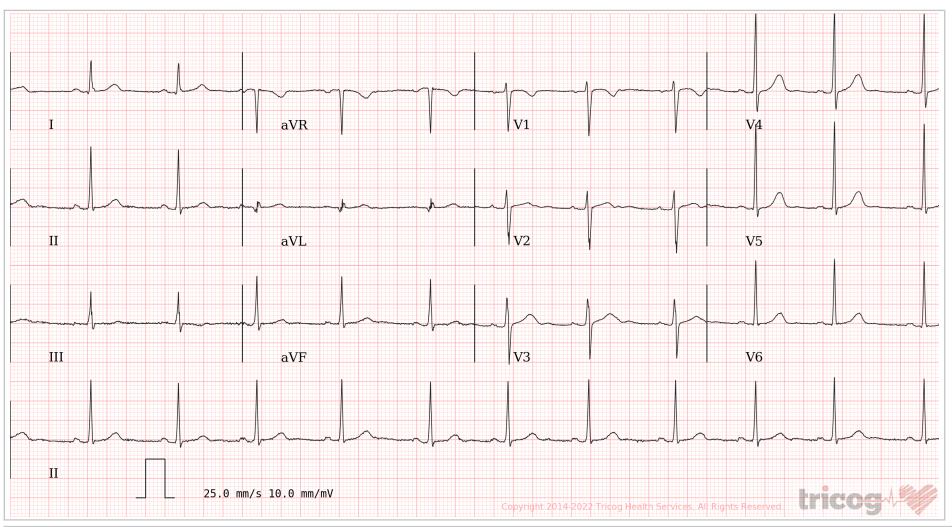
SUBURBAN DIAGNOSTICS PRECISE TESTING - HEALTHIER LIVING

SUBURBAN DIAGNOSTICS - MAHAVIR NAGAR, KANDIVALI WEST

Patient Name: ABHISHIKHA CHOUDHARY Date and Time: 12th Mar 22 12:04 PM

Patient ID: 2207127130



Age 31 7 6 years months days

Gender Female

Heart Rate 70bpm

Patient Vitals

BP: NA
Weight: NA
Height: NA
Pulse: NA
Spo2: NA
Resp: NA
Others:

Measurements

QSRD: 82ms QT: 386ms QTc: 416ms PR: 148ms P-R-T: 51° 59° 40°

ECG Within Normal Limits: Sinus Rhythm, Normal Axis. Please correlate clinically.

REPORTED BY

Dr.Ajita Bhosale M.B.B.S/P.G.D.C.C (DIP. Cardiology) 2013062200

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 and non-invasive tests and must be interpreted by a qualified physician. 2) Patient vitals are as entered by the clinician and not derived from the ECG.



Name : MRS.ABHISHIKHA CHOUDHARY

:31 Years / Female Age / Gender

Consulting Dr. Collected

Reported :12-Mar-2022 / 14:55 Reg. Location : Mahavir Nagar, Kandivali West (Main Centre)



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:12-Mar-2022 / 10:29

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	12.7	12.0-15.0 g/dL	Spectrophotometric
RBC	4.25	3.8-4.8 mil/cmm	Elect. Impedance
PCV	37.2	36-46 %	Measured
MCV	88	80-100 fl	Calculated
MCH	30.0	27-32 pg	Calculated
MCHC	34.3	31.5-34.5 g/dL	Calculated
RDW	14.0	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	7080	4000-10000 /cmm	Elect. Impedance

WBC DIFFERENTIAL AN	ID ARSOLLITE COLINITS

WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	36.4	20-40 %	
Absolute Lymphocytes	2577.1	1000-3000 /cmm	Calculated
Monocytes	8.5	2-10 %	
Absolute Monocytes	601.8	200-1000 /cmm	Calculated
Neutrophils	52.5	40-80 %	
Absolute Neutrophils	3717.0	2000-7000 /cmm	Calculated
Eosinophils	2.4	1-6 %	
Absolute Eosinophils	169.9	20-500 /cmm	Calculated
Basophils	0.2	0.1-2 %	
Absolute Basophils	14.2	20-100 /cmm	Calculated
Immature Leukocytes	_		

Immature Leukocytes

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	424000	150000-400000 /cmm	Elect. Impedance
MPV	8.5	6-11 fl	Calculated
PDW	14.0	11-18 %	Calculated

RBC MORPHOLOGY

Hypochromia Microcytosis

Page 1 of 10

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Name : MRS.ABHISHIKHA CHOUDHARY

:31 Years / Female Age / Gender

Consulting Dr. Collected : 12-Mar-2022 / 10:29

Reported :12-Mar-2022 / 14:30 : Mahavir Nagar, Kandivali West (Main Centre) Reg. Location

