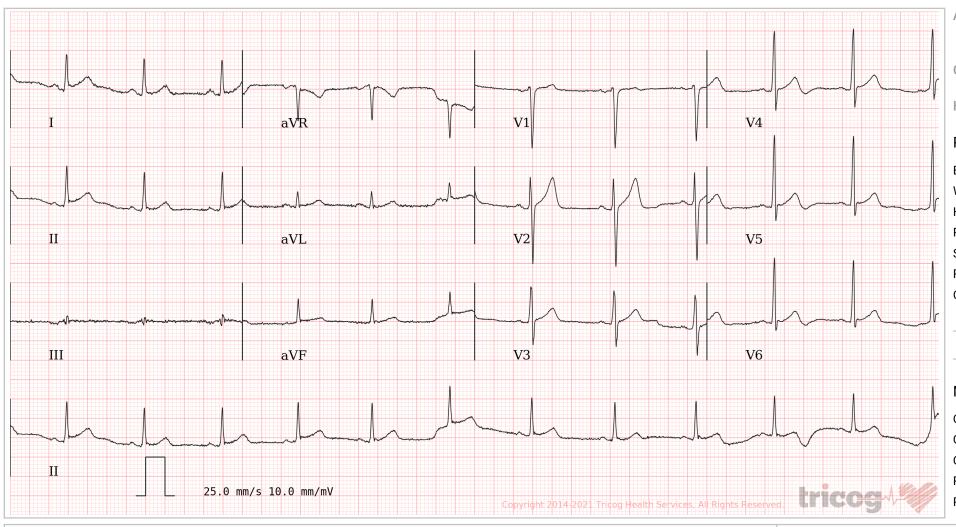
SUBURBAN DIAGNOSTICS

SUBURBAN DIAGNOSTICS - BORIVALI WEST

Patient Name: YOGESH SURESH NIWATE Date and Time: 16th Oct 21 10:15 AM

Patient ID: 2128938850



Age 37 8 19 years months days

Gender Male

Heart Rate 74 bpm

Patient Vitals

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

Measurements

QSRD: 78 ms
QT: 354 ms
QTc: 392 ms
PR: 120 ms
P-R-T: 15° 35° 29°

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

REPORTED BY

The

Dr Nitin Sonavane M.B.B.S.AFLH, D.DIAB,D.CARD Consultant Cardiologist 87714

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 : MR. YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. Collected :16-Oct-2021 / 09:06 Reported

Reg. Location : Borivali West (Main Centre)



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:16-Oct-2021 / 11:59

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood			
<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	12.7	13.0-17.0 g/dL	Spectrophotometric
RBC	5.00	4.5-5.5 mil/cmm	Elect. Impedance
PCV	39.1	40-50 %	Measured
MCV	78	80-100 fl	Calculated
MCH	25.4	27-32 pg	Calculated
MCHC	32.5	31.5-34.5 g/dL	Calculated
RDW	14.1	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	9600	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSO	DLUTE COUNTS		
Lymphocytes	44.6	20-40 %	
Absolute Lymphocytes	4281.6	1000-3000 /cmm	Calculated
Monocytes	6.2	2-10 %	
Absolute Monocytes	595.2	200-1000 /cmm	Calculated
Neutrophils	42.0	40-80 %	
Absolute Neutrophils	4032.0	2000-7000 /cmm	Calculated
Eosinophils	6.6	1-6 %	
Absolute Eosinophils	633.6	20-500 /cmm	Calculated
Basophils	0.6	0.1-2 %	
Absolute Basophils	57.6	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	292000	150000-400000 /cmm	Elect. Impedance
MPV	9.5	6-11 fl	Calculated
PDW	17.5	11-18 %	Calculated

RBC MORPHOLOGY

over the page or visit our website.

Hypochromia	-
Microcytosis	-
Macrocytosis	_

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Page 1 of 8



Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

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Anisocytosis -

Poikilocytosis -

Polychromasia -

Target Cells -

Basophilic Stippling -

Normoblasts -

Others Normocytic, Normochromic

WBC MORPHOLOGY -

PLATELET MORPHOLOGY -

COMMENT Eosinophilia

Specimen: EDTA Whole Blood

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

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Name : MR. YOGESH SURESH NIWATE

: 37 Years / Male Age / Gender

Consulting Dr.

