

CODE/NAME & ADDRESS: C000049066
SRL JAIPUR WELLNESS CORPORATE WALK IN

AAKRITI LABS PVT LTD. A-430, AGRASEN MARG

JAIPUR 302017 9314660100 REF. DOCTOR: SELF

ACCESSION NO: **0251WB000325**PATIENT ID : FH.10738454

CLIENT PATIENT ID: 012302050020

ABHA NO :

AGE/SEX :32 Years Male
DRAWN :05/02/2023 09:26:00
RECEIVED :05/02/2023 10:34:26

RECEIVED : 05/02/2023 10:34:26 REPORTED :05/02/2023 16:05:56

Test Report Status Final Results Biological Reference Interval Units

i	AEMATOLOGY - CBC		
MEDI WHEEL FULL BODY HEALTH CHECK UP B	ELOW 40 MALE		
BLOOD COUNTS,EDTA WHOLE BLOOD			
HEMOGLOBIN (HB)  METHOD: CYANIDE FREE DETERMINATION	14.7	13.0 - 17.0	g/dL
RED BLOOD CELL (RBC) COUNT METHOD: ELECTRICAL IMPEDANCE	4.57	4.5 - 5.5	mil/μL
WHITE BLOOD CELL (WBC) COUNT METHOD: ELECTRICAL IMPEDANCE	4.70	4.0 - 10.0	thou/μL
PLATELET COUNT  METHOD: ELECTRONIC IMPEDANCE	182	150 - 410	thou/μL
RBC AND PLATELET INDICES			
HEMATOCRIT (PCV)  METHOD: CALCULATED PARAMETER	44.5	40 - 50	%
MEAN CORPUSCULAR VOLUME (MCV)  METHOD: CALCULATED PARAMETER	97.0	83 - 101	fL
MEAN CORPUSCULAR HEMOGLOBIN (MCH)  METHOD: CALCULATED PARAMETER	32.2 High	27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) METHOD: CALCULATED PARAMETER	33.1	31.5 - 34.5	g/dL
RED CELL DISTRIBUTION WIDTH (RDW) METHOD: CALCULATED PARAMETER	13.6	11.6 - 14.0	%
MENTZER INDEX	21.2		
MEAN PLATELET VOLUME (MPV)  METHOD: CALCULATED PARAMETER	10.6	6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT			
NEUTROPHILS  METHOD: IMPEDANCE WITH HYDRO FOCUS AND MICROSCOPY	60	40 - 80	%
LYMPHOCYTES  METHOD: IMPEDANCE WITH HYDRO FOCUS AND MICROSCOPY	30	20 - 40	%
MONOCYTES  METHOD: IMPEDANCE WITH HYDRO FOCUS AND MICROSCOPY	06	2 - 10	%
EOSINOPHILS METHOD: IMPEDANCE WITH HYDRO FOCUS AND MICROSCOPY	04	1 - 6	%

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BASOPHILS  METHOD: IMPEDANCE WITH HYDRO FOCUS AND MICROSCOPY	00	0 - 2	%
ABSOLUTE NEUTROPHIL COUNT METHOD: CALCULATED PARAMETER	2.82	2.0 - 7.0	thou/μL
ABSOLUTE LYMPHOCYTE COUNT METHOD: CALCULATED PARAMETER	1.41	1.0 - 3.0	thou/μL
ABSOLUTE MONOCYTE COUNT METHOD: CALCULATED PARAMETER	0.28	0.2 - 1.0	thou/μL
ABSOLUTE EOSINOPHIL COUNT METHOD: CALCULATED PARAMETER	0.19	0.02 - 0.50	thou/μL
ABSOLUTE BASOPHIL COUNT NEUTROPHIL LYMPHOCYTE RATIO (NLR)	<b>0 Low</b> 2.0	0.02 - 0.10	thou/μL

Interpretation(s)
BLOOD COUNTS, EDTA WHOLE BLOOD-The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology.

