

Patient Name	: Mr. ISRAR KHAN	Visit No	: CHA250037877
Age/Gender	: 43 Y/M	Registration ON	: 03/Mar/2025 07:50AM
<b>Lab No</b>	<b>: 10135172</b>	Sample Collected ON	: 03/Mar/2025 07:50AM
Referred By	: Dr.P2	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 03/Mar/2025 12:14PM

**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 : 1.2 cm.  
(d) EF 75 mm/sec (e) EPSS : 11 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 :2.9cms (b) Aortic Opening :1.3cms (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 : 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)** 1.0 cm (s) 1.5 cm

**Motion** : normal

**LVPW (D)** 1.0cm (s) 1.4 cm

**Motion** : Normal

**LVID (D)** 4.9 cm (s)3.3 cm

**Ejection Fraction** :61%

**Fractional Shortening** :33%

*TOMOGRAPHIC VIEWS*

**Parasternal Long axis view** :

NORMAL LV RV DIMENSION  
GOOD LV CONTRACTILITY.

**Short axis view**

**Aortic valve level** :

AOV - THICK, NON CALCIFIC ? BICUSPID

**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 <sup>2</sup> )
MITRAL	e = 0.6 a = 1.0	a > e	-	-	-
AORTIC	2.7	Normal	1	Mx=30 Mean = 16	-
TRICUSPID	0.4	Normal	-	-	-
PULMONARY	1.1	Normal	-	-	-

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

GR I/IV AR

**CONCLUSIONS :**

- NORMAL LV RV DIMENSION
- GOOD LV SYSTOLIC FUNCTION
- LVEF = 61 %
- MILD AORTIC STENOSIS (PSG = 30 mmHg)
- MILD AR
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – MILD AORTIC STENOSIS WITH MILD AR ; BICUSPID AOV**

**DR. PANKAJ RASTOGI, MD,DM**



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**ULTRASOUND STUDY OF WHOLE ABDOMEN**

- **Liver** is moderately enlarged in size (~181mm) and shows increased echotexture of liver parenchyma. No intrahepatic biliary radicle dilatation is seen. No space occupying lesion is seen. Hepatic veins and IVC are seen normally.
- **Gall bladder** is normal in size and shows anechoic lumen. No calculus / mass lesion is seen. **GB wall is thickened measuring approx 5.8mm.**
- **CBD** is normal at porta. No obstructive lesion is seen.
- **Portal vein** Portal vein is normal at porta.
- **Pancreas** is normal in size and shows homogenous echotexture of parenchyma. PD is not dilated. No parenchymal calcification is seen. No peripancreatic collection is seen.
- **Spleen** is normal in size and shows homogenous echotexture of parenchyma. No SOL is seen.
- No retroperitoneal adenopathy is seen.
- No ascites is seen.
- **Both kidneys** are normal in size and position. No hydronephrosis is seen. No calculus or mass lesion is seen. Cortico-medullary differentiation is well maintained. Parenchymal thickness is normal. No scarring is seen. Right kidney measures 117 x 52 mm in size. Left kidney measures 120 x 59 mm in size.
- **Ureters** Both ureters are not dilated. UVJ are seen normally.
- **Urinary bladder** is normal in contour with anechoic lumen. No calculus or mass lesion is seen. UB walls are not thickened.
- Bilateral seminal vesicles are seen normally.
- **Prostate** is enlarged in size, measures 40 x 38 x 37 mm with weight of 30gms and shows homogenous echotexture of parenchyma. No mass lesion is seen.

**OPINION:**

- **MODERATE HEPATOMEGALY WITH FATTY INFILTRATION OF LIVER GRADE-II WITH THICKENED EDEMATOUS GB WALL (ADV: FIBRO SCAN / LFT).**
- **PROSTATOMEGALY GRADE-I.**

Clinical correlation is necessary.

([DR. R. K. SINGH, MD])

Transcribed by Gausiya

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

