

|   |   |
|---|---|
| Patient Name : Ms.SABA BANO   | Visit No : CHA250041768                   |
| Age/Gender : 18 Y/F   | Registration ON : 08/Mar/2025 12:04PM     |
| <b>Lab No : 10139063</b>  | Sample Collected ON : 08/Mar/2025 12:07PM |
| Referred By : Dr.RAJIV RASTOGI  | Sample Received ON : 08/Mar/2025 12:21PM  |
| Refer Lab/Hosp : CHARAK NA  | Report Generated ON : 08/Mar/2025 02:03PM |
| Doctor Advice : 2D ECHO,LFT,NA+K+,CREATININE,RANDOM,CBC (WHOLE BLOOD) |   |



| Test Name                           | Result       | Unit    | Bio. Ref. Range | Method                   |
|-------------------------------------|--------------|---------|-----------------|--------------------------|
| <b>CBC (COMPLETE BLOOD COUNT)</b>   |              |         |                 |                          |
| Hb                                  | <b>10.0</b>  | g/dl    | 12 - 15         | Non Cyanide              |
| R.B.C. COUNT                        | 4.30         | mil/cmm | 3.8 - 4.8       | Electrical Impedence     |
| PCV                                 | <b>33.1</b>  | %       | 36 - 45         | Pulse hieght detection   |
| MCV                                 | <b>77.7</b>  | fL      | 80 - 96         | calculated               |
| MCH                                 | <b>23.5</b>  | pg      | 27 - 33         | Calculated               |
| MCHC                                | 30.2         | g/dL    | 30 - 36         | Calculated               |
| RDW                                 | <b>17.7</b>  | %       | 11 - 15         | RBC histogram derivation |
| RETIC                               | 0.7 %        | %       | 0.5 - 2.5       | Microscopy               |
| TOTAL LEUCOCYTES COUNT              | <b>10560</b> | /cmm    | 4000 - 10000    | Flocytometry             |
| <b>DIFFERENTIAL LEUCOCYTE COUNT</b> |              |         |                 |                          |
| NEUTROPHIL                          | 64           | %       | 40 - 75         | Flowcytometry            |
| LYMPHOCYTES                         | 26           | %       | 25 - 45         | Flowcytometry            |
| EOSINOPHIL                          | 6            | %       | 1 - 6           | Flowcytometry            |
| MONOCYTE                            | 4            | %       | 2 - 10          | Flowcytometry            |
| BASOPHIL                            | <b>0</b>     | %       | 00 - 01         | Flowcytometry            |
| PLATELET COUNT                      | 180,000      | /cmm    | 150000 - 450000 | Elect Imped..            |
| PLATELET COUNT (MANUAL)             | 180000       | /cmm    | 150000 - 450000 | Microscopy .             |
| Absolute Neutrophils Count          | 6,758        | /cmm    | 2000 - 7000     | Calculated               |
| Absolute Lymphocytes Count          | 2,746        | /cmm    | 1000-3000       | Calculated               |
| Absolute Eosinophils Count          | 634          | /cmm    | 20-500          | Calculated               |
| Absolute Monocytes Count            | 422          | /cmm    | 200-1000        | Calculated               |
| Mentzer Index                       | 18           |         |                 |                          |
| Peripheral Blood Picture            | :            |         |                 |                          |

Red blood cells are microcytic hypochromic with anisocytosis+. Platelets are adequate. No immature cells or parasite seen.