RBC AND PLATELET INDICES-Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13) from Beta thalassaemia trait

(<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for diagnosing a case of beta thalassaemia trait.

WBC DIFFERENTIAL COUNT-The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease.

(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504 This ratio element is a calculated parameter and out of NABL scope.

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## **HAEMATOLOGY**

#### MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

#### **ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE BLOOD**

E.S.R 0 - 14mm at 1 hr

METHOD: AUTOMATED (PHOTOMETRICAL CAPILLARY STOPPED FLOW KINETIC ANALYSIS)"

#### Interpretation(s)

ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE BLOOD-TEST DESCRIPTION :-

Erythrocyte sedimentation rate (ESR) is a test that indirectly measures the degree of inflammation present in the body. The test actually measures the rate of fall (sedimentation) of erythrocytes in a sample of blood that has been placed into a tall, thin, vertical tube. Results are reported as the millimetres of clear fluid (plasma) that are present at the top portion of the tube after one hour. Nowadays' fully automated instruments are available to measure ESR.

ESR is not diagnostic; it is a non-specific test that may be elevated in a number of different conditions. It provides general information about the presence of an inflammatory condition.CRP is superior to ESR because it is more sensitive and reflects a more rapid change. **TEST INTERPRETATION** 

Increase in: Infections, Vasculities, Inflammatory arthritis, Renal disease, Anemia, Malignancies and plasma cell dyscrasias, Acute allergy Tissue injury, Pregnancy, Estrogen medication, Aging,

Finding a very accelerated ESR(>100 mm/hour) in patients with ill-defined symptoms directs the physician to search for a systemic disease (Paraproteinemias,

Disseminated malignancies, connective tissue disease, severe infections such as bacterial endocarditis). In pregnancy BRI in first trimester is 0-48 mm/hr(62 if anemic) and in second trimester (0-70 mm /hr(95 if anemic). ESR returns to normal 4th week post partum. Decreased in: Polycythermia vera, Sickle cell anemia

False elevated ESR: Increased fibrinogen, Drugs(Vitamin A, Dextran etc), Hypercholesterolemia False Decreased: Poikilocytosis,(SickleCells,spherocytes),Microcytosis, Low fibrinogen, Very high WBC counts, Drugs(Quinine,

salicylates)

1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition; 2. Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin; 3. The reference for the adult reference range is "Practical Haematology by Dacie and Lewis, 10th edition.

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## **IMMUNOHAEMATOLOGY**

### MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

#### **ABO GROUP & RH TYPE, EDTA WHOLE BLOOD**

**ABO GROUP** TYPE A

METHOD: TUBE AGGLUTINATION

**POSITIVE** RH TYPE

METHOD: TUBE AGGLUTINATION

#### Interpretation(s)

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD-Blood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same.'

The test is performed by both forward as well as reverse grouping methods.

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**BIOCHEMISTRY** 

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

**GLUCOSE FASTING, FLUORIDE PLASMA** 

FBS (FASTING BLOOD SUGAR) 86 74 - 99 mg/dL

METHOD: GLUCOSE OXIDASE

 ${\tt GLYCOSYLATED\ HEMOGLOBIN(HBA1C),\ EDTA\ WHOLE\ BLOOD}$ 

HBA1C 5.6 Non-diabetic: < 5.7 %

Pre-diabetics: 5.7 - 6.4
Diabetics: > or = 6.5
Therapeutic goals: < 7.0
Action suggested: > 8.0
(ADA Guideline 2021)

