

Patient Name : Ms.KAMRUN NISHA Visit No : CHA250041564  
Age/Gender : 58 Y/F Registration ON : 08/Mar/2025 08:52AM  
**Lab No : 10138859** Sample Collected ON : 08/Mar/2025 08:52AM  
Referred By : Dr.PANKAJ RASTOGI Sample Received ON :  
Refer Lab/Hosp : CHARAK NA Report Generated ON : 08/Mar/2025 12:04PM

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

1. MITRAL VALVE STUDY : MVOA – 1.9 cms2( perimetry ) / 1.9 cm2 ( PHT )

**Anterior Mitral Leaflet:**

(a) Motion: restricted (b) Thickness : thickened (c) DE : 1.5 cm.  
(d) EF : 38 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 /4 Thickness /4 SVA /4  
Calcium /4 Total /16

2. AORTIC VALVE STUDY

(a) Aortic root : 2.6 cms (b) Aortic Opening : 1.5 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 : 4.7 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) 1.1 cms (s) 1.6 cm**

**LVPW (D) 1.0 cm (s) 1.5cm**

**LVID (D) 3.9cm (s) 2.1 cm**

**Motion : Normal**

**Motion : Normal**

**Ejection Fraction : 77 %**

**Fractional Shortening : 45 %**

### TOMOGRAPHIC VIEWS

**NORMAL LV,RV DIMENSIONS  
GOOD LV CONTRACTILITY**

**Parasternal Long axis view :**

**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	1.3 1.7	Spectral Broadening	Trivial	Mx=7.2 Mean= 4.4	1.9
AORTIC	1.6		1	-	-
TRICUSPID	0.5	-	1	-	-
PULMONARY	0.7	-	-	-	-

**OTHER HAEMODYNAMIC DATA**

TR peak vel = 2.4m/sec ; RV-RA PSG = 23mmHg ; Expected PASP = 33 mmHg

**COLOUR DOPPLER**

TRIVIAL MR  
GR I / IV AR  
GR I / IV TR

**CONCLUSIONS :**

**NORMAL LV,RV DIMENSIONS**

**GOOD LV CONTRACTILITY**

**LVEF = 77%**

**MILD NON CALCIFIC MITRAL STENOSIS (MVA= 1.9 cm2 )**

**TRIVIAL MR**

**MILD AR**

**MILD TR**

**NO PERICARDIAL EFFUSION**

**NO CLOT VEGETATION**

**IMPRESSION : RHD: MILD NON CALCIFIC MITRAL STENOSIS WITH  
MILD AR WITH MILD TR**

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

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



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