

CID : 2413220792

Name : MR.DEBNATH ASHIT

:37 Years / Male Age / Gender

Consulting Dr. Reg. Location : Malad West (Main Centre)

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:11-May-2024 / 13:55

Reported :11-May-2024 / 15:52

### AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (	Comi	olete	Blood	Count),	<u>Blood</u>

<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	15.1	13.0-17.0 g/dL	Spectrophotometric
RBC	5.40	4.5-5.5 mil/cmm	Elect. Impedance
PCV	46.3	40-50 %	Calculated
MCV	85.8	80-100 fl	Measured
MCH	28.0	27-32 pg	Calculated
MCHC	32.6	31.5-34.5 g/dL	Calculated
RDW	14.0	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	8800	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABS	OLUTE COUNTS		
Lymphocytes	29.8	20-40 %	
Absolute Lymphocytes	2620	1000-3000 /cmm	Calculated
Monocytes	6.8	2-10 %	
Absolute Monocytes	600	200-1000 /cmm	Calculated
Neutrophils	57.7	40-80 %	
Absolute Neutrophils	5070	2000-7000 /cmm	Calculated
Eosinophils	5.5	1-6 %	
Absolute Eosinophils	480	20-500 /cmm	Calculated
Basophils	0.2	0.1-2 %	
Absolute Basophils	10	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

### **PLATELET PARAMETERS**

Platelet Count	272000	150000-400000 /cmm	Elect. Impedance
MPV	7.8	6-11 fl	Measured
PDW	13.3	11-18 %	Calculated

### **RBC MORPHOLOGY**

Hypochromia Microcytosis



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Macrocytosis

Anisocytosis

Poikilocytosis

Polychromasia

**Target Cells** 

Basophilic Stippling

Normoblasts

Others Normocytic, Normochromic

WBC MORPHOLOGY

PLATELET MORPHOLOGY

COMMENT

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 3 2-15 mm at 1 hr. Sedimentation

Clinical Significance: The erythrocyte sedimentation rate (ESR), also called a sedimentation rate is the rate red blood cells sediment in a period of time.

### Interpretation:

Factors that increase ESR: Old age, Pregnancy, Anemia

Factors that decrease ESR: Extreme leukocytosis, Polycythemia, Red cell abnormalities- Sickle cell disease

### Limitations:

- It is a non-specific measure of inflammation.
- The use of the ESR as a screening test in asymptomatic persons is limited by its low sensitivity and specificity.

Reflex Test: C-Reactive Protein (CRP) is the recommended test in acute inflammatory conditions.

### Reference:

- Brigden ML. Clinical utility of the erythrocyte sedimentation rate. American family physician. 1999 Oct 1;60(5):1443-50.

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Age / Gender

: 37 Years / Male

Reg. Location : Malad West (Main Centre)

<u>AERFO</u>	CAMI HEALTHCARE BE	LOW 40 MALE/FEMALE	<u>-</u>
<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
GLUCOSE (SUGAR) PP, Fluoride Plasma PP	90.3	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.34	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.12	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.22	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.8	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.7	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	3.1	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.5	1 - 2	Calculated
SGOT (AST), Serum	23.6	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	27.5	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	26.7	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	97.2	40-130 U/L	Colorimetric
BLOOD UREA, Serum	24.2	12.8-42.8 mg/dl	Kinetic
BUN, Serum	11.3	6-20 mg/dl	Calculated
CREATININE, Serum eGFR, Serum	1.00	0.67-1.17 mg/dl (ml/min/1.73sqm) Normal or High: Above 90 Mild decrease: 60-89 Mild to moderate decrease: 45-59 Moderate to severe decrease: 30-44 Severe decrease: 15-29 Kidney failure:<15	Enzymatic Calculated



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Note: eGFR estimation is calculated using 2021 CKD-EPI GFR equation w.e.f 16-08-2023

URIC ACID, Serum

6.6

3.5-7.2 mg/dl

Collected

Reported

Enzymatic

:11-May-2024 / 13:55

:11-May-2024 / 18:25

Urine Sugar (PP) Absent Absent Urine Ketones (PP) Absent Absent

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**HPLC** 

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# AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

Glycosylated Hemoglobin 5.9 Non-Diabetic Level: < 5.7 % (HbA1c), EDTA WB - CC Prediabetic Level: 5.7-6.4 %

Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %

Estimated Average Glucose 122.6 mg/dl Calculated

(eAG), EDTA WB - CC

### Intended use:

• In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year

In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly

• For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

### Clinical Significance:

• HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.