Macrocytosis

Anisocytosis

Poikilocytosis

Polychromasia

Target Cells

Basophilic Stippling

Normoblasts

Others Normocytic, Normochromic

WBC MORPHOLOGY

PLATELET MORPHOLOGY

COMMENT

Specimen: EDTA Whole Blood

ESR, EDTA WB 2-20 mm at 1 hr. Westergren

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE RFSIII TS BIOLOGICAL REF RANGE METHOD

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	81.8	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	130.1	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.40	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.19	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.21	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.4	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.5	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.9	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.6	1 - 2	Calculated
SGOT (AST), Serum	24.4	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	12.3	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	14.4	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	82.8	35-105 U/L	Colorimetric
BLOOD UREA, Serum	15.0	12.8-42.8 mg/dl	Kinetic
BUN, Serum	7.0	6-20 mg/dl	Calculated
CREATININE, Serum	0.65	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	113	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	4.3	2.4-5.7 mg/dl	Enzymatic

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Name : MRS.ABHISHIKHA CHOUDHARY

Age / Gender : 31 Years / Female

Consulting Dr. : - Collected

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:12-Mar-2022 / 16:20

Urine Sugar (Fasting)AbsentAbsentUrine Ketones (Fasting)AbsentAbsent

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

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Dr.ANUPA DIXIT
M.D.(PATH)
Consultant Pathologist & Lab
Director

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Name : MRS.ABHISHIKHA CHOUDHARY

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Reported :12-Mar-2022 / 16:40 Reg. Location : Mahavir Nagar, Kandivali West (Main Centre)

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

BIOLOGICAL REF RANGE PARAMETER RESULTS METHOD

HPLC Glycosylated Hemoglobin 4.9 Non-Diabetic Level: < 5.7 % (HbA1c), EDTA WB - CC

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

93.9 Estimated Average Glucose 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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Dr.MEGHA SHARMA M.D. (PATH), DNB (PATH) **Pathologist**

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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	Pale yellow	Pale Yellow	-
Reaction (pH)	6.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.010	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	30	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
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	<u> </u>		
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	

Epithelial Cells / hpf 0-1

Casts Absent Absent Crystals **Absent** Absent Amorphous debris Absent Absent

Bacteria / hpf +(>20/hpf) Less than 20/hpf

Others









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Consulting Dr. Collected : 12-Mar-2022 / 10:29

Reported :12-Mar-2022 / 21:16 Reg. Location : Mahavir Nagar, Kandivali West (Main Centre)

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

PARAMETER RESULTS

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 is not tested for Bombay blood group.

Specimen: EDTA Whole Blood and/or serum

Clinical significance:

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

Limitations:

- 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:

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

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Dr.VRUSHALI SHROFF M.D.(PATH) **Pathologist**

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	175.5	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	54.2	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	69.1	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	106.4	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/d High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated l
LDL CHOLESTEROL, Serum	95.0	Optimal: <100 mg/dl Near Optimal: 100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High: >/= 190 mg/dl	Calculated
VLDL CHOLESTEROL, Serum	11.4	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	2.5	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	1.4	0-3.5 Ratio	Calculated

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	5.9	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	22.0	11.5-22.7 pmol/L First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59	ECLIA
sensitiveTSH, Serum	0.070	0.35-5.5 microIU/ml First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0	ECLIA



Name : MRS.ABHISHIKHA CHOUDHARY

Age / Gender : 31 Years / Female

Consulting Dr. : - Collected :12-Mar-2022 / 10:29

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Interpretation

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

Clinical Significance:

- 1)TSH Values between 5.5 to 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors 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: 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.

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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Name : Mrs ABHISHIKHA CHOUDHARY

Age / Sex : 31 Years/Female

Ref. Dr : Reg. Date

Reg. Location : Mahavir Nagar, Kandivali West Main Centre



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: 12-Mar-2022 / 15:11

X-RAY CHEST PA VIEW

Reported

FINDINGS AND IMPRESSION :-

- Both lung fields appear normal in radiolucency. No evidence of any parenchymal opacity/lesion is seen.
- Both hilar shadow appears normal.
- Bilateral costophrenic and cardiophrenic angles appear clear. No evidence of pleural effusion.
- Both domes of diaphragm appears normal in position and outline.
- Cardiac shadow appears normal.
- No evidence of any abnormal soft tissue shadow seen.
- Bony skeleton under review appears normal.

No significant pleuro-parenchymal abnormality seen.

Advice: - Clinical 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. X ray is known to have inter-observer variations. Further / Follow-up imaging may be needed in some case for confirmation of findings Please interpret accordingly.



This report is prepared and physically checked by DR.MAHESH KADAM before dispatch.

DR.MAHESH KADAM MBBS ,DMRD Reg No - 2011/08/2693 Consultant Radiologist

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