SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

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REPORT

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 14:10

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	16.1	13.0-17.0 g/dL	Spectrophotometric
RBC	**5.61**	4.5-5.5 mil/cmm	Elect. Impedance
PCV	48.6	40-50 %	Measured
MCV	87	80-100 fl	Calculated
MCH	28.7	27-32 pg	Calculated
MCHC	33.1	31.5-34.5 g/dL	Calculated
RDW	**15.2**	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	7730	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	34.7	20-40 %	
Absolute Lymphocytes	2682.3	1000-3000 /cmm	Calculated
Monocytes	6.8	2-10 %	
Absolute Monocytes	525.6	200-1000 /cmm	Calculated
Neutrophils	50.4	40-80 %	
Absolute Neutrophils	3895.9	2000-7000 /cmm	Calculated
Eosinophils	**7.3**	1-6 %	
Absolute Eosinophils	**564.3**	20-500 /cmm	Calculated
Basophils	0.8	0.1-2 %	
Absolute Basophils	61.8	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	290000	150000-400000 /cmm	Elect. Impedance
MPV	8.5	6-11 fl	Calculated
PDW	14.5	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053
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CID	: 2202245400		
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Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic,Normochromic
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	Eosinophilia

Specimen: EDTA Whole Blood

ESR	3	2-15 mm at 1 hr.	Westergren

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

*** End Of Report ***

MC-2111

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist

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Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:06

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	86.6	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	86.3	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.56	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.19	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.37	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.8	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	5.0	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.8	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.8	1 - 2	Calculated
SGOT (AST), Serum	21.0	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	26.2	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	17.3	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	84.0	40-130 U/L	Colorimetric
BLOOD UREA, Serum	24.3	12.8-42.8 mg/dl	Kinetic
BUN, Serum	11.4	6-20 mg/dl	Calculated
CREATININE, Serum	0.71	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	139	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	4.1	3.5-7.2 mg/dl	Enzymatic

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CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 12:46
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 18:20

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

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

*** End Of Report ***

ilac-MRA

MC-2111

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

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 15:37

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.9	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	122.6	mg/dl	Calculated

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.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

*** End Of Report ***

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MC-2111

M.Sharma

Dr.MEGHA SHARMA
M.D. (PATH), DNB (PATH)
Pathologist

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Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:42

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Yellow	Pale Yellow	-
Reaction (pH)	5.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.025	1.001-1.030	Chemical Indicator
Transparency	Slight hazy	Clear	-
Volume (ml)	10	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	**Trace**	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
MICROSCOPIC EXAMINATION			
Leukocytes(Pus cells)/hpf	**5-6**	0-5/hpf	
Red Blood Cells / hpf	Occasional	0-2/hpf	
Epithelial Cells / hpf	1-2		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	4-5	Less than 20/hpf	
Others	-		

Note:Sample quantity less than 12ml.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

*** End Of Report ***

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MC-2111

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist

CID	: 2202245400		
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Age / Gender	: 29 Years / Male		
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Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 15:47

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

PARAMETER	RESULTS
ABO GROUP	A
Rh TYPING	POSITIVE

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

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:

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

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

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MC-2111

Dr.TRUPTI SHETTY
M. D. (PATH)
Pathologist

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Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:09

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	163.8	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	101.5	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	**34.2**	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	129.6	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	**110.0**	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	19.6	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	**4.8**	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	3.2	0-3.5 Ratio	Calculated

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

*** End Of Report ***

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M.D. (PATH)
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Age / Gender	: 29 Years / Male		
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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	**7.5**	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	17.5	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	0.762	0.35-5.5 microIU/ml	ECLIA

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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*** End Of Report ***

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MC-2111

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist

CID	: **2202245400**	SID	: 177804733126
Name	: MR.ROHIT WAGHELA	Registered	: 22-Jan-2022 / 08:40
Age / Gender	: 29 Years/Male	Collected	: 22-Jan-2022 / 08:40

PHYSICAL EXAMINATION REPORT

History and Complaints:

No **Complaint**

EXAMINATION FINDINGS:

Height (cms):	163	**Weight (kg):**	53
Temp (0c):	Afebrile	**Skin:**	NAD
Blood Pressure (mm/hg):	120/80 mmHg	**Nails:**	NAD
Pulse:	72/min	**Lymph Node:**	Not Palpable