• The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

### Test Interpretation:

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

### Factors affecting HbA1c results:

Increased in: High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

**Decreased in:** Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

Reflex tests: Blood glucose levels, CGM (Continuous Glucose monitoring)

References: ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

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# AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE URINE EXAMINATION REPORT

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
PHYSICAL EXAMINATION			
Color	Yellow	Pale Yellow	-
Reaction (pH)	5.0	5-8	pH Indicator
Specific Gravity	1.020	1.002-1.035	Chemical Indicator
Transparency	Slight hazy	Clear	-
Volume (ml)	20	-	-
<b>CHEMICAL EXAMINATION</b>			
Proteins	Absent	Absent	Protein error principle
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Absent	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
MICROSCOPIC EXAMINATION			
Pus cells / hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	0-1	0-5/hpf	
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	+(>20/hpf)	0-20/hpf	
Others	-		

Kindly rule out contamination.



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Interpretation: The concentration values of Chemical analytes corresponding to the grading given in the report are as follows:

- Protein (1 + 25 mg/dl, 2 + 75 mg/dl, 3 + 150 mg/dl, 4 + 500 mg/dl)
- Glucose(1+ = 50 mg/dl, 2+ =100 mg/dl, 3+ =300 mg/dl, 4+ =1000 mg/dl)
- Ketone (1 + = 5 mg/dl, 2 + = 15 mg/dl, 3 + = 50 mg/dl, 4 + = 150 mg/dl)

Reference: Pack inert

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### AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE **BLOOD GROUPING & Rh TYPING**

**PARAMETER RESULTS** 

: 2413220792

: MR. DEBNATH ASHIT

: Malad West (Main Centre)

: 37 Years / Male

**ABO GROUP** 0

Rh TYPING **POSITIVE** 

NOTE: Test performed by automated column agglutination technology (CAT) which is more sensitive than conventional methods.

Note: This sample has been tested for Bombay group/Bombay phenotype/ OH using anti-H lectin.

Specimen: EDTA Whole Blood and/or serum

### Clinical significance:

ABO system is most important of all blood group in transfusion medicine

### Limitations:

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- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

### Refernces:

- 1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
- AABB technical manual

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: MR.DEBNATH ASHIT

### AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE **THYROID FUNCTION TESTS**

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	4.6	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	16.1	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	2.85	0.35-5.5 microIU/ml	ECLIA



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### Interpretation:

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A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

### Clinical Significance:

- 1)TSH Values between high abnormal upto15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological
- can give falsely high TSH.
- 2)TSH values may be trasiently altered becuase of non thyroidal illness like severe infections liver disease, renal and heart severe burns, trauma and surgery etc.

TSH	FT4 / T4	FT3 / T3	Interpretation
High	Normal	Normal	Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non-thyroidal illness, TSH Resistance.
High	Low	Low	Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism.
Low	High	High	Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)
Low	Normal	Normal	Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.
Low	Low	Low	Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.
High	High	High	Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.

Diurnal Variation: TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am, and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

Reflex Tests:Anti thyroid Antibodies, USG Thyroid ,TSH receptor Antibody. Thyroglobulin, Calcitonin

### Limitations:

- 1. Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.
- 2. Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results. this assay is designed to minimize interference from heterophilic antibodies.

### Reference:

- 1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
- 2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357
- 3. Tietz , Text Book of Clinical Chemistry and Molecular Biology -5th Edition
- 4. Biological Variation: From principles to Practice-Callum G Fraser (AACC Press)

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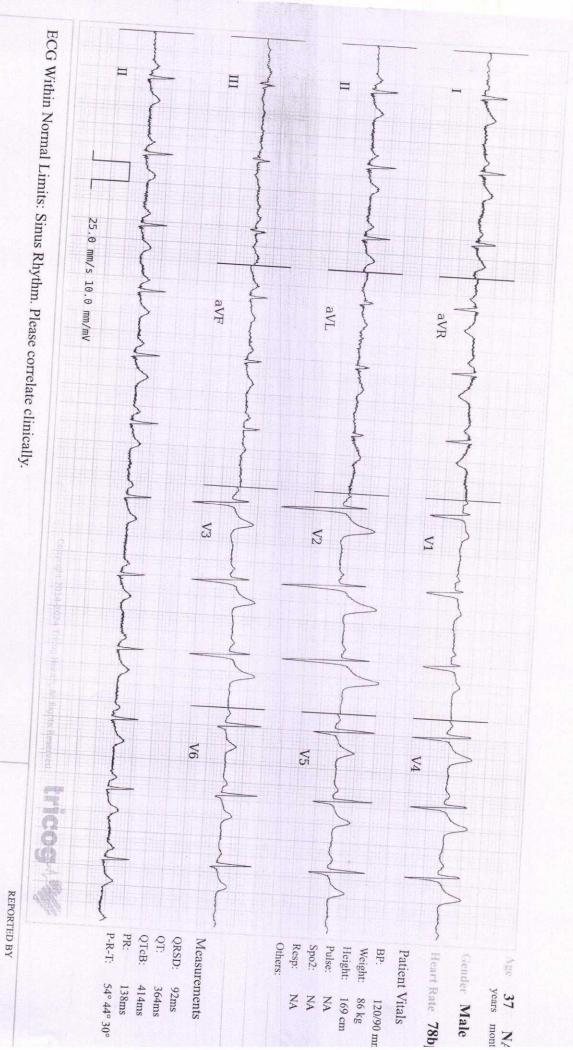


