures assuming normal RAP
7. Normal pericardial appearance.
8. Normal Study

Height: 1.65 meter	**Weight: 55 kg**	**BSA: 1.6 m²**	**Pulse: 85 bpm**

CHAMBER STRUCTURE AND FUNCTION:

Aortic Root	3.8cm (N<3.7cm)	RVID Basal	3.1 cm
Left Ventricle (diastole)	4.8cm (N<5.7cm)	RVID Mid	2. cm
Left Ventricle (systole)	3.3cm	TAPSE	1.5cm
I.V.S.	0.4cm (N<1.1cm)	RV S' Velocity	16 cm/s
Posterior Wall	0.5cm (N<1.1cm)	Left Atrial Area	11cm² (N<20cm²)
Ejection Fraction	59% **+/-5% (N>55%)**	Right Atrial Area	12cm² (N<20cm²)
LVEDV	72ml	Asc Aorta	
Indexed LVEDV	45ml/m²	Arch	14.1mm
Indexed LA Volume	23 ml/m²	SinoTubular Junction	2.1 cm
LVOT Diameter	2.19 cm		

DOPPLER MEASUREMENTS

Valve:	**Max Vel**	**Max Grad**	**Mean Grad**	**Valve Area**	**Press 1/2 time**	**Regurg. Grade**
Aortic	0.9m/s	4 mmHg	2 mmHg			No
LVOT						
Mitral						Grade 0-1/4 (Trivial)
Pulmonary	0.8m/s	2 mmHg				No
Tricuspid						Grade 0-1/4 (Trivial)

DIASTOLOGY

Mitral E Wave: 0.5m/s	DT: 224ms	Pul S Vel:	A Duration:
Mitral A Wave: 0.4m/s	E/E' Lateral: 3	Pul D Vel:	AR Duration:
Mitral E/A: 1.25	E/E' Septal: 4	PV A Velocity:	Valsalva E/A:

Technologist: Ewen Gunn

Dr Geoffrey Tilse
Electronically signed at 11:33 am Thu, 10th Apr 2025