

Patient Name : Ms.NAZREEN Visit No : CHA250046873  
Age/Gender : 27 Y/F Registration ON : 17/Mar/2025 10:59AM  
**Lab No : 10144168** Sample Collected ON : 17/Mar/2025 10:59AM  
Referred By : Dr.HARISH SETH Sample Received ON :  
Refer Lab/Hosp : CHARAK NA Report Generated ON : 17/Mar/2025 01:55PM

**2D- ECHO & COLOR DOPPLER REPORT**

1. MITRAL VALVE STUDY : MVOA – 0.9 cms2( perimetry ) / 0.9 cm2 ( PHT )

**Anterior Mitral Leaflet:**

(a) Motion: restricted (b) Thickness : thickened (c) DE : 1.6 cm.  
(d) EF : 121 mm/sec (e) EPSS : 04 mm (f) Vegetation : -  
(g) Calcium : -

**Posterior mitral leaflet : Thickened**

(a). Motion :paradoxical anterior (b) Calcium: - (c) Vegetation : -  
Valve Score : Mobility 3/4 Thickness 3/4 SVA 3/4  
Calcium /4 Total 09 /16

2. AORTIC VALVE STUDY

(a) Aortic root : 2.3 cms (b) Aortic Opening : 1.3 cms (c) Closure: Central  
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -  
(g) Valve Structure : Tricuspid

3. PULMONARY VALVE STUDY

(a) EF Slope : reduced (b) A Wave : ABSENT (c) MSN : -  
(D) Thickness : (e) Others :

4. TRICUSPID VALVE : Normal

5. SEPTAL AORTIC CONTINUITY

Left Atrium : 3.6 Cms  
Right Atrium : Normal

6. AORTIC MITRAL CONTINUITY

Clot : - Others :  
Clot : - Others : -

Contd.....



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## VENTRICLES

**RIGHT VENTRICLE : Normal**

**RVD (D) cms**

**RVOT**

**LEFT VENTRICLE :**

**LVIVS (D) 0.8 cms (s)1.1 cm**

**LVPW (D) 0.8 cm (s) 1.0cm**

**LVID (D) 3.9cm (s) 2.7 cm**

**Motion : Normal**

**Motion : Normal**

**Ejection Fraction : 57 %**

**Fractional Shortening : 29 %**

## TOMOGRAPHIC VIEWS

**Parasternal Long axis view :**

**RV HYPERTROPHY , DILATED LA**

**FAIR LV CONTRACTILITY**

**MV – THICKENED, DIASTOLIC DOMING +**

**AOV- NORMAL**

**TV – NORMAL**

**PV – NORMAL**

**Short axis view**

**Aortic valve level**

**NO CLOT VEGETATION**

**Mitral valve level :**

**Papillary Muscle Level**

**NO PERICARDIAL EFFUSION**



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PERICARDIUM  
Normal  
**DOPPLER STUDIES**

	Velocity (M/sec)	Flow pattern ( /4)	Regurgitation	Gradient (mm Hg)	Valve area (cm 2)
MITRAL	2.9 2.5	Spectral Broadening	Trivial	Mx=33 Mean= 19	0.9
AORTIC	1.0	-	-	-	-
TRICUSPID	0.5	-	Trivial	-	-
PULMONARY	0.7	-	-	-	-

**OTHER HAEMODYNAMIC DATA**

TR peak vel = 3.5m/sec ; RV-RA PSG =44mmHg ; Expected PASP 54 mmHg

**COLOUR DOPPLER**

TRIVIAL MR  
TRIVIAL TR

**CONCLUSIONS :**

RV HYPERTROPHY DILATED LA

FAIR LV CONTRACTILITY

LVEF = 57 %

SEVERE NON CALCIFIC MITRAL STENOSIS (MVA= 0.9 cm2 ,MV Score= 9/16)

TRIVIAL MR

PAH

TRIVIAL TR

NO PERICARDIAL EFFUSION

NO CLOT VEGETATION

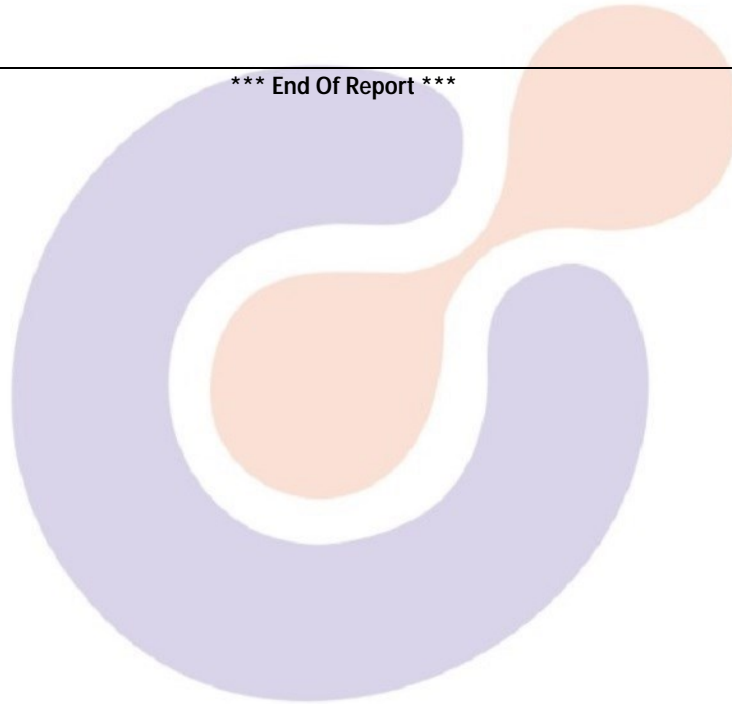
**IMPRESSION :** RHD: SEVERE NON CALCIFIC MITRAL STENOSIS , PAH  
WITH TRIVIAL TR

**DR. PANKAJ E RASTOGI, MD, DM**



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\*\*\* End Of Report \*\*\*



CHARAK

