

Ref. No.:.....

Date:.....

TRANSTHORACIC ECHO-DOPPLER REPORT

Name	- MRS.PUSHPA KUMARI	Age/Sex	- 27 YEARS FEMALE
Regn No.	- 006459	Date	-04/05/2019
Diagnosis	- ECHOCARDIOGRAPHY	OPD NO.-	013242

M-Mode/2 -D Description:

Left Ventricle: No LVRWMA seen, normal LVEF=55%

Left Atrium : It is normal sized.

Right Atrium: It is normal sized.

Right Ventricle: It is normal sized. RV systolic function normal.

Aortic Valve : Aortic cusps normal.

Mitral Valve: It opens normally.

Tricuspid Valve: It appears normal.

Pulmonic Valve: its appears normal.

Main Pulmonary artery& its branches: Appear Normal.

Pericardium: There is no pericardial effusion.

Inter atrial septum: It is intact

Inter ventricular Septum: It is intact.

IVC: Normal size & respiratory variability.

Measurement (mm)

LEFT HEART			RIGHT HEART		
	<u>Observed values (mm)</u>	<u>Normal values</u>		<u>Observed values (mm)</u>	<u>Normal values</u>
Aortic root	26	20-36 (22mm/m2)	IVC size	NORMAL	17-24 mm
Aortic valve opening	18	15-26(mm/m2)	IVC respiratory variability	normal	>50%
La size	19	19-40(mm/m2)	RA size	normal	<18cm2

LA volume index (ml/m ²)		<34ml/m ²		-	
LVID(D)	39	(ED=37-56)	RV basal	-	24-42mm
LVID(S)	29		RV mid cavity	-	20-35mm
IVS(D)	07	(ED=6-12)	RV longitudinal	-	56-86mm
IVS(S)	10		RVOT PROXIMAL	-	18-33mm
PW(D)	06	ED=(5-10)	RVTDI	-	>12cm/sec
PW(S)	10		RV free wall thickness	-	<5mm
LVEF (%)	55%	55%-80%	RVEF	normal	>44%

Doppler velocities (cm/sec)

Aortic valve			Pulmonary valve	
Max/Mean velocity cm/sec	140		Max velocity	normal
Max / PG	7.88 mmHg		Max PG	-
Mitral valve			Tricuspid valve	
E cm/sec	86	Max PG =	Max Velocity cm/sec	226
A cm/sec	44	Max Velocity =	E/A (0.8 -2.1)	-
DT	-	Max PG =	E/E(>6)	-
E/E'	-	Mean Velocity =	S, Velocity(10 cm ² /sec)	-

Regurgitation

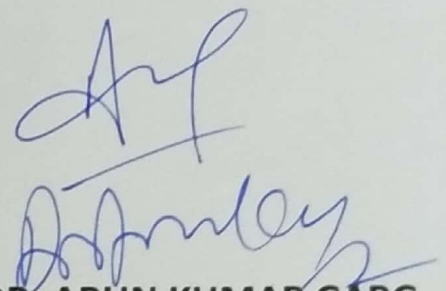
MR		TR	
Severity	TRIVIAL	Severity	MILD
VC(mm)		VC (mm)	
ERO (mm)			
RV (ml)			
Max velocity		RVSP	~ 25mmHg

AR		PR	
Severity	nil	Severity	TRACE
PHT (m sec)			
VC (mm)			

Final Interpretation

Study done at HR of 77 beats per minute.

1. No LVRWMA seen, normal LVEF=55% seen.
2. Rest CCD normal.
3. Trivial MR, MILD TR (RVSP~ 25 mmHg), RV function normal present, TRACE PR.
4. MIP- NORMAL.
5. Aortic cusps normal, nil AR seen. Peak Aortic Velocity around 140 cm/sec.
6. IVC small calibre and respiratory variability >50% Present.
7. No I/C Clot / no Vegetation / no PE seen.



DR. ARUN KUMAR GARG
(MBBS PGDCC FNIC FICC)
(CLINICAL CARDIOLOGIST)