METHOD: HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

ESTIMATED AVERAGE GLUCOSE(EAG) 114.0 < 116.0 mg/dL

METHOD: CALCULATED PARAMETER

GLUCOSE, POST-PRANDIAL, PLASMA

PPBS(POST PRANDIAL BLOOD SUGAR) 80 70 - 140 mg/dL

METHOD : GLUCOSE OXIDASE

LIPID PROFILE, SERUM

CHOLESTEROL, TOTAL **213 High** < 200 Desirable mg/dL

200 - 239 Borderline High

>/= 240 High

METHOD: CHOLESTEROL OXIDASE

TRIGLYCERIDES 124 < 150 Normal mg/dL

150 - 199 Borderline High

200 - 499 High >/=500 Very High

METHOD: LIPASE/GPO-PAP NO CORRECTION

HDL CHOLESTEROL 50 < 40 Low mg/dL

>/=60 High

METHOD : DIRECT CLEARANCE METHOD

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CHOLESTEROL LDL	139 High	< 100 Optimal 100 - 129 Near optimal/ above optima 130 - 159 Borderline High 160 - 189 High >/= 190 Very High	mg/dL il
NON HDL CHOLESTEROL	163 High	Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	mg/dL
METHOD: CALCULATED PARAMETER		, 3	
VERY LOW DENSITY LIPOPROTEIN	24.8	= 30.0</td <td>mg/dL</td>	mg/dL
CHOL/HDL RATIO	4.3	3.3 - 4.4 Low Risk 4.5 - 7.0 Average Risk 7.1 - 11.0 Moderate Risk > 11.0 High Risk	
LDL/HDL RATIO	2.8	0.5 - 3.0 Desirable/Low Risl 3.1 - 6.0 Borderline/Modera Risk >6.0 High Risk	
Interpretation(s)			
LIVER FUNCTION PROFILE, SERUM			
BILIRUBIN, TOTAL  METHOD: DIAZO WITH SULPHANILIC ACID	0.91	0 - 1	mg/dL
BILIRUBIN, DIRECT METHOD: DIAZO WITH SULPHANILIC ACID	0.28 High	0.00 - 0.25	mg/dL
BILIRUBIN, INDIRECT  METHOD: CALCULATED PARAMETER	0.63	0.1 - 1.0	mg/dL
TOTAL PROTEIN  METHOD: BIURET REACTION, END POINT	8.2	6.4 - 8.2	g/dL
ALBUMIN	4.8 High	3.8 - 4.4	g/dL

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Test Report Status <u>Final</u>	Results	Biological Reference	e Interval Units
METHOD: BROMOCRESOL GREEN			
GLOBULIN	3.4	2.0 - 4.1	g/dL
METHOD : CALCULATED PARAMETER	5.11	2.0 1.1	9, 42
ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER	1.4	1.0 - 2.1	RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT)  METHOD: TRIS BUFFER NO P5P IFCC / SFBC 37° C	49 High	0 - 37	U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT)	78 High	0 - 40	U/L
METHOD: TRIS BUFFER NO P5P IFCC / SFBC 37° C			
ALKALINE PHOSPHATASE  METHOD: AMP OPTIMISED TO IFCC 37° C	77	39 <b>-</b> 117	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT)	21	11 - 50	U/L
METHOD : GAMMA GLUTAMYL-3 CARBOXY-4 NITROANILIDE (IFCC	) 37° C		
LACTATE DEHYDROGENASE	547 High	230 <b>-</b> 460	U/L
BLOOD UREA NITROGEN (BUN), SERUM			
BLOOD UREA NITROGEN  METHOD: UREASE KINETIC	10	5.0 - 18.0	mg/dL
CREATININE, SERUM			
CREATININE	0.92	0.8 - 1.3	mg/dL
METHOD : ALKALINE PICRATE NO DEPROTEINIZATION			
BUN/CREAT RATIO			
BUN/CREAT RATIO  METHOD: CALCULATED PARAMETER	10.87		
URIC ACID, SERUM			
URIC ACID  METHOD: URICASE PEROXIDASE WITH ASCORBATE OXIDASE	6.9	3.4 - 7.0	mg/dL
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN  METHOD: BIURET REACTION, END POINT	8.2	6.4 - 8.3	g/dL
ALBUMIN, SERUM			
ALBUMIN	4.8 High	3.8 - 4.4	g/dL
METHOD: BROMOCRESOL GREEN	-		-
GLOBULIN			
GLOBULIN	3.4	2.0 - 4.1	g/dL