Reg. Location : Borivali West (Main Centre)



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Collected

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	95.6	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.24	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.13	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.11	0.1-1.0 mg/dl	Calculated
SGOT (AST), Serum	44.5	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	79.7	5-45 U/L	NADH (w/o P-5-P)
ALKALINE PHOSPHATASE, Serum	66.3	40-130 U/L	Colorimetric
BLOOD UREA, Serum	22.1	12.8-42.8 mg/dl	Kinetic
BUN, Serum	10.3	6-20 mg/dl	Calculated
CREATININE, Serum	1.04	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	85	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	5.7	3.5-7.2 mg/dl	Enzymatic

^{*}Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West *** End Of Report ***







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

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Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

Reg. Location : Borivali West (Main Centre) Reported :16-Oct-2021 / 14:50

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

PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

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

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

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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.

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







Dr.LEENA SALUNKHE M.B.B.S, DPB (PATH) Pathologist

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Name : MR. YOGESH SURESH NIWATE

: 37 Years / Male Age / Gender

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIRINF FXAMINATION REPORT

UNINE 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	1.005	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	40	-	-
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			
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 3-4 Less than 20/hpf

Others







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

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Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

Reg. Location : Borivali West (Main Centre) Reported :16-Oct-2021 / 15:04

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:

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

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Dr.ANUPA DIXIT M.D.(PATH) Pathologist

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Name : MR. YOGESH SURESH NIWATE

: 37 Years / Male Age / Gender

Consulting Dr. Collected :16-Oct-2021 / 09:06

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	150.5	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	75.5	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	42.5	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	108	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	93.0	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	15.0	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.5	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.2	0-3.5 Ratio	Calculated

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Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

Reg. Location : Borivali West (Main Centre) Reported :16-Oct-2021 / 11:45

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

PARAMETER	KESUL 1S	BIOLOGICAL REF RANGE	ME I HOL
Free T3, Serum	5.0	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	16.4	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	1.54	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

*** End Of Report ***







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

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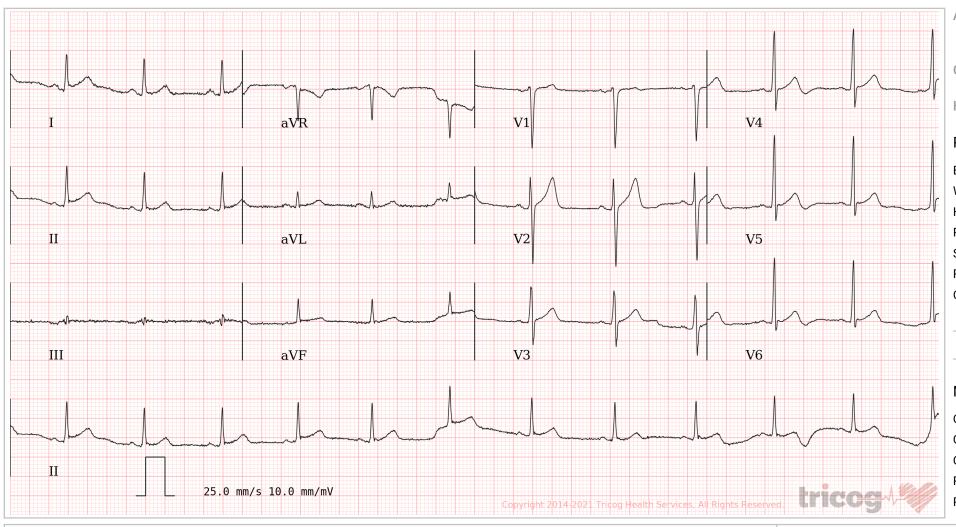
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SUBURBAN DIAGNOSTICS

SUBURBAN DIAGNOSTICS - BORIVALI WEST

Patient Name: YOGESH SURESH NIWATE Date and Time: 16th Oct 21 10:15 AM

Patient ID: 2128938850



Age 37 8 19 years months days

Gender Male

Heart Rate 74 bpm

Patient Vitals

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

Measurements

QSRD: 78 ms
QT: 354 ms
QTc: 392 ms
PR: 120 ms
P-R-T: 15° 35° 29°

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

REPORTED BY

The

Dr Nitin Sonavane M.B.B.S.AFLH, D.DIAB,D.CARD Consultant Cardiologist 87714

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 :Mr YOGESH SURESH NIWATE

Age / Sex :37 Years/Male

Ref. Dr :

Reg.Location :Borivali West



Reg.Date :16-Oct-2021 / 16:12

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Reported :16-Oct-2021 / 17:30

Printed :16-Oct-2021 / 17:30

USG WHOLE ABDOMEN

<u>LIVER:</u> Liver is bulky in size 14.2 cm and shows bright echotexture. There is no intra-hepatic biliary radical dilatation. No evidence of any focal lesion.

