

Patient Name	: Mr. IMRAN	Visit No	: CHA250035614
Age/Gender	: 30 Y/M	Registration ON	: 27/Feb/2025 03:42PM
Lab No	: 10132910	Sample Collected ON	: 27/Feb/2025 03:42PM
Referred By	: Dr. GUFRAN RASHID	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 27/Feb/2025 06:30PM

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 : 2.3 cm.
(d) EF 137 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 : 2.7cms (b) Aortic Opening : 1.7cms (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 : 2.8 cms Clot : - Others :
Right Atrium : Normal Clot : - Others : -

Contd.....



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VENTRICLES

RIGHT VENTRICLE : Normal

RVD (D)
RVOT

LEFT VENTRICLE :

LVIVS (D) 0.7 cm (s) 1.4 cm

Motion : normal

LVPW (D) 0.7cm (s) 1.2 cm

Motion : Normal

LVID (D) 5.1 cm (s) 3.4 cm

Ejection Fraction : 62%

Fractional Shortening : 33%

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 = 0.9 a = 0.5	Normal	-	-	-
AORTIC	1.3	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 = 62 %
- NO RWMA
- ALL VALVES NORMAL
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

CHARAK

OPINION – NORMAL 2D-ECHO & COLOUR DOPPLER STUDY

DR. RAJIV RASTOGI, MD,DM



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ULTRASOUND STUDY OF UPPER ABDOMEN

- **Liver** is mildly enlarged in size (~171m) 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 partially distended (post prandial) and shows an echogenic focus of size approx 4.5 x 2.5mm at GB neck region - Microcholelithiasis.
- **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. A tiny concretion is seen at mid pole of right kidney measuring approx 2.8mm. No mass lesion is seen. Cortico-medullary differentiation is well maintained. Parenchymal thickness is normal. No scarring is seen. Right kidney measures 102 x 43 mm in size. Left kidney measures 106 x 45 mm in size.

IMPRESSION:

- MILD HEPATOMEGALY WITH FATTY INFILTRATION OF LIVER GRADE-I.
- AN ECHOGENIC FOCUS AT GB NECK REGION - MICROCHOLELITHIASIS.
- TINY RIGHT RENAL CONCRETION.

Clinical correlation is necessary.

[DR. R. K. SINGH, MD]

Transcribed by Gausiya

*** End Of Report ***