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ELECTROLYTES (NA/K/CL), SERUM			
SODIUM, SERUM  METHOD: ION-SELECTIVE ELECTRODE	141.2	137 - 145	mmo <b>l</b> /L
POTASSIUM, SERUM  METHOD: ION-SELECTIVE ELECTRODE	4.46	3.6 - 5.0	mmo <b>l</b> /L
CHLORIDE, SERUM	103.4	98 <b>-</b> 107	mmo <b>l</b> /L

Interpretation(s)

METHOD: ION-SELECTIVE ELECTRODE

#### Interpretation(s)

GLUCOSE FASTING, FLUORIDE PLASMA-TEST DESCRIPTION

Normally, the glucose concentration in extracellular fluid is closely regulated so that a source of energy is readily available to tissues and sothat no glucose is excreted in the urine.

#### Increased in

Diabetes mellitus, Cushing's syndrome (10 – 15%), chronic pancreatitis (30%). Drugs:corticosteroids,phenytoin, estrogen, thiazides. **Decreased in** 

Pancreatic islet cell disease with increased insulin,insulinoma, adrenocortical insufficiency, hypopituitarism, diffuse liver disease, malignancy (adrenocortical, stomach, fibrosarcoma), infant of a diabetic mother, enzyme deficiency diseases(e.g., galactosemia), Drugs- insulin, ethanol, propranolol; sulfonylureas, tolbutamide, and other oral hypoglycemic agents.

while random serum glucose levels correlate with home glucose monitoring results (weekly mean capillary glucose values), there is wide fluctuation within individuals. Thus, glycosylated hemoglobin(HbA1c) levels are favored to monitor glycemic control.

High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glyosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc. GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD-**Used For**:

- 1. Evaluating the long-term control of blood glucose concentrations in diabetic patients.
- Diagnosing diabetes.
- 3. Identifying patients at increased risk for diabetes (prediabetes).

The ADA recommends measurement of HbA1c (typically 3-4 times per year for type 1 and poorly controlled type 2 diabetic patients, and 2 times per year for well-controlled type 2 diabetic patients) to determine whether a patients metabolic control has remained continuously within the target range.

- 1.eAG (Estimated average glucose) converts percentage HbA1c to md/dl, to compare blood glucose levels.
  2. eAG gives an evaluation of blood glucose levels for the last couple of months.
  3. eAG is calculated as eAG (mg/dl) = 28.7 \* HbA1c 46.7

#### HbA1c Estimation can get affected due to:

I.Shortened Erythrocyte survival: Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g. recovery from acute blood loss,hemolytic anemia) will falsely lower HbA1c test results. Fructosamine is recommended in these patients which indicates diabetes control over 15 days.

II.Vitamin C & E are reported to falsely lower test results (possibly by inhibiting glycation of hemoglobin.

III.Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia, uremia, hyperbilirubinemia, chronic alcoholism,chronic ingestion of salicylates & opiates addiction are reported to interfere with some assay methods,falsely increasing results.

IV.Interference of hemoglobinopathies in HbA1c estimation is seen in a.Homozygous hemoglobinopathy. Fructosamine is recommended for testing of HbA1c.

b.Heterozygous state detected (D10 is corrected for HbS & HbC trait.)

c.HbF > 25% on alternate paltform (Boronate affinity chromatography) is recommended for testing of HbA1c.Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

GLUCOSE, POST-PRANDIAL, PLASMA-High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glyosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.Additional test HbA1c LIVER FUNCTION PROFILE, SERUM-LIVER FUNCTION PROFILE