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Referred By : Dr.RAJIV RASTOGI Sample Received ON : 08/Mar/2025 12:21PM  
Refer Lab/Hosp : CHARAK NA Report Generated ON : 08/Mar/2025 01:39PM  
Doctor Advice : 2D ECHO,LFT,NA+K+,CREATININE,RANDOM,CBC (WHOLE BLOOD)



| Test Name                      | Result        | Unit  | Bio. Ref. Range | Method                   |
|--------------------------------|---------------|-------|-----------------|--------------------------|
| <b>BLOOD SUGAR RANDOM</b>      |               |       |                 |                          |
| BLOOD SUGAR RANDOM             | 75.0          | mg/dl | 70 - 170        | Hexokinase               |
| <b>NA+K+</b>                   |               |       |                 |                          |
| SODIUM Serum                   | 137.0         | MEq/L | 135 - 155       | ISE Direct               |
| POTASSIUM Serum                | 4.0           | MEq/L | 3.5 - 5.5       | ISE Direct               |
| <b>SERUM CREATININE</b>        |               |       |                 |                          |
| CREATININE                     | 0.60          | mg/dl | 0.50 - 1.40     | Alkaline picrate-kinetic |
| <b>LIVER FUNCTION TEST</b>     |               |       |                 |                          |
| TOTAL BILIRUBIN                | <b>1.75</b>   | mg/dl | 0.4 - 1.1       | Diazonium Ion            |
| CONJUGATED ( D. Bilirubin)     | <b>0.38</b>   | mg/dL | 0.00-0.30       | Diazotization            |
| UNCONJUGATED ( I.D. Bilirubin) | <b>1.37</b>   | mg/dL | 0.1 - 1.0       | Calculated               |
| ALK PHOS                       | <b>185.60</b> | U/L   | 55 - 149        | PNPP, AMP Buffer         |
| SGPT                           | 24.0          | U/L   | 5 - 40          | UV without P5P           |
| SGOT                           | 27.0          | U/L   | 5 - 40          | UV without P5P           |

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

CHARAK



[Checked By]



DR. NISHANT SHARMA  
PATHOLOGIST

DR. SHADAB  
PATHOLOGIST

*Dr. Aditi D Agarwal*  
DR. ADITI D AGARWAL  
PATHOLOGIST

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## 2D- ECHO & COLOR DOPPLER REPORT

1. MITRAL VALVE STUDY : MVOA – 2.0 cms2( perimetry ) / 1.85 cm2 ( PHT )

### Anterior Mitral Leaflet:

(a) Motion: restricted                      (b) Thickness : thickened                      (c) DE : 1.7 cm.  
 (d) EF : 43 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 : 2.3 cms                      (b) Aortic Opening : 1.6 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 : 3.4 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) 0.8 cms (s) 1.3 cm**

**Motion : Normal**

**LVPW (D) 0.8 cm (s) 1.4cm**

**Motion : Normal**

**LVID (D) 4.2cm (s) 2.5 cm**

**Ejection Fraction : 71%**

**Fractional Shortening : 40 %**

## TOMOGRAPHIC VIEWS

**Parasternal Long axis view :**

**DILATED LA , RV HYPERTROPHY**

**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<br>(M/sec) | Flow pattern<br>( /4)  | Regurgitation | Gradient<br>(mm Hg) | Valve area<br>(cm 2) |
|-----------|---------------------|------------------------|---------------|---------------------|----------------------|
| MITRAL    | 2.9<br>3.1          | Spectral<br>Broadening | 3             | -                   | -                    |
| AORTIC    | 1.0                 |                        | -             | -                   | -                    |
| TRICUSPID | 0.5                 | -                      | 2             | -                   | -                    |
| PULMONARY | 0.9                 | -                      | -             | -                   | -                    |

**OTHER HAEMODYNAMIC DATA**

**COLOUR DOPPLER**

GR III/IV MR, MR jet area = 12 cm<sup>2</sup>  
GR II/IV TR

**CONCLUSIONS :**

**DILATED LA , RV HYPERTROPHY**  
**GOOD LV CONTRACTILITY**  
**LVEF = 71 %**  
**SEVERE MR**  
**MILD MITRAL STENOSIS (MVA= 2.0cm<sup>2</sup>)**  
**MODERATE TR**  
**SEVERE PAH (PASP = 89 mmHg )**  
**NO PERICARDIAL EFFUSION**  
**NO CLOT VEGETATION**

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

**DR. RAJIV RASTOGI, MD, DM**



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