Charak dhar DIAGNOSTICS Pvt. Ltd.

292/05, Tulsidas Marg, Basement Chowk, Lucknow-226 003
Phone : 0522-4062223, 9305548277, 8400888844
9415577933, 9336154100, **Tollfree No.**: 8688360360
E-mail : charak1984@gmail.com
CMO Reg. No. RMEE 2445133
NABL Reg. No. MC-2491
Certificate No. MIS-2023-0218

Patient Name	: Mr.REHMATUN NISHA	Visit No	: CHA250033762
Age/Gender	: 50 Y/M	Registration ON	: 25/Feb/2025 10:13AM
Lab No	**: 10131058**	Sample Collected ON	: 25/Feb/2025 10:21AM
Referred By	: Dr.U1	Sample Received ON	: 25/Feb/2025 10:21AM
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 25/Feb/2025 12:09PM
Doctor Advice	: HBA1C (EDTA),2D ECHO,ECG,CHEST PA,TSH,HBSAg,HCV,HIV,PT/PC/INR,LFT,CREATININE,UREA,RANDOM,PLAT COUNT,BTCT,DLC,TLC,HB,BLOOD GROUP		

PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP				
Blood Group	''B''			
Rh (Anti -D)	**POSITIVE**			
HBA1C				
Glycosylated Hemoglobin (HbA1c)	**7.1**	%	4 - 5.7	HPLC (EDTA)

NOTE:-
Glycosylated Hemoglobin Test (HbA1c)is performed in this laboratoryby the Gold Standard Reference method,ie:HPLC Technology(High performance Liquid Chromatography D10) from Bio-Rad Laboratories.USA.

EXPECTED (RESULT) RANGE :

Bio system	Degree of normal
4.0 - 5.7 %	Normal Value (OR) Non Diabetic
5.8 - 6.4 %	Pre Diabetic Stage
> 6.5 %	Diabetic (or) Diabetic stage
6.5 - 7.0 %	Well Controlled Diabet
7.1 - 8.0 %	Unsatisfactory Control
> 8.0 %	Poor Control and needs treatment

PT/PC/INR			
PROTHROMBIN TIME	13 Second	13 Second	Clotting Assay
Protrhromin concentration	100 %	100 %	
INR (International Normalized Ratio)	1.00	1.0	

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DR. SHADAB PATHOLOGIST
DR. ADITI D AGARWAL PATHOLOGIST

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Test Name	Result	Unit	Bio. Ref. Range	Method
HEPATITIS B SURFACE ANTIGEN (HBsAg)				
Sample Type : SERUM				
HEPATITIS B SURFACE ANTIGEN	NON REACTIVE		<1 - Non Reactive >1 - Reactive	CMIA

Note: This is only a Screening test. Confirmation of the result (Non Reactive/Reactive)should be done by performing a PCR based test.

COMMENTS:

-HBsAg is the first serological marker after infection with Hepatitis B Virus appearing one to ten weeks after exposure and two to eight weeks before the onset of clinical symptoms. HBsAg persists during the acute phase and clears late in the convalescence phase. Failure to clear HBsAg within six months indicates a chronic HBsAg carrier state. HBsAg assays are used to identify the persons infected with HBV and to prevent transmission of the virus by blood and blood products as well as to monitor the status of infected individuals in combination with other hepatitis B serological markers.
-Borderline cases must be confirmed with confirmatory neutralizing assay.

LIMITATIONS:

-Results should be used in conjunction with patient history and other hepatitis markers for diagnosis of acute and chronic infections.
-Specimens from patients who have received preparations of mouse monoclonal antibodies for diagnosis or therapy may contain human anti-mouse antibodies (HAMA) which may produce anomalous values when tested with assay kits that employs mouse monoclonal antibodies.
-Heterophilic antibodies in human serum can react with reagent immunoglobulins, interfering with in vitro immunoassays. Patients routinely exposed to animals or animal serum products can be prone to this interference and anomalous results may be observed.
-Cross reactivity for specimens from individual with medical conditions (Pregnancy, HIV etc) has been observed.
-HBsAg mutations may result in a false negative result in some HBsAg assays.
-If HBsAg results are inconsistent with clinical evidence, additional testing is suggested to confirm the result.

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Test Name	Result	Unit	Bio. Ref. Range	Method
HIV				
HIV-SEROLOGY	NON REACTIVE		<1.0 : NON REACTIVE >1.0 : REACTIVE	

Done by: Vitros ECI (Sandwich Assay)
Note:-Elisa test is a screening method for HIV.It is known to give false Positive & Negative result.
Hence confirmation:"Western Blot" method is advised.

Test Name	Result	Unit	Bio. Ref. Range	Method
HCV				
Anti-Hepatitis C Virus Antibodies.	NON REACTIVE		< 1.0 : NON REACTIVE > 1.0 : REACTIVE	Sandwich Assay

Done by: Vitros ECI (Sandwich Assay)
Note:This is only a Screening test. Confirmation of the result (Non Reactive/Reactive)should be done by performing a PCR based test.

Test Name	Result	Unit	Bio. Ref. Range
BT/CT			
BLEEDING TIME (BT)	3 mint 15 sec	mins	2 - 8
CLOTTING TIME (CT)	6 mint 30 sec		3 - 10 MINS.

