

CID : 2220427173 Name : MRS.RENU GUPTA Age / Gender : 41 Years / Female Consulting Dr. : -Reg. Location : J B Nagar, Andheri East (Main Centre) Authenticity Check

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MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT

CBC (Complete Blood Count), Blood				
<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>	
RBC PARAMETERS				
Haemoglobin	14.3	12.0-15.0 g/dL	Spectrophotometric	
RBC	5.69	3.8-4.8 mil/cmm	Elect. Impedance	
PCV	43.4	36-46 %	Calculated	
MCV	76.3	80-100 fl	Measured	
MCH	25.1	27-32 pg	Calculated	
MCHC	32.9	31.5-34.5 g/dL	Calculated	
RDW	14.7	11.6-14.0 %	Calculated	
WBC PARAMETERS				
WBC Total Count	7970	4000-10000 /cmm	Elect. Impedance	
WBC DIFFERENTIAL AND A	BSOLUTE COUNTS			
Lymphocytes	26.9	20-40 %		
Absolute Lymphocytes	2143.9	1000-3000 /cmm	Calculated	
Monocytes	10.2	2-10 %		
Absolute Monocytes	812.9	200-1000 /cmm	Calculated	
Neutrophils	59.8	40-80 %		
Absolute Neutrophils	4766.1	2000-7000 /cmm	Calculated	
Eosinophils	3.0	1-6 %		
Absolute Eosinophils	239.1	20-500 /cmm	Calculated	
Basophils	0.1	0.1-2 %		
Absolute Basophils	8.0	20-100 /cmm	Calculated	
Immature Leukocytes	-			

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	155000	150000-400000 /cmm	Elect. Impedance
MPV	11.0	6-11 fl	Measured
PDW	20.8	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	Mild		
Microcytosis	Mild		

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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 4 2-20 mm at 1 hr. *Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West *** End Of Report ***



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CID : 2220427173 Name : MRS.RENU GUPTA Use a OR Code Scanner Age / Gender : 41 Years / Female Application To Scan the Code Consulting Dr. Collected : -: 23-Jul-2022 / 13:54 :23-Jul-2022 / 21:58 Reg. Location : J B Nagar, Andheri East (Main Centre) Reported MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT **BIOLOGICAL REF RANGE** PARAMETER RESULTS **METHOD** Non-Diabetic: < 100 mg/dl Hexokinase

GLUCOSE (SUGAR) FASTING, 95.4 Fluoride Plasma

GLUCOSE (SUGAR) PP, Fluoride 95.3 Plasma PP/R

Urine Sugar (Fasting) Absent Urine Ketones (Fasting)

Absent

Absent Absent

Impaired Fasting Glucose:

Diabetic: >/= 126 mg/dl

Diabetic: >/= 200 mg/dl

Non-Diabetic: < 140 mg/dl

Impaired Glucose Tolerance:

100-125 mg/dl

140-199 mg/dl

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



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

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MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT KIDNEY FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
BLOOD UREA, Serum	17.0	12.8-42.8 mg/dl	Kinetic
BUN, Serum	7.9	6-20 mg/dl	Calculated
CREATININE, Serum	0.82	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	82	>60 ml/min/1.73sqm	Calculated
TOTAL PROTEINS, Serum	7.0	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.4	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.6	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
URIC ACID, Serum	5.4	2.4-5.7 mg/dl	Enzymatic
PHOSPHORUS, Serum	2.8	2.7-4.5 mg/dl	Molybdate UV
CALCIUM, Serum	9.1	8.6-10.0 mg/dl	N-BAPTA
SODIUM, Serum	140	135-148 mmol/l	ISE
POTASSIUM, Serum	5.3	3.5-5.3 mmol/l	ISE
CHLORIDE, Serum	100	98-107 mmol/l	ISE

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



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

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MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT GLYCOSYLATED HEMOGLOBIN (HbA1c) RESULTS BIOLOGICAL REF RANGE METHOD PARAMETER

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

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Dr.CHHAYA PENDHARKER M.D. (PATH) **Consultant Pathologist**

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MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT URINE EXAMINATION REPORT

PARAMETER	<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)	30	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Absent	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
MICROSCOPIC EXAMINATIO	N		
Leukocytes(Pus cells)/hpf	25-30	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	10-12		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	++	Less than 20/hpf	
Others	-		

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MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT BLOOD GROUPING & Rh TYPING

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PARAMETER

RESULTS

ABO GROUP O 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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M. Jain

Dr.MILLU JAIN M.D.(PATH) Pathologist

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MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT LIPID PROFILE

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	199.1	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	140.3	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	GPO-POD
HDL CHOLESTEROL, Serum	38.8	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	160.3	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	132.0	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	28.3	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	5.1	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	3.4	0-3.5 Ratio	Calculated
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M-Shormer Dr.MEGHA SHARMA M.D. (PATH), DNB (PATH) Pathologist

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PARAMETER

Free T3, Serum

Free T4, Serum

sensitiveTSH, Serum

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Reg. Location	: J B Nagar, Andheri East (Main Centre)	Reported	:23-Jul-2022 / 20:06	

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT **THYROID FUNCTION TESTS**

BIOLOGICAL REF RANGE

3.5-6.5 pmol/L

11.5-22.7 pmol/L

First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59

0.35-5.5 microIU/ml

First Trimester:0.1-2.5 Second Trimester: 0.2-3.0 Third Trimester:0.3-3.0

METHOD

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RESULTS

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Interpretation:

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

Clinical Significance:

1)TSH Values between high abnormal upto15 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, ty 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	gh High High Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Bl epileptics.		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:

1. 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.

Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results. this assay is designed to minimize interference from heterophilic antibodies.

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

ADDRESS: 2" 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

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CID	: 2220427173
Name	: MRS.RENU GUPTA
Age / Gender	: 41 Years / Female
Consulting Dr. Reg. Location	: - : J B Nagar, Andheri East (Main Centre)

Authenticity Check

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Use a QR Code Scanner Application To Scan the Code :23-Jul-2022 / 13:54 :23-Jul-2022 / 20:06

Collected

Reported

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT LIVER FUNCTION TESTS

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
BILIRUBIN (TOTAL), Serum	0.64	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.24	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.40	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.0	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.4	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.6	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
SGOT (AST), Serum	17.3	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	12.9	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	23.2	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	98.5	35-105 U/L	Colorimetric

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



Anto

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