Systems

Cardiovascular:	S1S2-Normal
Respiratory:	Chest-Clear
Genitourinary:	NAD
GI System:	NAD
CNS:	NAD

IMPRESSION:CBC,Biochemistry,ECG,CXR,TMT,USG are WNL

ADVICE:Fit for employment

CHIEF COMPLAINTS:

1)	**Hypertension:**	No
2)	**IHD**	No
3)	**Arrhythmia**	No
4)	**Diabetes Mellitus**	No
5)	**Tuberculosis**	No
6)	**Asthama**	No
7)	**Pulmonary Disease**	No
8)	**Thyroid/ Endocrine disorders**	No
9)	**Nervous disorders**	No
10)	**GI system**	No
11)	**Genital urinary disorder**	No
12)	**Rheumatic joint diseases or symptoms**	No
13)	**Blood disease or disorder**	No

CID	: **2202245400**	SID	: 177804733126
Name	: MR.ROHIT WAGHELA	Registered	: 22-Jan-2022 / 08:40
Age / Gender	: 29 Years/Male	Collected	: 22-Jan-2022 / 08:40

14) **Cancer/lump growth/cyst** No
15) **Congenital disease** No
16) **Surgeries** No
17) **Musculoskeletal System** No

PERSONAL HISTORY:

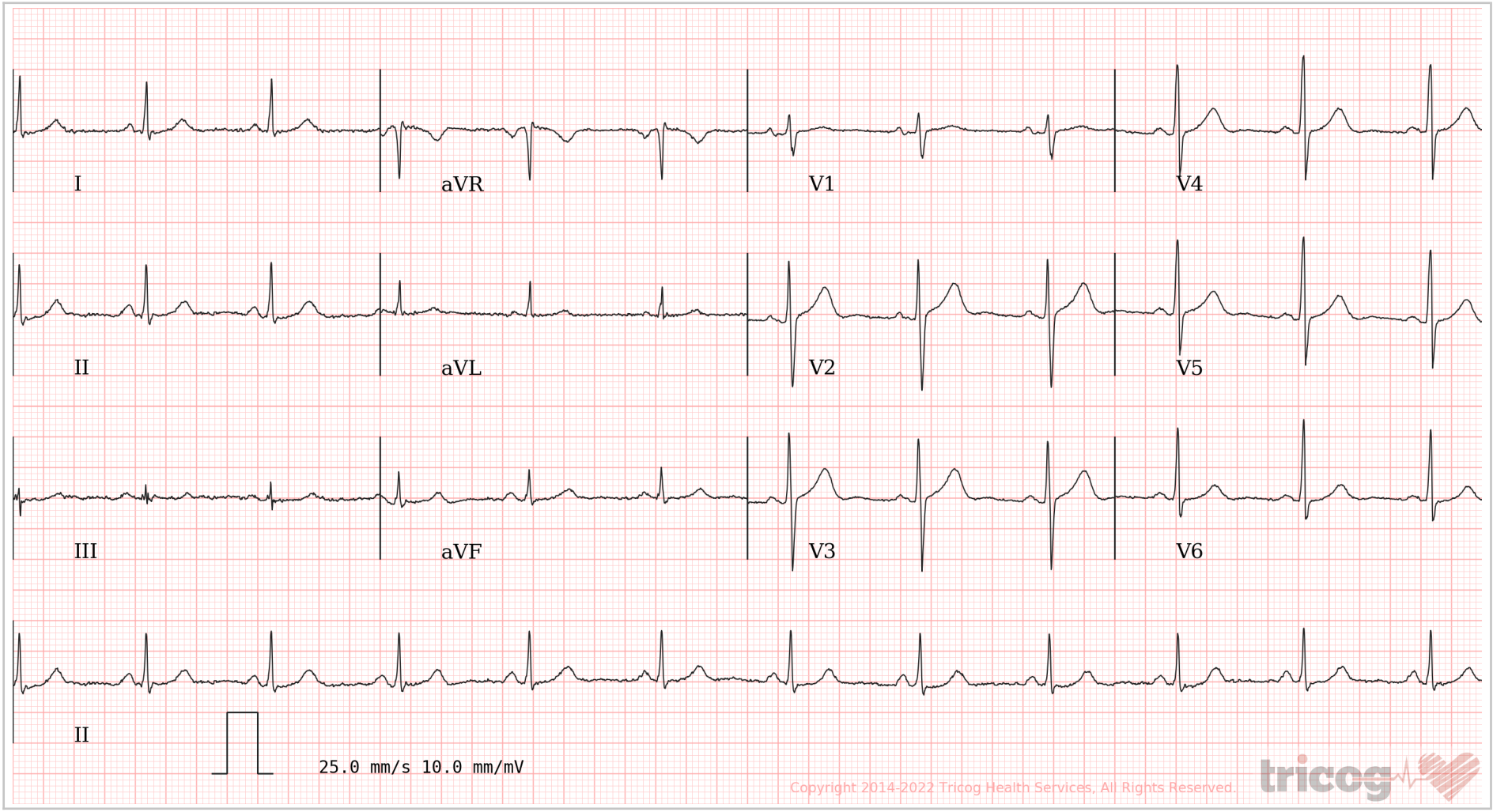
1) **Alcohol** No
2) **Smoking** No
3) **Diet** Mixed
4) **Medication** No

