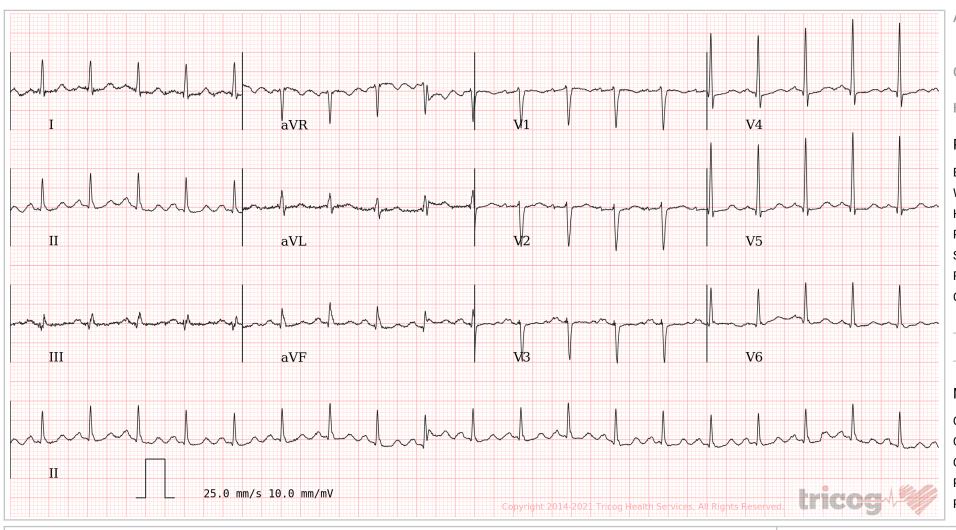
# SUBURBAN DIAGNOSTICS

### SUBURBAN DIAGNOSTICS - MAHAVIR NAGAR, KANDIVALI WEST

Patient Name: KANTAMMA. Date and Time: 11th Dec 21 9:43 AM

Patient ID: 2134539796



Age 58 8 12 years months days

Gender Female

Heart Rate 122 bpm

#### **Patient Vitals**

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

#### Measurements

QSRD: 76 ms
QT: 310 ms
QTc: 441 ms
PR: 156 ms
P-R-T: 58° 42° 80°

Sinus Tachycardia. Poor "R" wave progression in anterior leads. 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.



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CID Name : 2134539796

: Mrs KANTAMMA. : 58 Years/Female Age / Sex

Ref. Dr

Reg. Location : Mahavir Nagar, Kandivali West Main

Reg. Date

: 11-Dec-2021 / 09:34

Reported : 11-Dec-2021 / 15:48 T

### X-RAY CHEST PA VIEW

#### Aortic knuckle calcification is noted.

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.

Kindly correlate clinically.

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

DR. NIKHIL DEV M.B.B.S, MD (Radiology) Reg No - 2014/11/4764 Consultant Radiologist

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Name : MRS.KANTAMMA .

:58 Years / Female Age / Gender

Consulting Dr. Collected

Reported Reg. Location : Mahavir Nagar, Kandivali West (Main Centre)



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:11-Dec-2021 / 12:17

#### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO

CBC (Complete Blood Count), Blood				
<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>	
RBC PARAMETERS				
Haemoglobin	13.9	12.0-15.0 g/dL	Spectrophotometric	
RBC	4.38	3.8-4.8 mil/cmm	Elect. Impedance	
PCV	40.9	36-46 %	Measured	
MCV	93	80-100 fl	Calculated	
MCH	31.7	27-32 pg	Calculated	
MCHC	34.0	31.5-34.5 g/dL	Calculated	
RDW	16.4	11.6-14.0 %	Calculated	
WBC PARAMETERS				
WBC Total Count	3440	4000-10000 /cmm	Elect. Impedance	
WBC DIFFERENTIAL AND AB	SOLUTE COUNTS			
Lymphocytes	36.4	20-40 %		
Absolute Lymphocytes	1252.2	1000-3000 /cmm	Calculated	
Monocytes	5.5	2-10 %		
Absolute Monocytes	189.2	200-1000 /cmm	Calculated	
Neutrophils	56.7	40-80 %		
Absolute Neutrophils	1950.5	2000-7000 /cmm	Calculated	
Eosinophils	0.7	1-6 %		
Absolute Eosinophils	24.1	20-500 /cmm	Calculated	
Basophils	0.7	0.1-2 %		
Absolute Basophils	24.1	20-100 /cmm	Calculated	
Immature Leukocytes	-			

WBC Differential Count by Absorbance & Impedance method/Microscopy.

#### **PLATELET PARAMETERS**

Platelet Count	188000	150000-400000 /cmm	Elect. Impedance
MPV	8.6	6-11 fl	Calculated
PDW	13.8	11-18 %	Calculated

**RBC MORPHOLOGY** 

Hypochromia Microcytosis

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Name : MRS.KANTAMMA .

:58 Years / Female Age / Gender

Consulting Dr. Collected :11-Dec-2021 / 09:50

Reported :11-Dec-2021 / 12:09 : Mahavir Nagar, Kandivali West (Main Centre) Reg. Location

Macrocytosis

Anisocytosis Mild Poikilocytosis Mild

Polychromasia

**Target Cells** 

Basophilic Stippling

Normoblasts

Others Elliptocytes-occasional

**WBC MORPHOLOGY** PLATELET MORPHOLOGY

**COMMENT** Leucopenia

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 2-30 mm at 1 hr. Westergren

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## MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

GLUCOSE (SUGAR) FASTING,

Fluoride Plasma

120.3

Non-Diabetic: < 100 mg/dl

Impaired Fasting Glucose:

100-125 mg/dl

Diabetic: >/= 126 mg/dl

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

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

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Age / Gender : 58 Years / Female

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## MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO GLYCOSYLATED HEMOGLOBIN (HbA1c)

## <u>PARAMETER</u> <u>RESULTS</u> <u>BIOLOGICAL REF RANGE</u> <u>METHOD</u>

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

Diabetic Level: >/= 6.5 %

Estimated Average Glucose 116.9 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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#### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO URINE EXAMINATION REPORT

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	7.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.005	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	20	-	-
<b>CHEMICAL EXAMINATION</b>			
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 EXAMINATIO	<u>N</u>		
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	

Red Blood Cells / hpf Occasional 0-2/hpf

Epithelial Cells / hpf 2-3

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

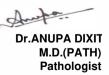
Bacteria / hpf 3-4 Less than 20/hpf

Others











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Age / Gender : 58 Years / Female

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# MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO BLOOD GROUPING & Rh TYPING

PARAMETER RESULTS

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

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Age / Gender : 58 Years / Female

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### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO LIPID PROFILE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	189.0	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	68.5	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	57.4	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	131.6	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	118.0	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	13.6	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.3	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO,	2.1	0-3.5 Ratio	Calculated

<sup>\*</sup>Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West  $^{***}$  End Of Report  $^{***}$ 









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#### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO **THYROID FUNCTION TESTS**

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	4.4	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	16.9	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	5.87	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.KANTAMMA .

Age / Gender : 58 Years / Female

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

#### Clinical Significance:

- 1)TSH Values between 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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# MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO LIVER FUNCTION TESTS

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
BILIRUBIN (TOTAL), Serum	0.62	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.25	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.37	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.5	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.9	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.6	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.9	1 - 2	Calculated
SGOT (AST), Serum	16.0	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	7.2	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	10.8	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	70.3	35-105 U/L	Colorimetric

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