Specialist Echocardiography Services
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Transthoracic Echocardiogram Report

Patient	SORENTINO, CARLOS NSP MRN: ME00309577					Date	10-06-2025
DOB	26-09-1945	Sex	M			Patient ID	CS260945
Referred by	Dr Stephen Vernon (F: 8319 4844)					Study ID	A2321/25
Height	1.81 m	Weight	110 KG	BSA	2.29 m2	Heart rhythm/rate	SR 62bpm
Indication	ESM, ?AS. Small pulse pressure						

Measurements

LV/Atrial Chamber Size		**Diastology**		**RV Function/Pulmonary HTN**		**Aortic Valve**	
LVIDd:	5.1 cm	E vel:	67 cm/s	RVS' :	-	AV Vmax:	350 cm/s
LVIDs:	3.6 cm	Decel time:	220 ms	TAPSE:	21 mm	AV PG:	49 mmHg
IVSWd:	0.9 cm	A vel:	83 cm/s	RV Frac:	-	AV MG:	27 mmHg
LVPWd:	1.0 cm	E/A:	0.8	PAAT:	114 ms	AV VTI:	83 cm
LA size:	4.9 cm	E' sept:	8.2 cm/s	RV Base:	-	LVOT Vmax:	110 cm/s
EF BP:	-	E' lateral:	9.1 cm/s	RV Mid. :	-	LVOT VTI:	22 cm
LA Area:	20 cm2	E/E' avg:	7.8	RV Length:	-	AVA VTI:	0.91 cm2
LA Vol Ind:	26 ml/m2			TR Vmax:	2.4 m/s	AVAi:	0.39 cm2/m2
RA Area:	21 cm2			RVSP-RA:	24 mmHg	SVi:	33 mL/m2
GLS:	[-]			IVC:	1.6 cm	DVI	0.31
				Collapse=>50%:	[Yes]		
Mitral Valve		**Aorta**		**Tricuspid Valve**		**Pulmonary Valve**	
MV MG:	-	LVOT Diam:	2.1 cm	TV MG:		PV Vmax:	-
PHT:	65 ms	AoRD :	3.9 cm	TV pk E:		PV PG:	-
MVA (PHT):		Asc Aorta:	3.5 cm			Qp:Qs	
		Arch:	-				

Comments

Left Ventricle	Normal left ventricular size and systolic function. Ejection fraction estimated at around 65-70%. No segmental abnormality detected.
LV Wall Thickness	Normal left ventricular wall thickness.
Right Ventricle	Normal right ventricular chamber size and systolic function.
Left Atrium	Upper normal left atrial size.
Right Atrium	Upper normal right atrial size.
Aortic Valve	Trileaflet aortic valve. Markedly thickened and calcified leaflets. Markedly restricted valve opening on 2D eg Clips 81 and 82. Doppler data as in table above. Systolic pressure gradients in the moderate range. Calculated valve area in the severe range. Findings consistent with paradoxical severe aortic stenosis (Low flow, low gradient normal LVEF). SVI 33 ml/m2. DVI 0.31 Trivial aortic regurgitation within normal limits.
Mitral Valve	Mild mitral annular calcification. Mild mitral regurgitation.
Tricuspid Valve	Normal tricuspid valve structure. Trivial tricuspid regurgitation within normal limits.
PASP	PASP 27 mmHg assuming RA pressure of 3 mmHg.
Pulmonary Valve	Normal pulmonary valve structure and function.
Aorta	Mildly dilated aortic root. Normal ascending aortic size.
Pericardium	No pericardial effusion.
Additional Notes	No mass seen. No shunt detected with colour Doppler evaluation. No atrial septal aneurysm.

Conclusions

- Sinus rhythm. 62/min.
- Normal left ventricular size and systolic function. Ejection fraction estimated at around 65-70%. No segmental abnormality detected.
- Normal left ventricular wall thickness.
- Normal right ventricular chamber size and systolic function. Upper normal left atrial size. Upper normal right atrial size.
- Trileaflet aortic valve. Markedly thickened and calcified leaflets. Markedly restricted valve opening on 2D eg Clips 81 and 82. Doppler data as in table above. Systolic pressure gradients in the moderate range. Calculated valve area in the severe range. Findings consistent with paradoxical severe aortic stenosis (Low flow, low gradient normal LVEF). SVI 33 ml/m2. DVI 0.31 Trivial aortic regurgitation within normal limits.
- Mild mitral annular calcification. Mild mitral regurgitation.
- Normal tricuspid valve structure. Trivial tricuspid regurgitation within normal limits. Normal pulmonary artery pressure.
- Mildly dilated aortic root. Normal ascending aortic size.

Cardiologist	Dr Chris Choong	Sonographer:	Jingjing Wu
CC To:	NSP Level 1 (email)		