## SUBURBAN DIAGNOSTICS - LULLANAGAR, PUNE

V3

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Patient Name: RAJSHRI JAGTAP

Patient ID: 2205030055 Date and Time: 19th Feb 22 9:35 AM

V4

V6



### Gender Female

Heart Rate 95 bpm

### **Patient Vitals**

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

Others:

#### Measurements

QSRD: 80 ms QT: 356 ms 447 ms QTc: PR: 170 ms 67° 59° 66°

P-R-T:

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

25.0 mm/s 10.0 mm/mV

aVL

aVF

REPORTED BY

Dr.Milind Shinde MBBS, DNB Medicine 2011/05/1544

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 RAJSHRI JAGTAP

Age / Sex : 52 Years/Female

Ref. Dr :

**Reg. Location**: Lulla Nagar, Pune Main Centre

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**Reported** : 19-Feb-2022 / 09:54

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: 2205030055 CID

: Mrs RAJSHRI JAGTAP Name

: 52 Years/Female Age / Sex

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<u>USG (ABDOMEN + PELVIS)</u>

**LIVER**: The liver is normal in size, shape and smooth margins.

It shows normal parenchymal echo pattern. The intra hepatic biliary and portal radical appear normal. No evidence of any intra hepatic cystic or solid lesion seen. The main portal vein and CBD appears normal.

**GALL BLADDER**: The gall bladder is physiologically distended. The visualized gall bladder appears normal. No evidence of pericholecystic fluid is seen.

**PANCREAS**: The pancreas is well visualised and appears normal. No evidence of solid or cystic mass lesion is noted.

**KIDNEYS**: Right kidney measures 9.9 x 4.1 cm. Left kidney measures 9.9 x 4.3 cm.

Both the kidneys are normal in size, shape and echotexture.

No evidence of any calculus, hydronephrosis or mass lesion seen.

**SPLEEN:** The spleen is normal in size, shape and echotexture. No evidence of focal lesion is noted.

**URINARY BLADDER:** The urinary bladder is well distended. It shows thin walls and sharp mucosa. No evidence of calculus is noted. No mass or diverticulum is seen.

BThe uterus is not visualised. Post-hysterectomy status.

#### Gaseous distension of bowel loops.

There is no evidence of any lymphadenopathy or ascitis.

### **IMPRESSION:**

No significant abnormality seen.

Advice - Clinical correlation.	
	End of Report

This report is prepared and physically checked by Dr Pallavi before dispatch.

Reg No 2013/04/1170

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: 19-Feb-2022 / 10:00

## X-RAY CHEST PA VIEW

Reg. Date

Reported

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.	
Fnd of Report	

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Age / Gender : 52 Years / Female

Consulting Dr. : -

Reg. Location

: Lulla Nagar, Pune (Main Centre)

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:19-Feb-2022 / 08:48

:19-Feb-2022 / 14:00

### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT

CBC (Complete Blood Count), Blood			
<u>PARAMETER</u>	RESULTS	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	9.7	12.0-15.0 g/dL	Spectrophotometric
RBC	5.13	3.8-4.8 mil/cmm	Elect. Impedance
PCV	31.2	36-46 %	Calculated
MCV	61	80-100 fl	Calculated
MCH	18.9	27-32 pg	Calculated
MCHC	31.1	31.5-34.5 g/dL	Calculated
RDW	18.5	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	3800	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSO	DLUTE COUNTS		
Lymphocytes	46.0	20-40 %	
Absolute Lymphocytes	1748.0	1000-3000 /cmm	Calculated
Monocytes	6.0	2-10 %	
Absolute Monocytes	228.0	200-1000 /cmm	Calculated
Neutrophils	44.0	40-80 %	
Absolute Neutrophils	1672.0	2000-7000 /cmm	Calculated
Eosinophils	4.0	1-6 %	
Absolute Eosinophils	152.0	20-500 /cmm	Calculated
Basophils	0.0	0.1-2 %	
Absolute Basophils	0.0	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

