

Patient Name	: Mr.MOHD TAUHEED	Visit No	: CHA250037929
Age/Gender	: 29 Y/M	Registration ON	: 03/Mar/2025 09: 34AM
Lab No	: 10135224	Sample Collected ON	: 03/Mar/2025 09: 34AM
Referred By	: Dr.PANKAJ RASTOGI	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 03/Mar/2025 10: 41AM

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 : 1.6 cm.
(d) EF 42 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 :2.4cms (b) Aortic Opening :1.2cms (c) Closure: Central
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -
(g) Valve Structure : THICK , TRICUSPID NON CALCIFIC DOMING+

3. PULMONARY VALVE STUDY Normal

- (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 : 3.3 cms Clot : - Others :
Right Atrium : Normal Clot : - Others : -

Contd.....



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VENTRICLES

RIGHT VENTRICLE : Normal

**RVD (D)
RVOT**

LEFT VENTRICLE :

LVIVS (D) 1.3 cm (s) 1.5 cm

Motion : normal

LVPW (D) 1.2cm (s) 1.5 cm

Motion : Normal

LVID (D) 4.1cm (s) 2.2 cm

Ejection Fraction :78%

Fractional Shortening : 46 %

TOMOGRAPHIC VIEWS

Parasternal Long axis view :

**CONCENTRIC LVH
GOOD LV CONTRACTILITY.**

Short axis view

Aortic valve level :

**AOV - THICK , TRICUSPID NON CALCIFIC DOMING+
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 (/4)	Regurgitation	Gradient (mm Hg)	Valve area (cm 2)
MITRAL e = 0.9 a = 0.4	Normal	-	-	-
AORTIC 5.1	Normal	2	Mx=106 Mean= 53	-
TRICUSPID 0.4	Normal	-	-	-
PULMONARY 0.7	Normal	-	-	-

OTHER HAEMODYNAMIC DATA

COLOUR DOPPLER

GR II/IV AR

CONCLUSIONS :

- CONCENTRIC LVH
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 78 %
- SEVERE AORTIC STENOSIS (PSG = 106 mmHg)
- MODERATE AR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

OPINION – SEVERE AORTIC STENOSIS WITH MODERATE AR

DR. PANKAJ RASTOGI, MD,DM

*** End Of Report ***

