

ECHOCARDIOGRAM REPORT

PATIENT NAME: Pagdingalan, Ana

BP: 120/80

BSA: 1.54

DATE: Sep. 3, 2025

AGE/GENDER: 70/F

HEIGHT: 143 cm

BIRTHDAY: Aug. 4, 1955

WEIGHT: 65 kg

2D ECHOCARDIOGRAPHY EVALUATION SHEET MEASUREMENTS

		NORMAL VALUES MALE/FEMALE			NORMAL VALUES MALE/FEMALE
IVSTD	0.5	0.6 - 1.0 cm/0.6-0.9 cm	RVOT	2.5	2.5 – 2.9 cm
LVIDd	4.7		PV Annulus	2.0	1.7 – 2.3 cm
LVPWd	0.8	0.6 - 1.0 cm/0.6-1.0 cm	MPA	1.8	1.5 – 2.1 cm
IVSTs	0.6		LA Area (4 chambers)	13.8	
LVIDs	3.0		LA Area (2 chambers)	10.6	
LVPWs	0.9		MV Annulus	2.0	1.8 – 3.1 cm
LVeDV	105.4	62 - 155 ml/96-104 ml	TV Annulus	1.8	1.3 – 2.1 cm
LVeSV	35.8	21-58 ml/19-49 ml	RV Mid	2.7	2.7 – 3.3 cm
SV	69.5	50 - 90	RA	3.3	2.9 – 4.5 cm
FS	36.4	(27 - 45%)	RV FAC	56.2	ED: 6.19 ES: 2.71
EPSS	0.2	< 0.7 cm	TAPSE	2.4	> 1.9
LVOT	2.3	1.8 – 2.4 cm	IVC Diameter	2.3	> 1.5
LA	3.0	2.3 – 4.0 cm	IVC Collapse	51.5	> 50%
Ao Annulus	1.9	1.7 - 2.6 cm	EF M MODE	65.9	> 55%
Ao Sinus	2.5	2.2 - 3.4 cm	EF SIMPSONS	66.2	> 55%
Ao ST junction	2.2	1.7 - 3.4 cm	LV Mass Index	66.9	(45 - 115g/m ²)
Ao Ascending	2.6	2.6 - 3.4 cm	LAVI	26.53	< 28 m/m ² 16 - 28
LVET	312	265 - 325 msec	RWT	0.3	(0.22 - 0.42 cm)

DOPPLER AND HEMODYNAMIC STUDIES

	Velocity E (m/sec)	Peak Gradient E (mmHg)	Velocity A (m/sec)	Peak Gradient A (mmHg)	Regurgitation
MV	78.6	2.4	113.5	5.1	
LVOT	104.3	4.3			
AV	92.7	3.4			
TV	78.2	2.4	58.5	1.3	193.0
PV	65.0	1.6			
PAT	123	IVRT :	264	DECELERATION TIME:	147
TDI Medial	Em: 15.1	Am: 19.0	TDI Lateral	Em: 14.8	Am: 19.7

INTERPRETATION:

Normal left ventricular diameter with a normal left ventricular mass index of 66.9 g/m² and a normal relative wall thickness of 0.30 consistent with normal left ventricular geometry. There is adequate wall motion and contractility.
 Normal systolic function with ejection fraction of 66.2% by Simpson's method.
 Normal right ventricular diameter with adequate wall motion and contractility.
 Normal left and right atrial diameter.
 Thickened anterior mitral valve leaflet without restriction of motion.
 Thickened non-coronary and right coronary aortic cusps without restriction of motion. Aortic annular calcification.
 Structurally normal tricuspid and pulmonic valves.
 Normal aortic root and proximal ascending aorta.
 Normal main pulmonary artery diameter.
 No pericardial effusion.

COLOR FLOW STUDIES:

Tricuspid regurgitation, mild.

Normal estimated pulmonary artery systolic pressure.

Reversed mitral inflow pattern and abnormal mitral annular velocities by tissue Doppler imaging consistent with grade I left ventricular diastolic dysfunction.

CONCLUSION:

Normal left ventricular geometry with normal systolic function. Grade I left ventricular diastolic dysfunction.

Normal right ventricular size and function.

Normal left and right atrial diameter.

Mild tricuspid regurgitation.

Normal estimated pulmonary artery systolic pressure.



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The above-mentioned echocardiographic observations are best interpreted in light of the patient's clinical status and findings from other cardiac examinations.

THIS REPORT MUST BE CLINICALLY CORRELATED BY YOUR ATTENDING PHYSICIAN