GALL BLADDER: Gall bladder is distended and appears normal. No obvious wall thickening is noted. There is no evidence of any calculus.

PORTAL VEIN: Portal vein (10 mm) is normal. CBD: CBD is normal.

PANCREAS: Pancreas appears normal in echotexture. There is no evidence of any focal lesion or calcification.

KIDNEYS: Right kidney measures 10.4x 4.1 cm. Left kidney measures 10.6 x 5.1 cm.

Both kidneys are normal in shape and echotexture. Corticomedullary differentiation is maintained. There is no evidence of any hydronephrosis, hydroureter or calculus.

SPLEEN: Spleen is enlarged in size (11.4 cm), shape and echotexture. No focal lesion is seen.

Few thickened bowel loops with minimal interbowel fluid seen in the epigastric region suggestive of changes of early acid peptic disease.

URINARY BLADDER: Urinary bladder is distended and normal. Wall thickness is within normal limits.

PROSTATE: Prostate is normal in size and echotexture. Prostate measures 3.7 x 3.2 x 3.4 cm and prostatic weight is 21 gm. No evidence of any focal lesion.

No free fluid or significant lymphadenopathy is seen.

http://202.143.96.162/Suburban/Viewer?ViewerType=4&AccessionNo=2021101609060950&ReportID=5841a2cf-29cf-439f-b942-baeb5dbdad85

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Name :Mr YOGESH SURESH NIWATE

Age / Sex :37 Years/Male

Ref. Dr

Reg.Location :Borivali West



Reg.Date :16-Oct-2021 / 16:12

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T

Reported :16-Oct-2021 / 17:30

Printed :16-Oct-2021 / 17:30

Opinion:

Mild hepato - splenomegaly with Grade I fatty infiltration of liver suggestive of steato hepatosis.

Few thickened bowel loops with minimal interbowel fluid seen in the epigastric region suggestive of changes of early acid peptic diseas

Request:- Co-relation with serum LFT.

Investigations have their limitations. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. Please interpret accordingly.

----End of Report----

DR. ROHIT MALIK DNB, DMRD, DMRE (MUM) RADIO DIAGNOSIS

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Name :Mr YOGESH SURESH NIWATE

Age / Sex :37 Years/Male

Ref. Dr :

Reg.Location :Borivali West



Reg.Date :16-Oct-2021 / 10:13

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Reported :16-Oct-2021 / 17:00

Printed :16-Oct-2021 / 17:00

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.

----End of Report----

DR. ROHIT MALIK DNB, DMRD, DMRE (MUM) RADIO DIAGNOSIS

http://202.143.96.162/Suburban/Viewer?ViewerType=4&AccessionNo=2021101609060970&ReportID=719b29ac-2076-4964-9069-c52684391786

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Name : MR. YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. Collected Reported

Reg. Location : Borivali West (Main Centre)

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:16-Oct-2021 / 11:59

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood			
<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	12.7	13.0-17.0 g/dL	Spectrophotometric
RBC	5.00	4.5-5.5 mil/cmm	Elect. Impedance
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MCH	25.4	27-32 pg	Calculated
MCHC	32.5	31.5-34.5 g/dL	Calculated
RDW	14.1	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	9600	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSO	DLUTE COUNTS		
Lymphocytes	44.6	20-40 %	
Absolute Lymphocytes	4281.6	1000-3000 /cmm	Calculated
Monocytes	6.2	2-10 %	
Absolute Monocytes	595.2	200-1000 /cmm	Calculated
Neutrophils	42.0	40-80 %	
Absolute Neutrophils	4032.0	2000-7000 /cmm	Calculated
Eosinophils	6.6	1-6 %	
Absolute Eosinophils	633.6	20-500 /cmm	Calculated
Basophils	0.6	0.1-2 %	
Absolute Basophils	57.6	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	292000	150000-400000 /cmm	Elect. Impedance
MPV	9.5	6-11 fl	Calculated
PDW	17.5	11-18 %	Calculated

RBC MORPHOLOGY

Hypochromia	-
Microcytosis	-
Macrocytosis	-

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Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

Reg. Location : Borivali West (Main Centre) Reported :16-Oct-2021 / 12:00

Anisocytosis -

Poikilocytosis -

Polychromasia -

Target Cells -

Basophilic Stippling -

Normoblasts -

Others Normocytic, Normochromic

WBC MORPHOLOGY -

PLATELET MORPHOLOGY -

COMMENT Eosinophilia

Specimen: EDTA Whole Blood

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

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









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Name : MR. YOGESH SURESH NIWATE

: 37 Years / Male Age / Gender

Consulting Dr.