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

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

SUBURBAN DIAGNOSTICS - BHAYANDER EAST

Patient Name: ROHIT WAGHELA
Patient ID: 2202245400
Date and Time: 22nd Jan 22 8:47 AM



Age 29 years 10 months 2 days

Gender **Male**

Heart Rate **72 bpm**

Patient Vitals

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

Measurements

QSRD:	76 ms
QT:	376 ms
QTc:	411 ms
PR:	138 ms
P-R-T:	56° 30° 41°

ECG Within Normal Limits: Sinus Rhythm, Normal Axis. No significant ST-T changes.Please correlate clinically.

REPORTED BY

Dr. Smita Valani
MBBS, D. Cardiology
2011/03/0587

SUBURBAN DIAGNOSTICS
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Name	: Mr ROHIT WAGHELA		
Age / Sex	: 29 Years/Male		
Ref. Dr	:	**Reg. Date**	: 22-Jan-2022 / 09:54
Reg. Location	: Bhayander East Main Centre	**Reported**	: 22-Jan-2022 / 10:24

USG WHOLE ABDOMEN

LIVER:
The liver is normal in size (14.7 cm), shape and shows smooth margins. It shows normal parenchymal echotexture. The intra hepatic biliary and portal radicals appear normal. No evidence of any intra hepatic cystic or solid lesion seen. The main portal vein appears normal.

GALL BLADDER:
The gall bladder is folded and physiologically distended. Neck region is not well visualised. Gall bladder wall appears normal. No evidence of calculus or mass lesions seen in the visualised lumen.

COMMON BILE DUCT:
The visualized common bile duct is normal in calibre. Terminal common bile duct is obscured due to bowel gas artefacts.

PANCREAS:
The pancreas appears normal. No evidence of solid or cystic mass lesion made out.

KIDNEYS:
Right kidney measures 9.4 x 3.8 cm. Left kidney measures 10.0 x 4.1 cm.
Both the kidneys are normal in size, shape, position and echotexture. Corticomedullary differentiation is well maintained. Pelvicalyceal system is normal. No evidence of any calculus, hydronephrosis or mass lesion seen on both sides.

SPLEEN:
The spleen is normal in size (9.7 cm) and echotexture. No evidence of focal lesion is noted.

URINARY BLADDER:
The urinary bladder is well distended and reveals no intraluminal abnormality. Bladder wall appears normal. No obvious calculus or mass lesion made out in the lumen.

Excessive gas filled bowel loops seen in the abdomen.

PROSTATE:

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The prostate is normal in size measuring 2.9 x 2.7 x 3.2 cms and weighs 13.9 gms. Parenchymal echotexture is normal. No obvious mass or calcification made out.

There is no evidence of any lymphadenopathy or ascites.

IMPRESSION:

No significant abnormality detected.

Kindly correlate clinically.

Investigations have their limitation. Solitary pathological/Radiological & other investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms & other related tests. Please interpret accordingly.

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

DR.VIBHA S KAMBLE
MBBS ,DMRD
Reg No -65470
Consultant Radiologist

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053
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R E P O R T

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Ref. Dr	:	**Reg. Date**	: 22-Jan-2022 / 09:40
Reg. Location	: Bhayander East Main Centre	**Reported**	: 22-Jan-2022 / 11:21

X-RAY CHEST PA VIEW

Both the lung fields are clear with no parenchymal lesion.

