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Heart Health Rotar

Echocardiogram

Patient:	KOSMANSKY, Michael	Date:	23/01/2025
Patient ID:	7824	Ht / wt:	175 cm / 92 kg
DOB:	01/08/1957 (67 yrs)	BSA:	2.11 BMI: 30
Sex:	Male	HR:	65

Reported by: Dr Lisa Lefkovits
Referred by: Dr Hershel Goldman
Technical Quality: Fair to good
Rhythm: Sinus rhythm with ectopy

Cardiac Sonographer Morrison, Karren (Ms)

Indications

?TIA blackout. PCI May 2022 (Alfred Hospital

MMode / 2D / Doppler

M Mode / 2D		Mitral Valve Doppler		Aortic Valve Doppler	
LV Diastole (4.2-5.6)	5.3 cm	E Velocity	0.8 m/sec	LVOT Diameter	1.9 cm
LV diastole /BSA	2.5 cm/m²	Deceleration Time	163 ms	LVOT Integral	13 cm
LV Systole (2.5-4)	4.6 cm	A Velocity	0.7 m/sec	LVOT Velocity	0.6 m/sec
IV Septum (0.6-1)	1 cm	E:A Ratio	1.2	Peak Velocity	1.9 m/sec
Inferolateral Wall (0.6-1)	1 cm	**Mitral Annular TDI**		Peak Gradient	15 mmHg
RWT	0.38	Medial E' Velocity	8.3 cm/s	Mean Gradient	11 mmHg
Aortic Root (3.1-3.7)	2.6 cm	Medial E : e'	9.3	AV VTI	45 cm
Ejection Fraction (52-72)	27 %	Lateral E' Velocity	8.8 cm/s	LV Stroke Volume	37 mL
LV Mass (2D) (96-200)	200 g	Lateral E : e'	9.1	LV Stroke Volume /BSA	17.5 mL/m²
LV Mass /BSA	94.8 g/m²			AVA	0.8 cm²
				AVA Index	0.38 cm²/m²
				DPI	0.29
				Cardiac Output	2 L/min

Aorta

Aortic Sinuses	2.6 cm (3.1-3.7)		**Sinuses /BSA**	1.2 cm/m²	
Sinotubular	1.9 cm (2.6-3.2)		**Sinotubular Junction /BSA**	0.9 cm/m²	
Ascending Diameter	3 cm (2.6-3.4)		**Ascending Diam. /BSA**	1.4 cm/m²	

Left Ventricle: Dilated LV with moderate to severe systolic dysfunction. Calculated bi-plane EF = 35%. Abnormal septal motion. Normal wall thickness, with sigmoid proximal septum noted.. **Diastolic function:** Indeterminate diastolic function.
Right Ventricle: Normal size and function.
Left atrium: Mildly enlarged (41ml/m2).
Right atrium: Normal size (16cm2).
Aortic valve: Trileaflet calcific valve, mild stenosis in the context of reduced cardiac function. Mean gradient 11mmHg, AVA 1cm2, DDI 29.Trivial regurgitation.
Mitral valve: Mobile leaflets with good opening. Trivial regurgitation.
Pulmonary valve: Normal pulmonary valve function. Trivial regurgitation.
Tricuspid valve: No detectable regurgitation, PA systolic pressure not obtained. Normal IVC size with adequate forced inspiratory collapse.
Aorta: Normal size aortic root and ascending aorta for BSA.
Pericardium: No pericardial effusion. No inter-atrial shunt noted.

Conclusions

1. Dilated LV with moderate to severe systolic dysfunction.
2. Mild left atrial dilatation.
3. Mild aortic stenosis.

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Distribution

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