

Patient Name	: Ms.NEHA SINGH	Visit No	: CHA250045251
Age/Gender	: 38 Y/F	Registration ON	: 13/Mar/2025 01:35PM
<b>Lab No</b>	<b>: 10142546</b>	Sample Collected ON	: 13/Mar/2025 01:35PM
Referred By	: Dr.RAJIV RASTOGI	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 13/Mar/2025 05:30PM

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

1. MITRAL VALVE STUDY : MVOA - Normal (perimetry) cm2 (PHT)

**Anterior Mitral Leaflet:**

- (a) Motion: Normal (b) Thickness : Normal (c) DE : 2.2 cm.  
(d) EF 51 mm/sec (e) EPSS : 06 mm (f) Vegetation : -  
(g) Calcium : -

**Posterior mitral leaflet : Normal**

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

2. AORTIC VALVE STUDY

- (a) Aortic root :3.3ms (b) Aortic Opening :1.8cms (c) Closure: Central  
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -  
(g) Valve Structure : Tricuspid, Normal

3. PULMONARY VALVE STUDY

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

4. TRICUSPID VALVE : Normal

5. SEPTAL AORTIC CONTINUITY 6. AORTIC MITRAL CONTINUITY

- Left Atrium : 4.1 cms Clot : - Others :  
Right Atrium : Normal Clot : - Others : -

Contd.....



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**VENTRICLES**

**RIGHT VENTRICLE** : Normal

**RVD (D)**  
**RVOT**

**LEFT VENTRICLE** :

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

**Motion** : normal

**LVPW (D)** 0.6cm (s) 1.3 cm

**Motion** : Normal

**LVID (D)** 4.3 cm (s)2.6 cm

**Ejection Fraction** :68%

**Fractional Shortening** : 38 %

**TOMOGRAPHIC VIEWS**

**Parasternal Long axis view** :

DILATED LA  
GOOD LV CONTRACTILITY.

**Short axis view**

**Aortic valve level** :

AOV - NORMAL  
**PV - NORMAL**  
TV - NORMAL

**Mitral valve level** :

MV - NORMAL

**Papillary Muscle Level** :

NO RWMA

**Apical 4 chamber View** :

No LV CLOT



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**PERICARDIUM**

Normal

**DOPPLER STUDIES**

	Velocity (m/sec)	Flow pattern	Regurgitation ( /4)	Gradient (mm Hg)	Valve area (cm 2)
MITRAL	e = 1.3 a = 1.4	Normal	3	-	-
AORTIC	1.5	Normal	-	-	-
TRICUSPID	0.4	Normal	1	-	-
PULMONARY	0.8	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

GR III/IV MR, Jet area 9.5 cm2  
GR I/IV TR

**CONCLUSIONS :**

- DILATED LA
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 68 %
- SEVERE MR
- MILD TR
- MILD PAH (PASP = 30 mmHg )
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – RHD - SEVERE MR , MILD TR WITH MILD PAH**

**DR. RAJIV RASTOGI, MD,DM**



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