The cardiothoracic ratio is maintained and the cardiac outline is normal.

The domes of the diaphragm and hila are normal.

The cardio and costophrenic angles are clear.

Bony thorax is normal.

IMPRESSION:

No significant abnormality detected.

Kindly correlate clinically.

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

DR.VIBHA S KAMBLE
MBBS ,DMRD
Reg No -65470
Consultant Radiologist

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SUBURBAN DIAGNOSTICS
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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
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RBC	**5.61**	4.5-5.5 mil/cmm	Elect. Impedance
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MCV	87	80-100 fl	Calculated
MCH	28.7	27-32 pg	Calculated
MCHC	33.1	31.5-34.5 g/dL	Calculated
RDW	**15.2**	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	7730	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	34.7	20-40 %	
Absolute Lymphocytes	2682.3	1000-3000 /cmm	Calculated
Monocytes	6.8	2-10 %	
Absolute Monocytes	525.6	200-1000 /cmm	Calculated
Neutrophils	50.4	40-80 %	
Absolute Neutrophils	3895.9	2000-7000 /cmm	Calculated
Eosinophils	**7.3**	1-6 %	
Absolute Eosinophils	**564.3**	20-500 /cmm	Calculated
Basophils	0.8	0.1-2 %	
Absolute Basophils	61.8	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	290000	150000-400000 /cmm	Elect. Impedance
MPV	8.5	6-11 fl	Calculated
PDW	14.5	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053
HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343
For Feedback - customerservice@suburbandiagnostics.com | www.suburbandiagnostics.com

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:45

Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic,Normochromic
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	Eosinophilia

Specimen: EDTA Whole Blood

ESR	3	2-15 mm at 1 hr.	Westergren

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

*** End Of Report ***

MC-2111

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist

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REPORT

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:06

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	86.6	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	86.3	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.56	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.19	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.37	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.8	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	5.0	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.8	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.8	1 - 2	Calculated
SGOT (AST), Serum	21.0	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	26.2	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	17.3	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	84.0	40-130 U/L	Colorimetric
BLOOD UREA, Serum	24.3	12.8-42.8 mg/dl	Kinetic
BUN, Serum	11.4	6-20 mg/dl	Calculated
CREATININE, Serum	0.71	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	139	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	4.1	3.5-7.2 mg/dl	Enzymatic

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REPORT

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 13:36

Urine Sugar (Fasting)	Absent	Absent
Urine Ketones (Fasting)	Absent	Absent

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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

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REPORT

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 15:37

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.9	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	122.6	mg/dl	Calculated

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.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

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M.Sharma

Dr.MEGHA SHARMA
M.D. (PATH), DNB (PATH)
Pathologist

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REPORT

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:42

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Yellow	Pale Yellow	-
Reaction (pH)	5.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.025	1.001-1.030	Chemical Indicator
Transparency	Slight hazy	Clear	-
Volume (ml)	10	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	**Trace**	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
MICROSCOPIC EXAMINATION			
Leukocytes(Pus cells)/hpf	**5-6**	0-5/hpf	
Red Blood Cells / hpf	Occasional	0-2/hpf	
Epithelial Cells / hpf	1-2		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	4-5	Less than 20/hpf	
Others	-		

Note:Sample quantity less than 12ml.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 15:47

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

PARAMETER	RESULTS
ABO GROUP	A
Rh TYPING	POSITIVE

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

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:

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

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

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Dr.TRUPTI SHETTY
M. D. (PATH)
Pathologist

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REPORT

CID	: 2202245400		
Name	: MR.ROHIT WAGHELA		
Age / Gender	: 29 Years / Male		
Consulting Dr.	: -	**Collected**	: 22-Jan-2022 / 08:40
Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:09

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	163.8	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	101.5	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	**34.2**	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	129.6	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	**110.0**	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	19.6	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	**4.8**	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	3.2	0-3.5 Ratio	Calculated

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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Reg. Location	: Bhayander East (Main Centre)	**Reported**	: 22-Jan-2022 / 12:09

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	**7.5**	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	17.5	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	0.762	0.35-5.5 microIU/ml	ECLIA

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)

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West

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Dr.KETAKI MHASKAR
M.D. (PATH)
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