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Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin wiral hepatitis, Drug reactions, Alcoholic liver disease Conjugated (direct) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors & Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that

attaches sugar molecules to bilirubin.
AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity. ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys,heart,muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health.AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget''''s disease,Rickets,Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia,Malnutrition,Protein deficiency,Wilson'''s disease.GGT is an enzyme found in cell membranes of many tissues mainly in the liver,kidney and pancreas. It is also found in other tissues including intestine, spleen, heart, brain and seminal vesicles. The highest concentration is in the kidney, but the liver is considered the source of normal enzyme activity. Serum GGT has been widely used as an index of liver dysfunction. Elevated serum GGT activity can be found in diseases of the liver, biliary system and pancreas Conditions that increase serum GGT are obstructive liver disease, high alcohol consumption and use of enzyme-inducing drugs etc. Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom'''s disease.Lower-than-normal levels may be due to: Agammaglobulinemia,Bleeding (hemorrhage),Burns,Glomerulonephritis,Liver disease, Malabsorption,Malnutrition,Nephrotic syndrome,Protein-losing enteropathy etc.Human serum albumin is the most abundant protein in human blood plasma.It is produced in the liver Albumin constitutes about half of the blood serum protein.Low blood albumin levels (hypoalbuminemia) can be caused by:Liver disease like cirrhosis of the liver, nephrotic syndrome,protein-losing enteropathy,Burns,hemodilution,increased vascular permeability or decreased lymphatic clearance,malnutrition and wasting etc
BLOOD UREA NITROGEN (BUN), SERUM-Causes of Increased levels include Pre renal (High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol,

Dehydration, CHF Renal), Renal Failure, Post Renal (Malignancy, Nephrolithiasis, Prostatism) Causes of decreased level include Liver disease, SIADH.

CREATININE, SERUM-Higher than normal level may be due to:

- Blockage in the urinary tract
  Kidney problems, such as kidney damage or failure, infection, or reduced blood flow
- Loss of body fluid (dehydration)
- Muscle problems, such as breakdown of muscle fibers
- Problems during pregnancy, such as seizures (eclampsia)), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

- Myasthenia GravisMuscular dystrophy

URIC ACID, SERUM-Causes of Increased levels:-Dietary(High Protein Intake, Prolonged Fasting, Rapid weight loss), Gout, Lesch nyhan syndrome, Type 2 DM, Metabolic syndrome

Causes of decreased levels-Low Zinc intake, OCP, Multiple Sclerosis

TOTAL PROTEIN, SERUM-Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin

Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom""""""" disease Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc.

ALBUMIN, SERUM-Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum

protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance, malnutrition and wasting etc.

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RECEIVED :05/02/2023 10:34:26

REPORTED :05/02/2023 16:05:56

Test Report Status <u>Final</u> Results Biological Reference Interval Units

## **CLINICAL PATH - URINALYSIS**

#### MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

## PHYSICAL EXAMINATION, URINE

COLOR PALE YELLOW

 ${\tt METHOD}: {\tt GROSS} \ {\tt EXAMINATION}$ 

APPEARANCE CLEAR

METHOD: GROSS EXAMINATION

#### CHEMICAL EXAMINATION, URINE

PH 5.5 4.7 - 7.5

METHOD: DOUBLE INDICATOR PRINCIPLE

SPECIFIC GRAVITY <=1.005 1.003 - 1.035

METHOD: IONIC CONCENTRATION METHOD

PROTEIN NOT DETECTED NOT DETECTED

METHOD: PROTEIN ERROR OF INDICATORS WITH REFLECTANCE

GLUCOSE NOT DETECTED NOT DETECTED

METHOD: GLUCOSE OXIDASE PEROXIDASE / BENEDICTS

KETONES NOT DETECTED NOT DETECTED

METHOD: SODIUM NITROPRUSSIDE REACTION

METHOD: PEROCIDASE ANTI PEROXIDASE

BLOOD NOT DETECTED NOT DETECTED

BILIRUBIN NOT DETECTED NOT DETECTED

METHOD : DIPSTICK

UROBILINOGEN NORMAL NORMAL

METHOD: EHRLICH REACTION REFLECTANCE

NITRITE NOT DETECTED NOT DETECTED

 ${\tt METHOD}: {\tt NITRATE} \ {\tt TO} \ {\tt NITRITE} \ {\tt CONVERSION} \ {\tt METHOD}$ 

