

Central Victorian Cardiology
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Echocardiogram

Patient: KOLPA, Andries
Patient ID: 116692
DOB: 26/04/1960 (65 yrs)
Sex: Male

Date: 17/06/2025
Ht / wt: 173 cm / 75 kg
BSA: 1.9 BMI: 25.1
HR: 80

Reported by: Dr Nim Nadarajah
Referred by: Dr Charith Warnakulasuriya

Staff			
Role	Staff Name	Role	Staff Name
Reporting MO	Nadarajah, Nim (Dr) [R]	Sonographer	Smith, Therese (Ms)

Indications AF

Presenting Rhythm: Atrial fibrillation HR: 80 bpm

MMode / 2D / Doppler

M Mode / 2D		Aortic Valve Doppler	
LV Diastole (40-55)	68 mm	LVOT Diameter	2.6 cm
LV diastole /BSA	35.8 mm/m ²	LVOT Integral	13 cm
LV Diastole /Height	39.3 mm/m	LVOT Velocity	0.8 m/sec
LV Systole (20-38)	49 mm	Peak Velocity	1.1 m/sec
LV Systole /BSA	25.8 mm/m ²	Peak Gradient	4.9 mmHg
IV Septum (7-11)	12 mm	Mean Gradient	2.5 mmHg
Inferolateral Wall (7-11)	11 mm	AV VTI	18.6 cm
RWT	0.32 %	LV Stroke Volume	69 mL
TAPSE (>1.5)	2.4 cm	LV Stroke Volume /BSA	36.3 mL/m ²
Aortic Root (22-38)	36 mm	AVA	3.9 cm ²
Asc Aorta	35 mm	AVA Index	2.05 cm ² /m ²
Ejection Fraction (>50%)	52 %	CO	5.7 L/min
EF corrected	62 %	Cardiac Output	6 L/min
Fractional Shortening	27.5 %	Tricuspid Valve Doppler	
LV Mass	365 g	Peak TR Gradient	34 mmHg
LV Mass /BSA	192.1 g/m ²	Peak TR Velocity	2.9 m/sec
2D		RA Pressure	8 mmHg
LA Area 2 chamber (8.8-23.4)	46.9 cm ²	RVSP	42 mmHg
LA Area 4 chamber	48 cm ²	Pulmonary Valve Doppler	
LA Length 2 chamber	7.9 cm	Max Velocity	0.6 m/sec
LA Length 4 chamber	8.3 cm	Max Gradient	1.4 mmHg
LA Volume	236 mL	RV DTI	
LA Volume /BSA (<34)	124.2 mL/m ²	RV s' (>0)	15 cm/sec
RA Area (8.3-19.5)	24.3 cm ²		
LV EDV (62-70)	213 mL		
LV EDV /BSA	122.1 mL/m ²		
LV ESV (14-76)	104 mL		
LV ESV /BSA	54.7 mL/m ²		
EF (mod.Simp)	51 %		
Stroke Volume	109 mL		
LV Stroke Volume /BSA (33-47)	57.4 mL/m ² /beat		
Cardiac Output	9 L/min		

Inferior Vena Cava

IVC Diam. Expiration 2 cm

Aorta

Aortic Sinuses 3.4 cm Sinuses /BSA 1.8 cm/m²
Ascending Diameter 3.5 cm Ascending Diam. /BSA 1.8 cm/m²

Echocardiogram

KOLPA, Andries
Sex: M DOB: 26/04/1960 MRN:**Summary**

Atrial fibrillation.

Mildly thickened LV walls.

Moderate to severely dilated LV size (LVEDV 213ml, LVEDVi 112ml/m²) with borderline normal systolic function. LVEF 51%.

Indeterminate LV diastolic function.

Normal RV size. Systolic function measures normal, appears mildly reduced.

Severely dilated LA. Moderately dilated RA.

Mildly thickened trileaflet aortic valve with no restriction. Trivial aortic regurgitation.

Myxomatous mitral valve with severe mitral valve prolapse. Severe eccentric, anteriorly directed mitral regurgitation.

Normal pulmonary valve and pulmonary artery. Trivial pulmonary regurgitation.

Normal tricuspid valve with good leaflet excursion. Trivial tricuspid regurgitation. Est PASp 34mmHg+RAp [8mmHg].

Non dilated IVC with reduced respiratory variation consistent with RA pressure 8mmHg.

Normal pericardium.

Normal sized ascending aorta, aortic arch and descending thoracic aorta.

Could not rule out PFO/ASD.

Conclusions

Mildly thickened LV walls.

Moderate to severely dilated LV size with borderline normal systolic function.

Severely dilated LA. Moderately dilated RA.

Myxomatous mitral valve with severe mitral valve prolapse. Severe eccentric, anteriorly directed mitral regurgitation.

Mildly elevated estimated pulmonary artery systolic pressure.

Recommendations

Early cardiology review

Distribution

Dr Charith Warnakulasuriya