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PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
HAEMOGLOBIN				
Hb	**9.4**	g/dl	12 - 15	Non Cyanide
Comment: Hemoglobin screening helps to diagnose conditions that affect RBCs such as anemia or polycythemia.				
TLC				
TOTAL LEUCOCYTES COUNT	**10300**	/cmm	4000 - 10000	Flocytrometry
DLC				
NEUTROPHIL	**78**	%	40 - 75	Flowcytrometry
LYMPHOCYTE	**17**	%	20-40	Flowcytrometry
EOSINOPHIL	3	%	1 - 6	Flowcytrometry
MONOCYTE	2	%	2 - 10	Flowcytrometry
BASOPHIL	**0**	%	00 - 01	Flowcytrometry
PLATELET COUNT				
PLATELET COUNT	360,000	/cmm	150000 - 450000	Elect Imped..
PLATELET COUNT (MANUAL)	360000	/cmm	150000 - 450000	Microscopy .
BLOOD SUGAR RANDOM				
BLOOD SUGAR RANDOM	138.2	mg/dl	70 - 170	Hexokinase
BLOOD UREA				
BLOOD UREA	**48.90**	mg/dl	15 - 45	Urease, UV, Serum
SERUM CREATININE				
CREATININE	1.10	mg/dl	0.50 - 1.40	Alkaline picrate-kinetic
LIVER FUNCTION TEST				
TOTAL BILIRUBIN	0.40	mg/dl	0.4 - 1.1	Diazonium Ion
CONJUGATED (D. Bilirubin)	0.06	mg/dL	0.00-0.30	Diazotization
UNCONJUGATED (I.D. Bilirubin)	0.34	mg/dL	0.1 - 1.0	Calculated
ALK PHOS	**165.60**	U/L	30 - 120	PNPP, AMP Buffer
SGPT	11.0	U/L	5 - 40	UV without P5P
SGOT	13.0	U/L	5 - 40	UV without P5P

MC-2491

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Test Name	Result	Unit	Bio. Ref. Range	Method
TSH				
TSH	2.83	uIU/ml	0.47 - 4.52	ECLIA

Note

(1) Patients having low T3 & T4 levels but high TSH levels suffer from primary hypothyroidism,cretinism,juvenile mysedema or autoimmune disorders.

(2) Patients having low T3 & T4 levels but high TSH levels suffer from grave~s disease, toxic adenoma or sub-acute thyroiditis.

(3) Patients having either low or normal T3 & T4 levels but low TSH values suffer from iodine deficiency or secondary hypothyroidism.

(4) Patients having high T3 & T4 levels but normal TSH levels may suffer from toxic multinodular goitre. This condition is mostly asymptomatic and may cause transient hyperthyroidism but no persistent symptoms.

(5) Patient with high or normal T3 & T4 levels and low or normal TSH levels suffer either from T3 toxicosis or T4 Toxicosis respectively.

(6) In patients with non thyroidal illness abnormal test results are not necessarily indicative of thyroidism but may be due to adaptation to the cacabolic state and may revert tonormal when the patient recovers.

(7) There are many drugs for eg.Glucocorticoids ,dopamine,Lithium,iodides ,oral radiographic dyes,ets.Which may affect the thyroid function tests.

(8) Generally when total T3& T4 results are indecisive then Free T3 & Free T4 test are recommended for further confirmation along with

(1 Beckman DxI-600 2. ELECTRO-CHEMILUMINISCENCE TECHINIQUE BY ELECSYSYS -E411)

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

MC-2491

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PR.

ECG -REPORT

RATE : 98 bpm

* RHYTHM : Normal

* P wave : Normal

* PR interval : Normal

* QRS Axis : Normal

Duration : Normal

Configuration : Normal

* ST-T Changes : T Inversion in L1, avL ,V6
Loss of r V1-V3

* QT interval :

* QTc interval : Sec.

* Other :

OPINION: **? LV STRAIN**

(FINDING TO BE CORRELATED CLINICALLY)

[DR. RAJIV RASTOGI, MD, DM]

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PR.

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 : 1.3** cm.

(d) EF :77 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 :1.4**cms **(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 : 3.3cms **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) 1.7 cm **Motion :** normal

LVPW (D) 1.0cm (s) 1.5 cm **Motion :** Normal

LVID (D) 4.4 cm (s) 2.5 cm **Ejection Fraction :75%**

Fractional Shortening : 43%

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

MV - NORMAL

Mitral valve level :

Papillary Muscle Level : NO RWMA

Apical 4 chamber View : No LV CLOT
NO P E

Contd.

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PERICARDIUM

Normal

DOPPLER STUDIES

	Velocity (m/sec)	Flow pattern (/4)	Regurgitation	Gradient (mm Hg)	Valve area (cm 2)
MITRAL	**e = 0.7 a = 1.2**	**a > e**	**-**	**-**	**-**
AORTIC	**1.6**	**Normal**	**-**	**-**	**–**
TRICUSPID	**0.4**	**Normal**	**-**	**-**	**-**
PULMONARY	**1.1**	**Normal**	**-**	**-**	**-**

OTHER HAEMODYNAMIC DATA

COLOUR DOPPLER

NO REGURGITATION OR TURBULENCE ACROSS ANY VALVE

CONCLUSIONS :

- **NORMAL LV RV DIMENSION**
- **GOOD LV SYSTOLIC FUNCTION**
- **LVEF =75 %**
- **NO RWMA**
- **a > e**
- **NO CLOT / VEGETATION**
- **NO PERICARDIAL EFFUSSION**

DR. PANKAJ RASTOGI MD.DM

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PR.

SKIAGRAM CHEST PA VIEW

- Trachea and mediastinum are shifted towards left side.
- Area of increased lucency with absent vascular markings are seen in right upper and mid zones .
- Overcrowding of broncho-vascular markings in right lower zone.
- Both CP angles are clear.
- Soft tissue and bony cage are seen normally.
- Both domes of diaphragm are sharply defined.

IMPRESSION:

GIANT BULLA.

Clinical correlation is necessary.

[DR. RAJESH KUMAR SHARMA, MD]

transcribed by: anup

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