

TRANSTHORACIC ECHO- DOPPLER REPORT

NAME -MRS TANUSHRI PANDAY	AGE/34 SEX-F
MR. NO. - 18950	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	28	20-36 (22mm/M <sup>2</sup> )	IVC size	-	17-21mm
Aortic valve opening		15-26 (mm/M <sup>2</sup> )	IVC respiratory variability		>50%
LA size	36	19-40 (mm/M <sup>2</sup> )	RA size	-	<18cm <sup>2</sup>
LA volume index (ml/M <sup>2</sup> )		<34 ml/M <sup>2</sup>		-	
LVID(D)	50	(ED=37-56)	RV basal		24-42mm
LVID(S)	42		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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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 (>10cm2/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

**Dr. AJAY DUA**

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Sr. Consultant Interventional Cardiology

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