

Patient Name : Mr. SURESH KUMAR Visit No : CHA250038350
Age/Gender : 68 Y O M O D /M Registration ON : 03/Mar/2025 03:39PM
Lab No : 10135645 Sample Collected ON : 03/Mar/2025 03:39PM
Referred By : Dr. NORTHERN RAILWAY Sample Received ON :
Refer Lab/Hosp : NORTHERN RAILWAY LKO Report Generated ON : 03/Mar/2025 04:37PM

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 : 1.8 cm.
(d) EF 41 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 2.8cms (b) Aortic Opening :1.7cms (c) Closure: Central
(d) Calcium : - (e) Eccentricity Index : 1 (f) Vegetation : -

(g) Valve Structure : Tricuspid,

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 :2.9 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) 1.5 cm

Motion : normal

LVPW (D) 0.8cm (s) 1.7 cm

Motion : Normal

LVID (D) 4.3 cm (s) 2.6cm

Ejection Fraction :70%

Fractional Shortening :40 %

TOMOGRAPHIC VIEWS

Parasternal Long axis view :

NORMAL LV RV DIMENSION
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 (/4)	Regurgitation	Gradient (mm Hg)	Valve area (cm ²)
MITRAL	e = 0.4 a = 0.6	a > e	-	-	-
AORTIC	1.2	Normal	-	-	-
TRICUSPID	0.3	Normal	-	-	-
PULMONARY	1.0	Normal	-	-	-

OTHER HAEMODYNAMIC DATA

COLOUR DOPPLER

NO REGURGITATION OR TURBULENCE ACROSS ANY VALVE

CONCLUSIONS :

- NORMAL LV RV DIMENSION
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 70 %
- NO RWMA
- a > e
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

DR. RAJIV RASTOGI, MD,DM

*** End Of Report ***

