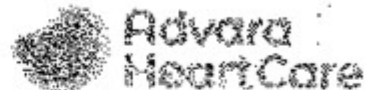


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Echocardiogram

Patient: NEWSOME, Leigh
 Patient ID: 28597509
 DOB: 05/07/1969 (54 yrs)
 Sex: Male

Date: 19/03/2024
 Ht / wt: 188 cm / 100 kg
 BSA: 2.29 BMI: 28.3
 HR: 75

Reported by: Dr Rajika Karunadasa
 Mr Mitchell Hubble

Referred by: Dr Kira Turlakow

Technical Quality: Good

Staff			
Role	Staff Name	Role	Staff Name
Reporting Cardiologist	Karunadasa, Rajika (Dr) [R]	Echocardiographer	Hubble, Mitchell (Mr) [R]

Indications ? LV Function, Arrhythmias
 Resting ECG changes

Presenting Rhythm: Sinus rhythm HR: 75 bpm

Summary

Normal-sized LV with overall normal systolic function. Biplane LVEF 57%, GLS (GE) - 20.0%. Normal LV wall thickness.

Normal diastolic function. Average E/e' 6.

Moderately enlarged LA. LA area 27 cm². LA volume 48 mL/m².

Normal-sized RA. RA area 15 cm². Chiari network noted in right atrium.

Normal-sized RV with normal systolic function. RVs' 12 cm/s.

Minimally thickened trileaflet aortic valve with unrestricted mobility. No aortic regurgitation.

Mildly thickened mitral valve leaflets with unrestricted mobility. Minor mitral bileaflet prolapse. Trivial mitral regurgitation.

Morphologically normal tricuspid valve. Trivial tricuspid regurgitation.

Unable to estimate PA systolic pressure due to insufficient TR.

Normal-sized IVC with greater than 50% inspiratory collapse. Estimated RA pressure 3 mmHg.

Normal pulmonary valve function. Trivial pulmonary regurgitation.

Mildly dilated aortic root (42 mm). Normal-sized ascending aorta (34 mm) and aortic arch (32 mm).

No pericardial effusion.

Conclusions

Normal LV, RV size and systolic function.

Minor mitral bileaflet prolapse with no significant mitral regurgitation.

Mildly dilated aortic root.

MMode / 2D

M Mode / 2D		Index (BSA)			Index (BSA)
LV Diastole (42-58)	58 mm	25.3 mm/m ² (22-30)	LV EDV (62-150)	140 mL	61.1 mL/m ² (34-74)
LV diastole (/Height)	30.9 mm/m		LV ESV (21-61)	60 mL	28.2 mL/m ² (11-31)
IV Septum (6-10)	9 mm		EF (mod Simpson) (52-72)	57 %	Method:
Infarolateral Wall (6-10)	9 mm		LV Stroke Volume	80 mL	34.9 mL/m ² /beat
RWT	0.31 %		Cardiac Output	6 L/min	
Aortic Root (31-37)	42 mm		L4 Area 4 chamber	27 cm ²	
LV Mass (20) (98-200)	203 g	88.6 g/m ² (50-102)	LA Volume	110 mL	48 mL/m ² (16-34)
			RA Area (<=18)	15 cm ²	

Echocardiogram

NEWSOME, Leigh
Sex: M DOB: 05/07/1969 MRN:

Doppler

Pulmonary ValveMax Velocity 1.2 m/sec
Max Gradient 6 mmHgAortic ValveLVOT Diameter 2.8 cm
LVOT VTI 16 cm
LVOT Velocity 0.8 m/sec
Peak Velocity (A) 0.9 m/sec
Peak Gradient (A) 3 mmHg
Mean Gradient (A) 2 mmHg
AV VTI 17 cm
LV Stroke Volume 85 mL
LV Stroke Volume /BSA 37.1 mL/m²
AVA (cont.) 4.8 cm²
AVA Index 2.1 cm²/m²
DPI 0.84
Cardiac Output 6 L/minDiastologyPulmonary VeinsSystolic Velocity 0.41 m/sec
Diastolic Velocity 0.45 m/sec
Atrial Reversal 0.22 m/secMitral Annular TDIMedial E' Velocity 8.64 cm/s
Medial E : e' 6
Lateral E' Velocity 9.07 cm/s
Lateral E : e' 6
Average e' Velocity 8.855 cm/s
Average E:e' 6Mitral ValveE Velocity 0.5 m/sec
A Velocity 0.5 m/sec
E:A Ratio 1.1
Deceleration Time 236 msRV TDI

RV S' (>0.5) 12 cm/sec

Aorta

Aortic Sinuses	42	mm (31-37)	Sinuses /BSA	18.3 mm/m ² (15-19)
Ascending Diameter	34	mm (26-34)	Ascending Diam. /BSA	14.8 mm/m ² (13-17)
Aortic Arch	32	mm (22-36)		

DistributionDr Kira Turlakow
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