LEUKOCYTE ESTERASE NOT DETECTED NOT DETECTED

MICROSCOPIC EXAMINATION, URINE

RED BLOOD CELLS NOT DETECTED NOT DETECTED /HPF

 ${\tt METHOD}: {\tt MICROSCOPIC} \ {\tt EXAMINATION}$ 

PUS CELL (WBC'S) 2-3 0-5 /HPF

METHOD : DIPSTICK, MICROSCOPY

EPITHELIAL CELLS 0-1 0-5 /HPF

METHOD: MICROSCOPIC EXAMINATION

CASTS NOT DETECTED

Dr. Akansha Jain Consultant Pathologist Page 10 Of 14





View Details

View Report





CODE/NAME & ADDRESS: C000049066

SRL JAIPUR WELLNESS CORPORATE WALK IN
AAKRITI LABS PVT LTD. A-430, AGRASEN MARG

JAIPUR 302017 9314660100 REF. DOCTOR: SELF

ACCESSION NO: **0251WB000325**PATIENT ID : FH.10738454

CLIENT PATIENT ID: 012302050020

ABHA NO

AGE/SEX :32 Years Male DRAWN :05/02/2023 09:26:00

RECEIVED :05/02/2023 10:34:26 REPORTED :05/02/2023 16:05:56

Test Report Status Final Results Biological Reference Interval Units

METHOD: MICROSCOPIC EXAMINATION

CRYSTALS NOT DETECTED

METHOD: MICROSCOPIC EXAMINATION

METHOD: MICROSCOPIC EXAMINATION

BACTERIA NOT DETECTED NOT DETECTED

YEAST NOT DETECTED NOT DETECTED

Interpretation(s)

Dr. Akansha Jain Consultant Pathologist



View Details

View Report





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CODE/NAME & ADDRESS: C000049066 SRL JAIPUR WELLNESS CORPORATE WALK IN AAKRITI LABS PVT LTD. A-430, AGRASEN MARG

**JAIPUR 302017** 9314660100

**REF. DOCTOR:** SELF

ACCESSION NO: 0251WB000325

: FH.10738454 CLIENT PATIENT ID: 012302050020

ABHA NO

PATIENT ID

AGE/SEX :32 Years Male :05/02/2023 09:26:00 DRAWN

RECEIVED : 05/02/2023 10:34:26 REPORTED :05/02/2023 16:05:56

**Test Report Status** Results **Biological Reference Interval Units** <u>Final</u>

**CLINICAL PATH - STOOL ANALYSIS** 

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

PHYSICAL EXAMINATION, STOOL **COLOUR** 

METHOD: GROSS EXAMINATION

SAMPLE NOT RECEIVED

Dr. Abhishek Sharma **Consultant Microbiologist** 







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CODE/NAME & ADDRESS: C000049066
SRL JAIPUR WELLNESS CORPORATE WALK IN

AAKRITI LABS PVT LTD. A-430, AGRASEN MARG

JAIPUR 302017 9314660100 REF. DOCTOR: SELF

ACCESSION NO: **0251WB000325**PATIENT ID: FH.10738454

CLIENT PATIENT ID: 012302050020

ABHA NO

AGE/SEX :32 Years Male
DRAWN :05/02/2023 09:26:00

RECEIVED : 05/02/2023 10:34:26 REPORTED : 05/02/2023 16:05:56

Test Report Status Final Results Biological Reference Interval Units

#### **SPECIALISED CHEMISTRY - HORMONE**

## MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

#### THYROID PANEL, SERUM

• • • • • • • • • • • • • • • • • • • •			
T3 METHOD: CHEMILUMINESCENCE	110.99	60.0 - 181.0	ng/dL
T4	10.30	4.5 - 10.9	µg/dL
METHOD : CHEMILUMINESCENCE	10.50	4.3 - 10.9	μg/uc
TSH (ULTRASENSITIVE)	4.763	0.550 - 4.780	μIU/mL
METHOD : CHEMILUMINESCENCE			

