HealthLab
Accurate on-time results

16th Floor, Suites 1601 & 1801
Medical Plaza Makati Bldg., Amorsolo
cor. Dela Rosa Sts., Legaspi Village,
Brgy. San Lorenzo, Makati City 1229

TRANSTHORACIC ECHOCARDIOGRAM REPORT

PATIENT NAME: Borazon, Mary Yentl
AGE/GENDER: 39/F
BIRTHDAY: Dec. 16, 1985

BP: 100/70
HEIGHT: 150 cm
WEIGHT: 51.5 kg

BSA: 1.45

DATE: Sep. 12, 2025

2D ECHOCARDIOGRAPHY EVALUATION SHEET MEASUREMENTS					
		NORMAL VALUES MALE/FEMALE			NORMAL VALUES MALE/FEMALE
IVSTD	0.8	0.6 - 1.0 cm/0.6-0.9 cm	**RVOT**	2.0	2.5 – 2.9 cm
LVIDd	4.2		**PV Annulus**	1.9	1.7 – 2.3 cm
LVPWd	0.7	0.6 - 1.0 cm/0.6-1.0 cm	**MPA**	1.8	1.5 – 2.1 cm
IVSTs	0.8		**LA Area (4 chambers)**	9.3	
LVIDs	2.7		**LA Area (2 chambers)**	8.1	
LVPWs	0.7		**MV Annulus**	2.0	1.8 – 3.1 cm
LVeDV	79.0	62 - 155 ml/96-104 ml	**TV Annulus**	1.7	1.3 – 2.1 cm
LVeSV	27.0	21-58 ml/19-49 ml	**RV Mid**	2.8	2.7 – 3.3 cm
SV	52.0	50 - 90	**RA**	3.1	2.9 – 4.5 cm
FS	35.8	(27 - 45%)	**RV FAC**	70.5	**ED: 3.4 ES: 1.0**
EPSS	0.3	< 0.7 cm	**TAPSE**	2.1	> 1.9
LVOT	2.0	1.8 – 2.4 cm	**IVC Diameter**	1.6	> 1.5
LA	2.7	2.3 – 4.0 cm	**IVC Collapse**	59.5	> 50%
Ao Annulus	1.6	1.7 - 2.6 cm	**EF M MODE**	65.8	> 55%
Ao Sinus	1.9	2.2 - 3.4 cm	**EF SIMPSONS**	64.9	> 55%
Ao ST junction	1.5	1.7 - 3.4 cm	**LV Mass Index**	64.1	(45 - 115g/m2)
Ao Ascending	2.6	2.6 - 3.4 cm	**LAVI**	16.1	< 28 m/m² 16 - 28
LVET	300	265 - 325 msec	**RWT**	0.33	(0.22 - 0.42 cm)

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DOPPLER AND HEMODYNAMIC STUDIES					
	Velocity E (m/sec)	**Peak Gradient E (mmHg)**	**Velocity A (m/sec)**	**Peak Gradient A (mmHg)**	**Regurgitation**
MV	88.6	3.1	83.4	2.7	326.3
LVOT	92.6	3.4			
AV	113.7	5.1			
TV	48.1	0.9	44.5	0.7	175.1
PV	79.4	2.5			
PAT		**IVRT :**	234	**DECELERATION TIME:**	153
TDI Medial	**Em: 16.5**	**Am:14.4**	**TDI Lateral**	**Em: 18.6**	**Am: 17.6**

INTERPRETATION:
Normal left ventricular diameter with normal left ventricular mass index and normal relative wall thickness consistent with normal left ventricular geometry. There is adequate wall motion and contractility. Normal systolic function with ejection fraction of 64.9% by Simpson's method.
Normal right ventricular diameter with adequate wall motion and contractility.
Normal left and right atrial diameter.
Structurally normal mitral, aortic, tricuspid and pulmonic valves.
Normal aortic root and proximal ascending aorta.
Normal main pulmonary artery diameter.
No pericardial effusion.

COLOR FLOW STUDIES:
Mitral regurgitation, mild.
Tricuspid regurgitation, mild.
Normal estimated pulmonary artery systolic pressure.
Normal mitral inflow pattern and mitral annular velocities by tissue Doppler imaging consistent with normal left ventricular diastolic function.

CONCLUSION:
Normal left ventricular geometry with normal systolic and diastolic function.
Normal right ventricular size and function.
Normal left and right atrial diameter.
Mild mitral and tricuspid regurgitation.
Normal estimated pulmonary artery systolic pressure.

INTERPRETED BY: SIMEON G. VILLANGCA, MD, FPCP, FPCC
Lic. No. 0131326

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