

2D ECHOCARDIOGRAM WITH DOPPLER REPORT

PID No.: 202600243922

Date: 07-APR-2026

Patient's Name: **ARLYN ABANADOR OGDEN**
Referring Physician: **MA. BARBRA A. DESTAJO, MD**
HR: **100 bpm** BP: **115/72 mmHg**
Study number: **ECHO1-202600**

Age/Sex: **46/F**
DOB: **26-AUG-1979**
BSA: **1.77**
TECH: **CM SALVADOR, RN**

2 DIMENSIONAL

Parameter	Normal Range F/M	Parameter	Normal Range F/M	Parameter	Normal Range F/M
LVEDD	4.23	LVEDV	76	RV (EDA)	19
LVESD	2.63	LVESV	18	RV (ESA)	11
LVEDD/BSA	2.47	SV Bi-plane	58	RVFAC	42%
LVESD/BSA	1.54	C.O.	5.8	LVOT	1.77
IVSD	0.85	CI	3.4	Ao Annulus	1.98
IVSS	1.21	EF Teicholz	68%	Ao Annulus/BSA	1.11
PWD	0.89	EF Simpson's	64%	Ao SOV	2.81
PWS	1.49	EF 3D/4D	-	Ao ST junction	2.24
LV Mass In	65	EF (GLS)	-	Asc Aorta	2.50
LV Rel. WT	0.42	FS	38%	Ao arch	2.55
LA (AP)	3.72	EPSS	0.68	Desc Aorta	2.71
LA/BSA	2.10	LVET	239	MPA	1.55
LA Vol. In	21	RVD mid	3.13	MV Annulus	3.63
Aorta	3.36	RVD/BSA	1.84	TV Annulus	3.24
RA	2.81	RVWT	-	PV Annulus	1.87
RA/BSA	1.65	RVOT	2.61	IVC Diameter	-
RA Vol. In	22	TAPSE	1.90	IVC Collapse	-

DOPPLER STUDY: HEMODYNAMICS

					REGURGITATION				
	Velocity m/sec	Peak Grad mmHg	Valve Area (cm ²)	VTI Cm	VC Cm	%	JET AREA cm ²	Volume ml	Gradient
LVOT/AV	0.97/3.8	1.38/7.6							
Mitral Valve	0.66/1.15	1.74/5.29							1.88/14
Tricuspid Valve	0.64/0.48	1.63/0.92							2.19/19
RVOT/PA	1.12	5.0							
RVAT	127	MPAP(RVAT) mmHg	SPAP (TR Jet) 22 mmHg						
LVSVDoppler		Tricuspid Lateral Annulus S' (m/sec) 0.10m/sec	0.17						

DOPPLER STUDY: DIASTOLIC FUNCTION

PULMONARY VENOUS VELOCITY			MITRAL INFLOW			MITRAL ANNULAR TDI (Diastolic)		
Systolic	0.43	m/sec	E wave DT	301	140-240 msec	Lateral E'	0.13	m/sec
Diastolic	0.37	m/sec	IVRT	88	80-100 msec	A'	0.10	m/sec
S/D ratio			A wave dur	152	msec	Medial E'	0.08	m/sec
Ar Velocity	0.53	m/sec	adur-Adur		msec	A'	0.10	m/sec
Ar Duration	102	msec	Vp		cm/sec	E/E'	7	

(RVWT-RV wall thickness; RVFAC-RV fractional area change)

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2D

Normal left ventricular dimension with normal left ventricular mass index of 65 gm/m² and normal relative wall thickness of 0.42 with normal wall motion, contractility, and systolic function (Ejection Fraction 68% by M-Mode)

Normal left atrial size with normal left atrial volume index of 21 ml/m²

Normal right ventricular dimension with adequate contractility and systolic function (tricuspid annular plane systolic excursion of 1.9 cm and right ventricular fractional area change of 42%)

Normal right atrium, main pulmonary artery, and aortic root dimension

Thickened mitral valve leaflets with no restriction of motion

Structurally normal aortic valve cusps with no restriction of motion

Structurally normal tricuspid and pulmonic valve with no restriction of motion

No intracardiac thrombus. No masses. No pericardial effusion.

DOPPLER

Reversed mitral inflow E/A velocities

E/e' = 7.0

Mitral regurgitation, trivial

Tricuspid regurgitation, mild

Normal pulmonary artery pressure (22 mmHg by tricuspid regurgitation jet)

CONCLUSION

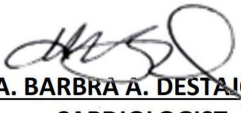
Normal left ventricular dimension with normal wall motion, contractility, and systolic function and but with Doppler evidence of Grade 1 diastolic dysfunction

Trivial mitral regurgitation

Mild tricuspid regurgitation

Normal pulmonary artery pressure

CRISTY M. SALVADOR, RN
CARDIAC SONOGRAPHER


MA. BARBRA A. DESTAJO, MD
CARDIOLOGIST