### **PLATELET PARAMETERS**

Platelet Count	321000	150000-400000 /cmm	Elect. Impedance
MPV	10.0	6-11 fl	Calculated
PDW	19.5	11-18 %	Calculated

### **RBC MORPHOLOGY**

Hypochromia	+
Microcytosis	+

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Name : MRS.RAJSHRI JAGTAP

:52 Years / Female Age / Gender

Consulting Dr. Collected : 19-Feb-2022 / 08:48

Reported :19-Feb-2022 / 12:39 : Lulla Nagar, Pune (Main Centre) Reg. Location

Macrocytosis

Anisocytosis

Poikilocytosis Mild Polychromasia Mild

**Target Cells** Basophilic Stippling

Normoblasts

Others Elliptocytes-occasional

**WBC MORPHOLOGY** PLATELET MORPHOLOGY

**COMMENT** Leucopenia

ADV: Iron studies, Sr. Ferritin level.

Specimen: EDTA Whole Blood

ESR, EDTA WB 15 2-30 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*







**Dr.GOURAV AGRAWAL** DCP, DNB (Path) **Pathologist** 

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: 19-Feb-2022 / 08:48

Hexokinase

Hexokinase

:19-Feb-2022 / 15:03 Reported

# MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT

**PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD** 

GLUCOSE (SUGAR) FASTING. 96.0 Non-Diabetic: < 100 mg/dl Fluoride Plasma Impaired Fasting Glucose:

100-125 mg/dl

Diabetic: >/= 126 mg/dl

Collected

GLUCOSE (SUGAR) PP, Fluoride 88.2 Non-Diabetic: < 140 mg/dl

Plasma PP/R Impaired Glucose Tolerance:

140-199 mg/dl

Diabetic: >/= 200 mg/dl

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

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*







mostrieta Dr.SHAMLA KULKARNI M.D.(PATH) **Pathologist** 

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### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT **GLYCOSYLATED HEMOGLOBIN (HbA1c)**

#### **BIOLOGICAL REF RANGE PARAMETER RESULTS** METHOD

Glycosylated Hemoglobin **HPLC** 5.5 Non-Diabetic Level: < 5.7 % (HbA1c), EDTA WB - CC Prediabetic Level: 5.7-6.4 %

Diabetic Level: >/= 6.5 %

Estimated Average Glucose 111.2 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 Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*







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:19-Feb-2022 / 15:03

### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT **EXAMINATION OF FAECES**

#### **RESULTS BIOLOGICAL REF RANGE PARAMETER**

PHYSICAL EXAMINATION

Colour Brown Brown Form and Consistency Semi Solid Semi Solid Mucus Trace Absent Blood Absent **Absent** 

**CHEMICAL EXAMINATION** 

Reaction (pH) Acidic (6.5)

Occult Blood Absent Absent

**MICROSCOPIC EXAMINATION** 

Protozoa Absent Absent Flagellates **Absent** Absent Ciliates Absent Absent **Parasites** Absent Absent Macrophages Absent Absent Mucus Strands Flakes + Absent Fat Globules Absent Absent RBC/hpf Absent Absent WBC/hpf Occasional Absent Yeast Cells Absent **Absent Undigested Particles** Present + Concentration Method (for ova) No ova detected Absent Reducing Substances Absent







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:19-Feb-2022 / 14:26

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

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	Acidic (6.5)	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.005	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	50	-	-
<b>CHEMICAL EXAMINATION</b>			
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	
Ded Dieed Celle / bot	Alexande	0.07/	

Red Blood Cells / hpf Absent 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







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<sup>\*</sup>Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*



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Consulting Dr. Collected : 19-Feb-2022 / 08:48

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

**RESULTS PARAMETER** 

**ABO GROUP** Α

Rh TYPING Positive

NOTE: Test performed by Semi- automated column agglutination technology (CAT)

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:

