

TRANSTHORACIC ECHO- DOPPLER REPORT

NAME -MRS VANDHVI	AGE/35 SEX-F
MR. NO. - 18947	DATE 26/3/2022

M-MODE / 2-D DESCRIPTION

- ❖ **Left Ventricle:** No Regional Wall Motion Abnormality. LVEF 60%
- ❖ **Left Atrium:** Normal.
- ❖ **Right atrium:** It is Normal Sized.
- ❖ **Right ventricle:** It is Normal Sized. RV Systolic Function is Normal.
- ❖ **Aortic valve:** Aortic Cusps are Normal.
- ❖ **Mitral valve:** It Appears Normal.
- ❖ **Tricuspid valve:** It Appears Normal.
- ❖ **Pulmonic valve:** It Appears Normal.
- ❖ **Main pulmonary artery & its branches:** Appear Normal.
- ❖ **Pericardium:** No Pericardial Effusion Seen
- ❖ **Inter atrial septum:** It is Intact.
- ❖ **Inter ventricular septum:** It is Intact.
- ❖ **IVC:** It is Normal in Size, collapsing & Respiratory Variability.
- ❖ **Clot / Vegetation:** No Intracardiac Clot, Vegetation.

Measurements (mm):

LEFT HEART			RIGHT HEART		
	Observed values (mm)	Normal values		Observed values (mm)	Normal values
Aortic root	27	20-36 (22mm/M ²)	IVC size	-	17-21mm
Aortic valve opening		15-26 (mm/M ²)	IVC respiratory variability		>50%
LA size	27	19-40 (mm/M ²)	RA size	-	<18cm ²
LA volume index (ml/M ²)		<34 ml/M ²		-	
LVID(D)	60	(ED=37-56)	RV basal		24-42mm
LVID(S)	50		RV mid cavity	-	20-35mm
IVS(D)	8	(ED=6-12)	RV longitudinal	-	56-86mm
			RVOT proximal	-	18-33mm
PW(D)	8	(ED=5-10)	TAPSE	-	>15mm
			RV free wall thickness	-	<5mm
LVEF(%)	60%	55%-70%	RVEF	-	>44%

(This is only professional opinion and not the diagnosis. Please correlate clinically)

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Doppler velocities (cm/sec)

Aortic valve		Pulmonary valve	
Max/ Vel	97	Max velocity	81
Max/ PG		Max PG	
Mitral valve		Tricuspid valve	
E	58	Max Velocity	
A	52	PASP	-
DT	-	E/E' (>6)	-
E/A	-	S' Velocity (>10cm ² /sec)	-

Regurgitation

MR		TR	
Severity	Nil	Severity	Nil
AR		PR	
Severity	Nil	Severity	Nil

Final Interpretation:

- No Regional Wall Motion Abnormality. LVEF 60%
- Normal Cardiac Chamber.
- No MR, No AR, No TR.
- Normal MIP.
- No Vegetation, Pericardial Effusion

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