

Patient Name : Mr.DHARAM RAJ Visit No : CHA250038172
Age/Gender : 29 Y/M Registration ON : 03/Mar/2025 01:04PM
Lab No : 10135467 Sample Collected ON : 03/Mar/2025 01:04PM
Referred By : Dr.P2 Sample Received ON :
Refer Lab/Hosp : CHARAK NA Report Generated ON : 03/Mar/2025 04:22PM

2D- ECHO & COLOR DOPPLER REPORT

1. MITRAL VALVE STUDY : MVOA – 0.7 cms2(perimetry) / 0.8 cm2 (PHT)

Anterior Mitral Leaflet:

(a) Motion: restricted (b) Thickness : thickened (c) DE : 1.7 cm.
(d) EF : 105 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 : 2.7 cms (b) Aortic Opening : 1.7 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 : 4.5 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) 0.7 cms (s) 1.2 cm

LVPW (D) 0.7 cm (s) 1.2cm

LVID (D) 4.5cm (s) 2.9 cm

Motion : Normal

Motion : Normal

Ejection Fraction : 63 %

Fractional Shortening : 33 %

TOMOGRAPHIC VIEWS

Parasternal Long axis view :

DILATED LA

GOOD LV CONTRACTILITY

MV – THICKENED, DIASTOLIC DOMING +

AOV- NORMAL

Short axis view

TV – NORMAL

PV – NORMAL

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	Regurgitation (/4)	Gradient (mm Hg)	Valve area (cm ²)
MITRAL	2.3 1.6	Spectral Broadening	1	Mx=21 Mean= 11	-
AORTIC	1.1	-	-	-	-
TRICUSPID	0.5	-	1	-	-
PULMONARY	0.9	-	-	-	-

OTHER HAEMODYNAMIC DATA

COLOUR DOPPLER

GR I/IV MR
GR I/IV TR

CONCLUSIONS :

DILATED LA
GOOD LV CONTRACTILITY
LVEF = 63 %
SEVERE CALCIFIC MITRAL STENOSIS (MVA= 0.8 cm²)
MILD MR
MILD TR
MILD PAH (PASP =47 mmHg)
NO PERICARDIAL EFFUSION
NO CLOT VEGETATION

IMPRESSION : RHD: SEVERE CALCIFIC MITRAL STENOSIS , MILD MR ,
MILD TR WITH MILD PAH

DR. RAJIV RASTOGI, MD, DM



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*** End Of Report ***