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

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*







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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	195.0	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	76.8	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	47.4	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	147.6	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	133	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	Colorimetric
VLDL CHOLESTEROL, Serum	15	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.1	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.8	0-3.5 Ratio	Calculated







THE MONIETZ **Dr.SHAMLA KULKARNI** 

MD (PATH) **Consultant Pathologist** 

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

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
BLOOD UREA, Serum	16.7	12.8-42.8 mg/dl	Kinetic
BUN, Serum	7.8	6-20 mg/dl	Calculated
CREATININE, Serum	0.58	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	116	>60 ml/min/1.73sqm	Calculated
TOTAL PROTEINS, Serum	7.2	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.5	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.7	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
URIC ACID, Serum	2.0	2.4-5.7 mg/dl	Enzymatic
PHOSPHORUS, Serum	3.6	2.7-4.5 mg/dl	Molybdate UV
CALCIUM, Serum	9.3	8.6-10.0 mg/dl	N-BAPTA
SODIUM, Serum	143	135-148 mmol/l	ISE
POTASSIUM, Serum	4.4	3.5-5.3 mmol/l	ISE
CHLORIDE, Serum	104	98-107 mmol/l	ISE

<sup>\*</sup>Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*







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**Consultant Pathologist** 

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Consulting Dr. : -

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**Reported** :19-Feb-2022 / 13:12

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

PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

Free T3, Serum 3.9 2.6-5.7 pmol/L CMIA

Kindly note change in reference range and method w.e.f. 16/08/2019

Free T4, Serum 10.6 9-19 pmol/L CMIA

Pregnant Women (pmol/L): First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59

Collected

Kindly note change in reference range and method w.e.f. 16/08/2019

sensitiveTSH, Serum 1.48 0.35-4.94 microIU/ml CMIA

Pregnant Women (microIU/ml): First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0

Kindly note change in reference range and method w.e.f. 16/08/2019. NOTE: 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 transiently altered because of non thyroidal illness like severe infections, liver disease, renal & heart failure, severe burns, trauma & surgery etc.

Page 10 of 12



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Consulting Dr. : - Collected :19-Feb-2022 / 08:48

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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)







Dr.SHAMLA KULKARNI M.D.(PATH) Pathologist

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



Name : MRS.RAJSHRI JAGTAP

Age / Gender : 52 Years / Female

Consulting Dr. : - Collected :

Reg. Location : Lulla Nagar, Pune (Main Centre)



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**Reported** :19-Feb-2022 / 12:36

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

<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
BILIRUBIN (TOTAL), Serum	0.51	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.17	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.34	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.2	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.5	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.7	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
SGOT (AST), Serum	24.5	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	20.3	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	14.3	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	69.9	35-105 U/L	Colorimetric

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







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Name : MRS.RAJSHRI JAGTAP

Age / Gender : 52 Years / Female

Consulting Dr. : -

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:19-Feb-2022 / 14:00

### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT

CBC (Complete Blood Count), Blood				
<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>	
RBC PARAMETERS				
Haemoglobin	9.7	12.0-15.0 g/dL	Spectrophotometric	
RBC	5.13	3.8-4.8 mil/cmm	Elect. Impedance	
PCV	31.2	36-46 %	Calculated	
MCV	61	80-100 fl	Calculated	
MCH	18.9	27-32 pg	Calculated	
MCHC	31.1	31.5-34.5 g/dL	Calculated	
RDW	18.5	11.6-14.0 %	Calculated	
WBC PARAMETERS				
WBC Total Count	3800	4000-10000 /cmm	Elect. Impedance	
WBC DIFFERENTIAL AND ABSO	DLUTE COUNTS			
Lymphocytes	46.0	20-40 %		
Absolute Lymphocytes	1748.0	1000-3000 /cmm	Calculated	
Monocytes	6.0	2-10 %		
Absolute Monocytes	228.0	200-1000 /cmm	Calculated	
Neutrophils	44.0	40-80 %		
Absolute Neutrophils	1672.0	2000-7000 /cmm	Calculated	
Eosinophils	4.0	1-6 %		
Absolute Eosinophils	152.0	20-500 /cmm	Calculated	
Basophils	0.0	0.1-2 %		
Absolute Basophils	0.0	20-100 /cmm	Calculated	
Immature Leukocytes	-			

WBC Differential Count by Absorbance & Impedance method/Microscopy.

