



ACT HEALTH - Calvary Hospital
Department of Radiology
Phone: (02) 6201 6146 Fax: (02) 6201 6145

Patient Name:	FALETIC, RADO	MRN #:	19186684
DOB:	11/02/1976	Admission #:	90566539
SEX:	Male	Pt. Class:	Outpatient
Ward/Room #:		Exam Ordered Date:	22/12/2021 16:28
Referring Dr:	STAPLETON, STUART	Accession #:	10680189

Validated

DATE OF EXAM: 14/01/2022 09:41

Examination: Echocardiogram-Cardiac Function [US]

Clinical History:

Clinical Information: Prolonged lethargy, chest pain and SOBOE after COVID vaccination PH - HTN. LV systolic function?

Findings:

Vital Signs

Height: 1.82 m. Weight: 95.0 kg. BSA: 2.19 m². Normal sinus rhythm. Heart rate: 84 H.B./min.

Procedure

Study quality: adequate.

Conclusion

Mildly dilated LV but overall LV systolic function preserved with LVEF approx 55%. Normal RV systolic function. No significant valvular dysfunction..



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Summary

- Left Ventricle: The left ventricle is mildly dilated. The left ventricular wall thickness is normal. The estimated ejection fraction is 55-60%. Global LV systolic function within the lower limits of normal. GLS -16.2%.
- Left Atrium: The left atrium is normal in size.
- Right Atrium: The right atrium is normal in size.
- Right Ventricle: There is borderline dilation of the right ventricle. Normal systolic function is visualized.
- Aortic Valve: The aortic valve is trileaflet and appears structurally normal. There is no aortic stenosis or regurgitation present.
- Mitral Valve: The mitral valve appears normal in structure and function. Trace amount of mitral regurgitation.
- Tricuspid Valve: The tricuspid valve appears normal in structure and function. Trace amount of tricuspid regurgitation.
- Pulmonic Valve: The pulmonic valve appears normal in structure and function. Trace amount of pulmonic regurgitation is visualized.
- Aorta: There is a normal size of aorta, normal ascending aorta and aortic arch.
- IVC/Hepatic Veins: The inferior vena cava is normal.
- Shunt: There is no evidence of patent foramen ovale shunting.
- Conclusion: Mildly dilated LV but overall LV systolic function preserved with LVEF approx 55%. Normal RV systolic function. No significant valvular dysfunction..

2D and MMode

EF (Simpson BP)	56.5 %	(52.0-72.0)	FS	27.4 %		LA Vol (BP)	55.7 ml	
EDV	179.0 ml	↑ (62.0-150.0)	IVSd	0.80 cm	(0.60-1.00)	LA VolL (BP)	25.42 ml/m ²	(16.00-34.00)
EDVI	81.68 ml/m ²	↑ (34.00-74.00)	LVPWd	0.80 cm	(0.60-1.00)	RVIDd	1.78 cm	
ESV	77.8 ml	↑ (21.0-61.0)	LV Mass-c	197 g	(88-224)	TAPSE	2.47 cm	(≥1.70)
ESVI	35.50 ml/m ²	↑ (11.00-31.00)	LV Massl	90.0 g/m ²	(49.0-115.0)			
LVIDd	6.20 cm	↑ (4.20-5.80)	LVOT diam	2.40 cm				
LVIDd I	2.83 cm/m ²	(2.20-3.00)	Ao Asc diam	3.10 cm	(2.20-3.80)			
LVIDs	4.50 cm	↑ (2.50-4.00)						



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Doppler

PV Vmax	1.04 m/s	MVA (PHT)	4.31 cm ²
PV PGmax	4.33 mm Hg		
LVOT Vmax	0.92 m/s		
LVOT PGmax	3.36 mm Hg		
LVOT VTI	18.6 cm		
AV VTI	28.4 cm		
AV Vmax	1.22 m/s		
AV PGmax	5.95 mm Hg		
AV PGmean	4.00 mm Hg		
AVA (Vmax)	3.40 cm ²		(3.00–4.00)

Aorta

2D

Ao diam systole	3.40 cm	Ao Arch diam	3.00 cm	Ao Arch diam I	1.37 cm/m ²
Ao Asc diam	3.10 cm			Ao Asc diam I	1.41 cm/m ²
	(2.20–3.80)				(1.10–1.90)

MMode

Ao diam systole	3.00 cm	LA diam systole	4.50 cm	AO/LA systole	0.67
LA/AO systole	1.50				
		LA diam systole Index	2.05 cm/m ²		

Diastolic Function

MV E Vel	0.78 m/s	E'(I)	12.10 cm/s	IVRT	85 ms
MV A Vel	0.64 m/s				(60–88)
MV E/A	1.22				
	(0.78–1.78)				
MV Dec. Time	176 ms				
	(143–219)				

Left Ventricle

The left ventricle is mildly dilated. Normal left ventricular wall thickness. The estimated ejection fraction is 55-60%. Global LV systolic function within the lower limits of normal. GLS -16.2%.

Left Atrium

The left atrium cavity size is normal.

Right Atrium

The right atrium cavity size is normal.



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Right Ventricle

The right ventricle cavity size is upper limits of normal. Normal systolic function is visualized.

Aortic Valve

The aortic valve is trileaflet and appears structurally normal. There is no aortic stenosis or regurgitation present.

Mitral Valve

The mitral valve appears normal in structure and function. Trace amount of mitral regurgitation is visualized.

Tricuspid Valve

The tricuspid valve appears normal in structure and function. Trace amount of tricuspid regurgitation is visualized.

Pulmonic Valve

The pulmonic valve appears normal in structure and function. Trace amount of pulmonic regurgitation is visualized.

Pericardium

The pericardium is normal.

Aorta

There is a normal size of aorta, normal ascending aorta and aortic arch.

IVC / Hepatic Veins

The inferior vena cava is normal.

Shunt

There is no evidence of patent foramen ovale shunting.



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Final Cardiologist: Paymard, Mohammad
Final Date/Time: 20/01/2022 15:17
Prelim Report: Craig, Julie-Ann
Prelim Date/Time: 14/01/2022 13:32
Addendum Report: