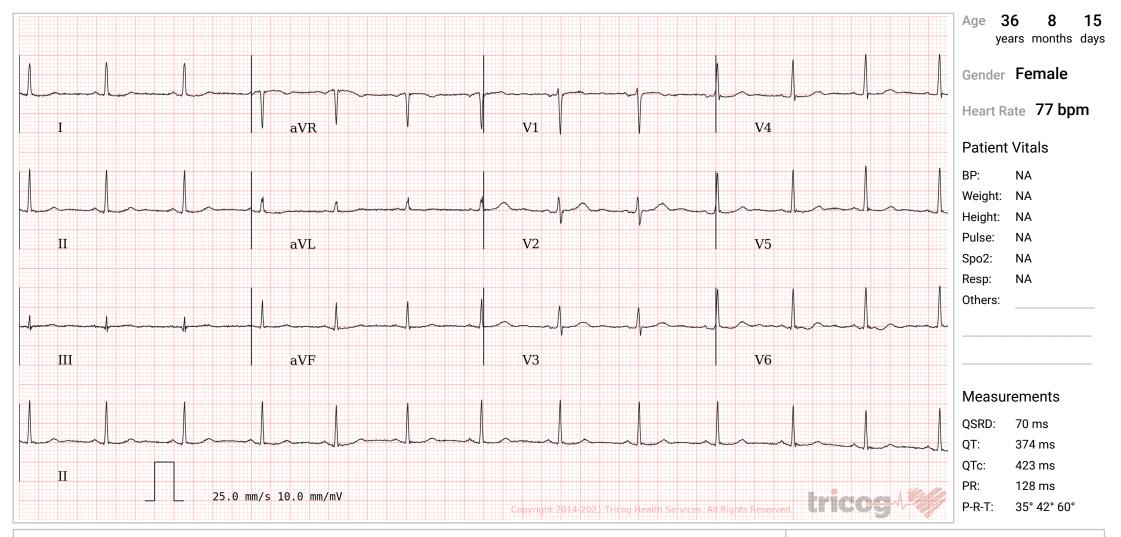
SUBURBAN DIAGNOSTICS - KANDIVALI EAST



Patient Name: NIVEDITA NIGAM

Date and Time: 23rd Dec 21 11:48 AM

Patient ID: 2135622660



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



DR AKHIL PARULEKAR MBBS.MD. MEDICINE, DNB Cardiology Cardiologist 2012082483

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 Nivedita NigamAge / Sex: 36 Years/FemaleRef. Dr:Reg. Location: Kandivali East Main Centre

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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.

<u>IMPRESSION:</u> NO SIGNIFICANT ABNORMALITY IS DETECTED.

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 cases for confirmation / exclusion of diagnosis. Please interpret accordingly.

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

MS

DR. SHRIKANT M. BODKE D.M.R.E., M.B.B.S. Reg. No. 2006/04/2376

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ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343

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CID	: 2135622660
Name	: MRS.NIVEDITA NIGAM
Age / Gender	: 36 Years / Female
Consulting Dr.	: -
Reg. Location	: Kandivali East (Main Centre)

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:23-Dec-2021 / 09:41 :23-Dec-2021 / 12:46

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

	CBC (Complete Blood Count), Blood			
PARAMETER	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>	
RBC PARAMETERS				
Haemoglobin	12.9	12.0-15.0 g/dL	Spectrophotometric	
RBC	5.24	3.8-4.8 mil/cmm	Elect. Impedance	
PCV	39.2	36-46 %	Measured	
MCV	75	80-100 fl	Calculated	
MCH	24.6	27-32 pg	Calculated	
MCHC	32.9	31.5-34.5 g/dL	Calculated	
RDW	15.8	11.6-14.0 %	Calculated	
WBC PARAMETERS				
WBC Total Count	6680	4000-10000 /cmm	Elect. Impedance	
WBC DIFFERENTIAL AND	ABSOLUTE COUNTS			
Lymphocytes	27.2	20-40 %		
Absolute Lymphocytes	1817.0	1000-3000 /cmm	Calculated	
Monocytes	5.5	2-10 %		
Absolute Monocytes	367.4	200-1000 /cmm	Calculated	
Neutrophils	64.0	40-80 %		
Absolute Neutrophils	4275.2	2000-7000 /cmm	Calculated	
Eosinophils	2.7	1-6 %		
Absolute Eosinophils	180.4	20-500 /cmm	Calculated	
Basophils	0.6	0.1-2 %		
Absolute Basophils	40.1	20-100 /cmm	Calculated	
Immature Leukocytes	-			

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	370000	150000-400000 /cmm	Elect. Impedance
MPV	8.2	6-11 fl	Calculated
PDW	14.0	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	Mild		
Microcytosis	Mild		