### **PLATELET PARAMETERS**

Platelet Count	321000	150000-400000 /cmm	Elect. Impedance
MPV	10.0	6-11 fl	Calculated
PDW	19.5	11-18 %	Calculated

### **RBC MORPHOLOGY**

Hypochromia	+
Microcytosis	+

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Macrocytosis

Anisocytosis

Poikilocytosis Mild Polychromasia Mild

**Target Cells** Basophilic Stippling

Normoblasts

Others Elliptocytes-occasional

**WBC MORPHOLOGY** PLATELET MORPHOLOGY

**COMMENT** Leucopenia

ADV: Iron studies, Sr. Ferritin level.

Specimen: EDTA Whole Blood

ESR, EDTA WB 15 2-30 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*







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Hexokinase

Hexokinase

:19-Feb-2022 / 15:03 Reported

# MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT

**PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD** 

GLUCOSE (SUGAR) FASTING. 96.0 Non-Diabetic: < 100 mg/dl Fluoride Plasma Impaired Fasting Glucose:

100-125 mg/dl

Diabetic: >/= 126 mg/dl

Collected

GLUCOSE (SUGAR) PP, Fluoride 88.2 Non-Diabetic: < 140 mg/dl

Plasma PP/R Impaired Glucose Tolerance:

140-199 mg/dl

Diabetic: >/= 200 mg/dl

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

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mostrieta Dr.SHAMLA KULKARNI M.D.(PATH) **Pathologist** 

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### MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/TMT **GLYCOSYLATED HEMOGLOBIN (HbA1c)**

#### **BIOLOGICAL REF RANGE PARAMETER RESULTS** METHOD

Glycosylated Hemoglobin **HPLC** 5.5 Non-Diabetic Level: < 5.7 % (HbA1c), EDTA WB - CC Prediabetic Level: 5.7-6.4 %

Diabetic Level: >/= 6.5 %

Estimated Average Glucose 111.2 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/TMT **EXAMINATION OF FAECES**

#### **RESULTS BIOLOGICAL REF RANGE PARAMETER**

PHYSICAL EXAMINATION

Colour Brown Brown Form and Consistency Semi Solid Semi Solid Mucus Trace Absent Blood Absent **Absent** 

**CHEMICAL EXAMINATION** 

Reaction (pH) Acidic (6.5)

Occult Blood Absent Absent

**MICROSCOPIC EXAMINATION** 

Protozoa Absent Absent Flagellates **Absent** Absent Ciliates Absent Absent **Parasites** Absent Absent Macrophages Absent Absent Mucus Strands Flakes + Absent Fat Globules Absent Absent RBC/hpf Absent Absent WBC/hpf Occasional Absent Yeast Cells Absent **Absent Undigested Particles** Present + Concentration Method (for ova) No ova detected Absent Reducing Substances Absent







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

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	Acidic (6.5)	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.005	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	50	-	-
<b>CHEMICAL EXAMINATION</b>			
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	
Ded Dieed Celle / bot	Alexande	0.2756	

Red Blood Cells / hpf Absent 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







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

**RESULTS PARAMETER** 

**ABO GROUP** Α

Rh TYPING Positive

NOTE: Test performed by Semi- automated column agglutination technology (CAT)

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:

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

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*







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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	195.0	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	76.8	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	47.4	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	147.6	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	133	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	Colorimetric
VLDL CHOLESTEROL, Serum	15	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.1	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.8	0-3.5 Ratio	Calculated







