

Patient Name : Mr. KULDEEP SINGH Visit No : CHA250042334  
Age/Gender : 52 Y/M Registration ON : 09/Mar/2025 10:41AM  
**Lab No : 10139629** Sample Collected ON : 09/Mar/2025 10:41AM  
Referred By : Dr. ESIC HOSPITAL LUCKNOW Sample Received ON :  
Refer Lab/Hosp : ESIC HOSPITAL LUCKNOW Report Generated ON : 09/Mar/2025 11:07AM

**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 : 2.0 cm.  
(d) EF 69 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 1.4cms (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 : 3.5 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) 1.3 cm

Motion : normal

LVPW (D) 0.9cm (s) 1.4 cm

Motion : Normal

LVID (D) 4.4cm (s) 2.5 cm

Ejection Fraction :72%

Fractional Shortening : 41 %

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<br>(m/sec) | Flow pattern<br>( /4) | Regurgitation | Gradient<br>(mm Hg) | Valve area<br>(cm <sup>2</sup> ) |
|-----------|---------------------|-----------------------|---------------|---------------------|----------------------------------|
| MITRAL    | e = 0.5<br>a = 0.6  | a > e                 | -             | -                   | -                                |
| AORTIC    | 1.0                 | Normal                | -             | -                   | -                                |
| TRICUSPID | 0.4                 | Normal                | -             | -                   | -                                |
| PULMONARY | 0.7                 | Normal                | -             | -                   | -                                |

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

**NO REGURGITATION OR TURBULENCE ACROSS ANY VALVE**

**CONCLUSIONS :**

- NORMAL LV RV DIMENSION
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 72 %
- NO RWMA
- a > e
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**DR. PANKAJ RASTOGI MD.DM**

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

