

Patient Name : Ms.SANIYA ALI	Visit No : CHA250037483
Age/Gender : 19 Y/F	Registration ON : 02/Mar/2025 09:33AM
<b>Lab No : 10134778</b>	Sample Collected ON : 02/Mar/2025 09:34AM
Referred By : Dr.YUSUF ANSARI	Sample Received ON : 02/Mar/2025 09:56AM
Refer Lab/Hosp : CHARAK NA	Report Generated ON : 02/Mar/2025 11:23AM
Doctor Advice : NA+K+,CREATININE,UREA,LFT,CBC (WHOLE BLOOD),2D ECHO,25 OH vit. D,VIT B12,ECG	



Test Name	Result	Unit	Bio. Ref. Range	Method
<b>25 OH vit. D</b>				
25 Hydroxy Vitamin D	15.82	ng/ml		ECLIA

Deficiency < 10  
Insufficiency 10 - 30  
Sufficiency 30 - 100  
Toxicity > 100

DONE BY: ELECTROCHEMILUMINESCENCE IMMUNOASSAY( Cobas e 411,Unicel DxI600,vitros ECI)

<b>VITAMIN B12</b>				
VITAMIN B12	105	pg/mL	180 - 814 Normal 145 - 180 Intermediate 145.0 Deficient pg/ml	CLIA

**Summary :-**

Nutritional & macrocytic anemias can be caused by a deficiency of vitamin B12. This deficiency can result from diets devoid of meat & bacterial products, from alcoholism or from structural / functional damage to digestive or absorptive processes. Malabsorption is the major cause of this deficiency.

**CHARAK**

[Checked By]

Print.Date/Time: 02-03-2025 14:55:14

\*Patient Identity Has Not Been Verified. Not For Medicolegal



*Sharma*

DR. NISHANT SHARMA DR. SHADAB Dr. SYED SAIF AHMAD  
PATHOLOGIST PATHOLOGIST MD (MICROBIOLOGY)

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Test Name	Result	Unit	Bio. Ref. Range	Method
<b>CBC (COMPLETE BLOOD COUNT)</b>				
Hb	10.1	g/dl	12 - 15	Non Cyanide
R.B.C. COUNT	3.90	mil/cmm	3.8 - 4.8	Electrical Impedence
PCV	33.4	%	36 - 45	Pulse hieght detection
MCV	86.3	fL	80 - 96	calculated
MCH	26.1	pg	27 - 33	Calculated
MCHC	30.2	g/dL	30 - 36	Calculated
RDW	16.6	%	11 - 15	RBC histogram derivation
RETIC	0.8 %	%	0.5 - 2.5	Microscopy
TOTAL LEUCOCYTES COUNT	7200	/cmm	4000 - 10000	Flocytometry
<b>DIFFERENTIAL LEUCOCYTE COUNT</b>				
NEUTROPHIL	74	%	40 - 75	Flowcytometry
LYMPHOCYTES	21	%	25 - 45	Flowcytometry
EOSINOPHIL	1	%	1 - 6	Flowcytometry
MONOCYTE	4	%	2 - 10	Flowcytometry
BASOPHIL	0	%	00 - 01	Flowcytometry
PLATELET COUNT	143,000	/cmm	150000 - 450000	Elect Imped..
PLATELET COUNT (MANUAL)	160,000	/cmm	150000 - 450000	Microscopy .
Absolute Neutrophils Count	5,328	/cmm	2000 - 7000	Calculated
Absolute Lymphocytes Count	1,512	/cmm	1000-3000	Calculated
Absolute Eosinophils Count	72	/cmm	20-500	Calculated
Absolute Monocytes Count	288	/cmm	200-1000	Calculated
Mentzer Index	22			
Peripheral Blood Picture	:			

Red blood cells are normocytic normochromic, anisocytosis +. Platelets are adequate. No immature cells or parasite seen.



[Checked By]



*Sham*

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Test Name	Result	Unit	Bio. Ref. Range	Method
<b>NA+K+</b>				
SODIUM Serum	136.0	MEq/L	135 - 155	ISE Direct
POTASSIUM Serum	4.3	MEq/L	3.5 - 5.5	ISE Direct
<b>BLOOD UREA</b>				
BLOOD UREA	20.60	mg/dl	15 - 45	Urease, UV, Serum
<b>SERUM CREATININE</b>				
CREATININE	0.60	mg/dl	0.50 - 1.40	Alkaline picrate-kinetic
<b>LIVER FUNCTION TEST</b>				
TOTAL BILIRUBIN	<b>1.20</b>	mg/dl	0.4 - 1.1	Diazonium Ion
CONJUGATED ( D. Bilirubin)	<b>0.50</b>	mg/dL	0.00-0.30	Diazotization
UNCONJUGATED ( I.D. Bilirubin)	0.70	mg/dL	0.1 - 1.0	Calculated
ALK PHOS	<b>146.00</b>	U/L	30 - 120	PNPP, AMP Buffer
SGPT	19.8	U/L	5 - 40	UV without P5P
SGOT	26.6	U/L	5 - 40	UV without P5P

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

CHARAK



[Checked By]



*Sham*

DR. NISHANT SHARMA  
PATHOLOGIST

DR. SHADAB  
PATHOLOGIST

Dr. SYED SAIF AHMAD  
MD (MICROBIOLOGY)

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### **ECG REPORT**

\* RATE : 90 bpm.

\* RHYTHM : Sinus Arrhythmia

\* P wave : Normal

\* PR interval : Normal

\* QRS Axis : Normal

Duration : Normal

Configuration : Normal

\* ST-T Changes : None

\* QT interval :

\* QTc interval : Sec.

Other

**OPINION:** SINUS ARRHYTHMIA

(Finding to be correlated clinically)

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

*Transcribed By: JAVED*



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### 2D- ECHO & COLOR DOPPLER REPORT

1. **MITRAL VALVE STUDY** : MVOA - Normal (perimetry) cm<sup>2</sup> (PHT)

**Anterior Mitral Leaflet:**

- (a) **Motion:** Normal                      (b) **Thickness :** Normal                      (c) **DE :** 1.7 cm.  
 (d) **EF :** 148 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 :** 2.5cms                      (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 :** 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)** 0.9cm (s) 1.3cm

**Motion** : normal

**LVPW (D)** 0.8cm (s) 1.5 cm

**Motion** : Normal

**LVID (D)** 4.4 cm (s)2.9 cm

**Ejection Fraction** :63%

**Fractional Shortening** : 34 %

*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 = 0.8 a = 0.5	Normal	-	-	-
AORTIC	1.3	Normal	-	-	-
TRICUSPID	0.4	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 = 63 %
- NO RWMA
- ALL VALVES NORMAL
- NO CLOT / VEGETATION
- NO PERICARDIAL EFFUSION

**OPINION – NORMAL 2D-ECHO & COLOUR DOPPLER STUDY**

**DR. PANKAJ RASTOGI MD.DM**



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