Reg. Location : Borivali West (Main Centre)



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:16-Oct-2021 / 09:06

Collected Reported :16-Oct-2021 / 12:09

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	95.6	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma - PP/R	110.5	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.24	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.13	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.11	0.1-1.0 mg/dl	Calculated
SGOT (AST), Serum	44.5	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	79.7	5-45 U/L	NADH (w/o P-5-P)
ALKALINE PHOSPHATASE, Serum	66.3	40-130 U/L	Colorimetric
BLOOD UREA, Serum	22.1	12.8-42.8 mg/dl	Kinetic
BUN, Serum	10.3	6-20 mg/dl	Calculated
CREATININE, Serum	1.04	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	85	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	5.7	3.5-7.2 mg/dl	Enzymatic

^{*}Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West *** End Of Report ***







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Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

Reg. Location : Borivali West (Main Centre) Reported :16-Oct-2021 / 14:50

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

PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

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

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

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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.

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







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Name : MR. YOGESH SURESH NIWATE

: 37 Years / Male Age / Gender

Consulting Dr. Collected :16-Oct-2021 / 09:06

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE URINE EXAMINATION REPORT

GRINE 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	1.005	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	40	-	-
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			
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	

Red Blood Cells / hpf 0-2/hpf Absent

Epithelial Cells / hpf 0-1

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

Bacteria / hpf 3-4 Less than 20/hpf

Others







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

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Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

Reg. Location : Borivali West (Main Centre) Reported :16-Oct-2021 / 15:04

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:

- 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
*** End Of Report ***







Dr.ANUPA DIXIT M.D.(PATH) Pathologist

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Name : MR. YOGESH SURESH NIWATE

: 37 Years / Male Age / Gender

Consulting Dr. Collected :16-Oct-2021 / 09:06

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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	150.5	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	75.5	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	42.5	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	108	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	93.0	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	15.0	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.5	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.2	0-3.5 Ratio	Calculated

^{*}Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West
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Name : MR.YOGESH SURESH NIWATE

Age / Gender : 37 Years / Male

Consulting Dr. : - Collected : 16-Oct-2021 / 09:06

Reg. Location : Borivali West (Main Centre) Reported :16-Oct-2021 / 11:45

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	5.0	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	16.4	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	1.54	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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M.D.(PATH)
Consultant Pathologist & Lab Director

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Preventive Health Check-up | Pathology | Digital X-Ray | Sonography | Colour Doppler | Mammography | BMD (DXA Scan) | OPG | ECG | 2D Echo Stress Test/TMT | Spirometry | Eye Examination | Dental Examination | Diet Consultation | Audiometry | OT Sterility | Water Sterility | Clinical Research

CID : **2128938850** SID : 177804341596

Name : MR.YOGESH SURESH NIWATE Registered : 16-Oct-2021 / 09:05

Age / Gender : 37 Years/Male Collected : 16-Oct-2021 / 09:05

PHYSICAL EXAMINATION REPORT

History and Complaints:

Asymptomatic

EXAMINATION FINDINGS:

Height (cms):171cmsWeight (kg):77kgTemp (0c):AfebrileSkin:NormalBlood Pressure (mm/hg):140/90 mm of hgNails:Normal

Pulse: 98/min Lymph Node: Not palpable

Systems

Cardiovascular: S1S2 audible

Respiratory: AEBE **Genitourinary:** NAD

GI System: Liver & Spleen not palpable

CNS: NAD

IMPRESSION:

ADVICE:

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
14)	Cancer/lump growth/cyst	NO



: 16-Oct-2021 / 09:05

Preventive Health Check-up | Pathology | Digital X-Ray | Sonography | Colour Doppler | Mammography | BMD (DXA Scan) | OPG | ECG | 2D Echo Stress Test/TMT | Spirometry | Eye Examination | Dental Examination | Diet Consultation | Audiometry | OT Sterility | Water Sterility | Clinical Research

Collected

CID : **2128938850** SID : 177804341596

Name : MR.YOGESH SURESH NIWATE Registered : 16-Oct-2021 / 09:05

Age / Gender : 37 Years/Male

15) Congenital disease NO16) Surgeries NO17) Musculoskeletal System NO

PERSONAL HISTORY:

1) Alcohol Occassionally

2) Smoking NO3) Diet Mixed4) Medication NO

*** End Of Report ***

Dr.NITIN SONAVANE PHYSICIAN