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CID	: 2135622660			
Name	: MRS.NIVEDITA NIGAM			0
Age / Gender	: 36 Years / Female		Use a QR Code Scanner Application To Scan the Code	R
Consulting Dr.	: -	Collected	:23-Dec-2021 / 09:41	
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Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	-
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	-

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 4 2-20 mm at 1 hr. *Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West *** End Of Report *** Westergren

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Bmhaskar

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CID Name	: 2135622660 : MRS.NIVEDITA NIGAM		
Age / Gender	: 36 Years / Female		Use a QR Code Scanner Application To Scan the Code
Consulting Dr. Reg. Location	: - : Kandivali East (Main Centre)	Collected Reported	:23-Dec-2021 / 09:41 :23-Dec-2021 / 12:54

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE			
PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	90.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	90.9	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.7	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.25	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.45	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	6.3	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.4	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	1.9	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	2.3	1 - 2	Calculated
SGOT (AST), Serum	11.1	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	5.5	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	26.7	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	74.4	35-105 U/L	Colorimetric
BLOOD UREA, Serum	13.9	12.8-42.8 mg/dl	Kinetic
BUN, Serum	6.5	6-20 mg/dl	Calculated
CREATININE, Serum	0.73	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	96	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	5.3	2.4-5.7 mg/dl	Enzymatic

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CID	: 2135622660			
Name	: MRS.NIVEDITA NIGAM			0
Age / Gender	: 36 Years / Female		Use a QR Code Scanner Application To Scan the Code	R
Consulting Dr.	: -	Collected	:23-Dec-2021 / 12:35	
Reg. Location	: Kandivali East (Main Centre)	Reported	:23-Dec-2021 / 15:26	т
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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 ***



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

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METHOD

Application To Scan the Code

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

PARAMETER

Glycosylated Hemoglobin HPLC 5.8 Non-Diabetic Level: < 5.7 % (HbA1c), EDTA WB - CC Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 % Estimated Average Glucose 119.8 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

RESULTS

- 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

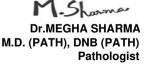
Reflex tests: Blood glucose levels, CGM (Continuous Glucose monitoring)

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

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE EXAMINATION OF FAECES

	EXAMINATION OF FAELES		
PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	
PHYSICAL EXAMINATION			
Colour	Brown	Brown	
Form and Consistency	Semi Solid	Semi Solid	
Mucus	Absent	Absent	
Blood	Absent	Absent	
CHEMICAL EXAMINATION			
Reaction (pH)	Acidic (6.0)	-	
Occult Blood	Absent	Absent	
MICROSCOPIC EXAMINATIO	N		
Protozoa	Absent	Absent	
Flagellates	Absent	Absent	
Ciliates	Absent	Absent	
Parasites	Absent	Absent	
Macrophages	Absent	Absent	
Mucus Strands	Absent	Absent	
Fat Globules	Absent	Absent	
RBC/hpf	Absent	Absent	
WBC/hpf	Absent	Absent	
Yeast Cells	Absent	Absent	
Undigested Particles	Present +	-	
Concentration Method (for ova)	No ova detected	Absent	
Reducing Substances	-	Absent	

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BMhaskar

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE URINE EXAMINATION REPORT

PARAMETER	RESULTS	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)	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	0-1	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	1-2		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	+(>20/hpf)	Less than 20/hpf	
Others	-		

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

PARAMETER

<u>RESULTS</u>

ABO GROUP B 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

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Consulting Dr.	: -
Reg. Location	: Kandivali East (Main Centre)



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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	189.1	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	103.5	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	37.9	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	151.2	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	130.0	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	21.2	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	5.0	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	3.4	0-3.5 Ratio	Calculated
*Cample processed at SURUPRAN DI		rivali Lab Barivali Wast	

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PARAMETER

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	• 212542240			Р
CID Name	: 2135622660 : MRS.NIVEDITA NIGAM			0
Age / Gender	: 36 Years / Female		Use a QR Code Scanner Application To Scan the Code	R
Consulting Dr.	:-	Collected	:23-Dec-2021 / 09:41	9.039
Reg. Location	: Kandivali East (Main Centre)	Reported	:23-Dec-2021 / 12:36	т

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS RESULTS BIOLOGICAL REF RANGE METHOD

Free T3, Serum	4.4	3.5-6.5 pmol/L ECLIA
Free T4, Serum	14.4	11.5-22.7 pmol/L ECLIA First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59
sensitiveTSH, Serum	2.79	0.35-5.5 microIU/ml ECLIA First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0

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Interpretation:

Age / Gender

Consulting Dr.

Reg. Location

CID

Name

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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