Patient Name: Patient ID:

# SUBURBAN DIAGNOSTICS - MALAD WEST

DEBNATH ASHIT 2413220792

Date and Time: 11th May 24 1:41 PM



Disclaimer: 1) Analysis in this report is based on ECG alone and should be used as an adjunct to clinical history, symptoms, and results of other invasive physician. 2) Patient vitals are as entered by the clinician and not derived from the ECG.

invasive tests and must be interpreted by a qualified

DR SONALI HONRAO MD (General Medicine) Physician 2001/04/1882

Soul?

Name: Debnath Ashit Sex/Age: M/37

Date:- 11/05/24 CID: 24/3220792

# EYE CHECK UP

Chief complaints:

Systemic Diseases:

F.V

R.E 616 NIG

Past history: L-E

M16

NV

Unaided Vision:

Aided Vision:

Refraction:

(Right Eye)

(Left Eye)

				(Left Eye)					
	Sph	Cyl	Axis	Vn	Sph	СуІ	Axis	Ma	
Distance							, 540	Vn	
Vear									

Colour Vision: Normal Abnormal

Remark:

CULTIRBAN MAGNOSTICS TO THE RELEASE. 102-204, Bhoomi C. Opp. Goregeon Sports Link Road, Malad (W), Mumbai - 900 004.



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: Malad West Main Centre

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### **USG WHOLE ABDOMEN**

### LIVER:

The liver is enlarged in size (16.2 cm), normal in shape and smooth margins. It shows bright parenchymal echo pattern. The intra hepatic biliary and portal radical appear normal. No evidence of any intra hepatic cystic or solid lesion seen.

The main portal vein (10 mm) and CBD (2.5 mm) appears normal.

### **GALL BLADDER:**

The gall bladder is physiologically distended and appears normal. No evidence of gall stones or mass lesions seen.

### PANCREAS:

The pancreas is well visualized and appears normal. No evidence of solid or cystic mass lesion.

### KIDNEYS:

Right kidney measures  $10.7 \times 4.5 \text{ cm}$ . Left kidney measures  $10.7 \times 5.2 \text{ cm}$ . Both the kidneys are normal in size, shape and echotexture. No evidence of any calculus, hydronephrosis or mass lesion seen.

### SPLEEN:

The spleen is normal in size (8.8 cm), and echotexture. No evidence of focal lesion is noted. There is no evidence of any lymphadenopathy or ascites.

### **URINARY BLADDER:**

The urinary bladder is well distended and reveal no intraluminal abnormality.

### PROSTATE:

The prostate is normal in size and measures 2.9 x 2.7 x 2.9 cm and volume is 12 cc.

Click here to view images http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=2024051113271801





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Reg. Location

: Malad West Main Centre

### **IMPRESSION:**

### HEPATOMEGALY WITH GRADE II FATTY INFILTRATION OF LIVER.

### Suggestion: Clinicopathological correlation.

Note: Investigations have their limitations. Solitary radiological investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. USG is known to have inter-observer variations. Further / Follow-up imaging may be needed in some case for confirmation of findings. Patient has been explained in detail about the USG findings including its limitations and need for further imaging if clinically indicated. Please interpret accordingly. All the possible precaution have been taken under covid-19 pandemic.

-----End of Report-----

DR. Akash Chhari MBBS. MD. Radio-Diagnosis Mumbai MMC REG NO - 2011/08/2862

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# X-RAY CHEST PA VIEW

Both lung fields are clear.

Both costo-phrenic angles are clear.

The cardiac size and shape are within normal limits.

The domes of diaphragm are normal in position and outlines.

The skeleton under review appears normal.

## **IMPRESSION:**

NO SIGNIFICANT ABNORMALITY IS DETECTED.

# Kindly correlate clinically.

Note: Investigations have their limitations. Solitary radiological investigations never confirm the final diagnosis. X- ray is known to have interobserver variations. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests further / follow-up imaging may be needed in some case for confirmation of findings. Please interpret accordingly.

-----End of Report---

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