THE MONIETZ **Dr.SHAMLA KULKARNI** 

MD (PATH) **Consultant Pathologist** 

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

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
BLOOD UREA, Serum	16.7	12.8-42.8 mg/dl	Kinetic
BUN, Serum	7.8	6-20 mg/dl	Calculated
CREATININE, Serum	0.58	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	116	>60 ml/min/1.73sqm	Calculated
TOTAL PROTEINS, Serum	7.2	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.5	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.7	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
URIC ACID, Serum	2.0	2.4-5.7 mg/dl	Enzymatic
PHOSPHORUS, Serum	3.6	2.7-4.5 mg/dl	Molybdate UV
CALCIUM, Serum	9.3	8.6-10.0 mg/dl	N-BAPTA
SODIUM, Serum	143	135-148 mmol/l	ISE
POTASSIUM, Serum	4.4	3.5-5.3 mmol/l	ISE
CHLORIDE, Serum	104	98-107 mmol/l	ISE

<sup>\*</sup>Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*







THE MONIETZ **Dr.SHAMLA KULKARNI** MD (PATH)

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Name : MRS.RAJSHRI JAGTAP

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Consulting Dr. : -

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**Reported** :19-Feb-2022 / 13:12

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

PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

Free T3, Serum 3.9 2.6-5.7 pmol/L CMIA

Kindly note change in reference range and method w.e.f. 16/08/2019

Free T4, Serum 10.6 9-19 pmol/L CMIA

Pregnant Women (pmol/L): First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59

Collected

Kindly note change in reference range and method w.e.f. 16/08/2019

sensitiveTSH, Serum 1.48 0.35-4.94 microIU/ml CMIA

Pregnant Women (microIU/ml): First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0

Kindly note change in reference range and method w.e.f. 16/08/2019. NOTE: 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 transiently altered because of non thyroidal illness like severe infections, liver disease, renal & heart failure, severe burns, trauma & surgery etc.

Page 10 of 12



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

<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
BILIRUBIN (TOTAL), Serum	0.51	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.17	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.34	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.2	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.5	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.7	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.7	1 - 2	Calculated
SGOT (AST), Serum	24.5	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	20.3	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	14.3	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	69.9	35-105 U/L	Colorimetric

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







Dr.SHAMLA KULKARNI MD (PATH) Consultant Pathologist

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

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



E

CID# : **2205030055** SID# : 177401572478

Name : MRS.RAJSHRI JAGTAP Registered : 19-Feb-2022 / 08:49

Age / Gender : 52 Years/Female Collected : 19-Feb-2022 / 08:49

Consulting Dr. : - Reported : 19-Feb-2022 / 11:28

Reg.Location : Lulla Nagar, Pune (Main Centre) Printed : 19-Feb-2022 / 11:34

### PHYSICAL EXAMINATION REPORT

a) Diet: Mixed

b)Addiction: No

**GENERAL EXAMINATION:** 

a)Height (cms): 162

b)Weight (kgs): 58

c)Lymph Nodes: Not Palpable

3) SYSTEMIC EXAMINATION

### A) RESPIRATORY SYSTEM

a) Lungs: Clear

b) Trachea: Central

c ) Air Entry : Equal

d) Rales: No

d) Others: NAD

### B) CARDIOVASCULAR SYSTEM ( CVS )

a) Heart Sounds: S1 S2 Normal

b) Murmurs : No

c ) Pulse/min: 78

d) B/P (mm of Hg): 128/82

e ) Miscellenous : NAD

CENTRAL PROCESSING LAB: 2<sup>nd</sup> Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

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### C) ABDOMEN

Name

a) Liver: Not Palpable

b) Spleen: Not Palpable

c) Any other Swelling: No

#### D) NERVOUS SYSTEM

a) Ankle Reflex: Normal

b) Plantars : Flexor

### **DOCTOR REMARKS:**

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

Dr.Milind Shinde MBBS, DNB, Consuling Physician, Diabetologist & Echocardiologist

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