

Patient Name	: Ms.NOOR JAHAN	Visit No	: CHA250033146
Age/Gender	: 78 Y/F	Registration ON	: 24/Feb/2025 12:10PM
<b>Lab No</b>	<b>: 10130442</b>	Sample Collected ON	: 24/Feb/2025 12:10PM
Referred By	: Dr.PRASHANT NATU	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 24/Feb/2025 07:33PM

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

1. MITRAL VALVE STUDY : MVOA - 1.36 cm<sup>2</sup> (perimetry) 1.8 cm<sup>2</sup> (PHT)

**Anterior Mitral Leaflet:**

- (a) Motion: Normal (b) Thickness : THICK (c) DE : 1.4 cm.  
(d) EF 25 mm/sec (e) EPSS : 10 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 :2.7cms (b) Aortic Opening :1.7cms (c) Closure: Central  
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -

(g) Valve Structure : Tricuspid,

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 : 4.8 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)** 0.8cm (s) 1.4 cm

**Motion** : Normal

**LVID (D)** 5.8 cm (s) 3.9 cm

**Ejection Fraction** :59%

**Fractional Shortening** :31 %

TOMOGRAPHIC VIEWS

**Parasternal Long axis view** :

DILATED LA & LV  
GOOD LV CONTRACTILITY.

**Short axis view**

**Aortic valve level** :

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

**Mitral valve level** :

MV - THICK , DOMING+

**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 ( /4)	Regurgitation	Gradient (mm Hg)	Valve area (cm <sup>2</sup> )
MITRAL	e = 2.8 a = 1.0	Normal	3	-	-
AORTIC	2.6	Normal	2	Mx=28	-
TRICUSPID	0.3	Normal	1	-	-
PULMONARY	0.8	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

GR III/IV MR, jet area 8.7 cm<sup>2</sup>  
GR II/IV AR  
GR I/IV TR

**CONCLUSIONS :**

- DILATED LA & LV
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 59 %
- SEVERE MR
- MODERATE MITRAL STENOSIS (MVA- 1.8 cm<sup>2</sup>)
- MODERATE AR
- MILD AORTIC STENOSIS (PSG = 28 mmHg)
- MILD TR
- MILD PAH (PASP = 45 mmHg)
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – RHD -SEVERE MR , MODERATE MITRAL STENOSIS , MODERATE AR ,  
MILD AORTIC STENOSIS , MILD TR WITH MILD PAH**

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



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