#### Interpretation(s)

**Triiodothyronine T3**, **Thyroxine T4**, and **Thyroid Stimulating Hormone TSH** are thyroid hormones which affect almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate.

Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hyperthyroidism, TSH levels are low. owidetlparowidetlparBelow mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3. Measurement of the serum TT3 level is a more sensitive test for the diagnosis of hyperthyroidism, and measurement of TT4 is more useful in the diagnosis of hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active. It is advisable to detect Free T3, FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4.

Sr. No.	TSH	Total T4	FT4	Total T3	Possible Conditions
1	High	Low	Low	Low	(1) Primary Hypothyroidism (2) Chronic autoimmune Thyroiditis (3)
					Post Thyroidectomy (4) Post Radio-Iodine treatment
2	High	Normal	Normal	Normal	(1)Subclinical Hypothyroidism (2) Patient with insufficient thyroid
					hormone replacement therapy (3) In cases of Autoimmune/Hashimoto
					thyroiditis (4). Isolated increase in TSH levels can be due to Subclinical
					inflammation, drugs like amphetamines, Iodine containing drug and
					dopamine antagonist e.g. domperidone and other physiological reasons.
3	Normal/Low	Low	Low	Low	(1) Secondary and Tertiary Hypothyroidism
4	Low	High	High	High	(1) Primary Hyperthyroidism (Graves Disease) (2) Multinodular Goitre
					(3)Toxic Nodular Goitre (4) Thyroiditis (5) Over treatment of thyroid
					hormone (6) Drug effect e.g. Glucocorticoids, dopamine, T4
					replacement therapy (7) First trimester of Pregnancy
5	Low	Normal	Normal	Normal	(1) Subclinical Hyperthyroidism
6	High	High	High	High	(1) TSH secreting pituitary adenoma (2) TRH secreting tumor
7	Low	Low	Low	Low	(1) Central Hypothyroidism (2) Euthyroid sick syndrome (3) Recent
					treatment for Hyperthyroidism

Dr. Akansha Jain Consultant Pathologist



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CODE/NAME & ADDRESS : C000049066

SRL JAIPUR WELLNESS CORPORATE WALK IN AAKRITI LABS PVT LTD. A-430, AGRASEN MARG

JAIPUR 302017 9314660100 REF. DOCTOR: SELF

ACCESSION NO : **0251WB000325** 

PATIENT ID : FH.10738454 CLIENT PATIENT ID: 012302050020

ABHA NO

AGE/SEX :32 Years Male DRAWN :05/02/2023 09:26:00

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Test Report Status <u>Final</u> Results Biological Reference Interval Units

8	Normal/Low	Normal	Normal	High	(1) T3 thyrotoxicosis (2) Non-Thyroidal illness
9	Low	High	High	Normal	(1) T4 Ingestion (2) Thyroiditis (3) Interfering Anti TPO antibodies

REF: 1. TIETZ Fundamentals of Clinical chemistry 2. Guidlines of the American Thyroid association during pregnancy and Postpartum, 2011. NOTE: It is advisable to detect Free T3,FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4.TSH is not affected by variation in thyroid - binding protein. TSH has a diurnal rhythm, with peaks at 2:00 - 4:00 a.m. And troughs at 5:00 - 6:00 p.m. With ultradian variations.

\*\*End Of Report\*\*
Please visit www.srlworld.com for related Test Information for this accession

Dr. Akansha Jain Consultant Pathologist



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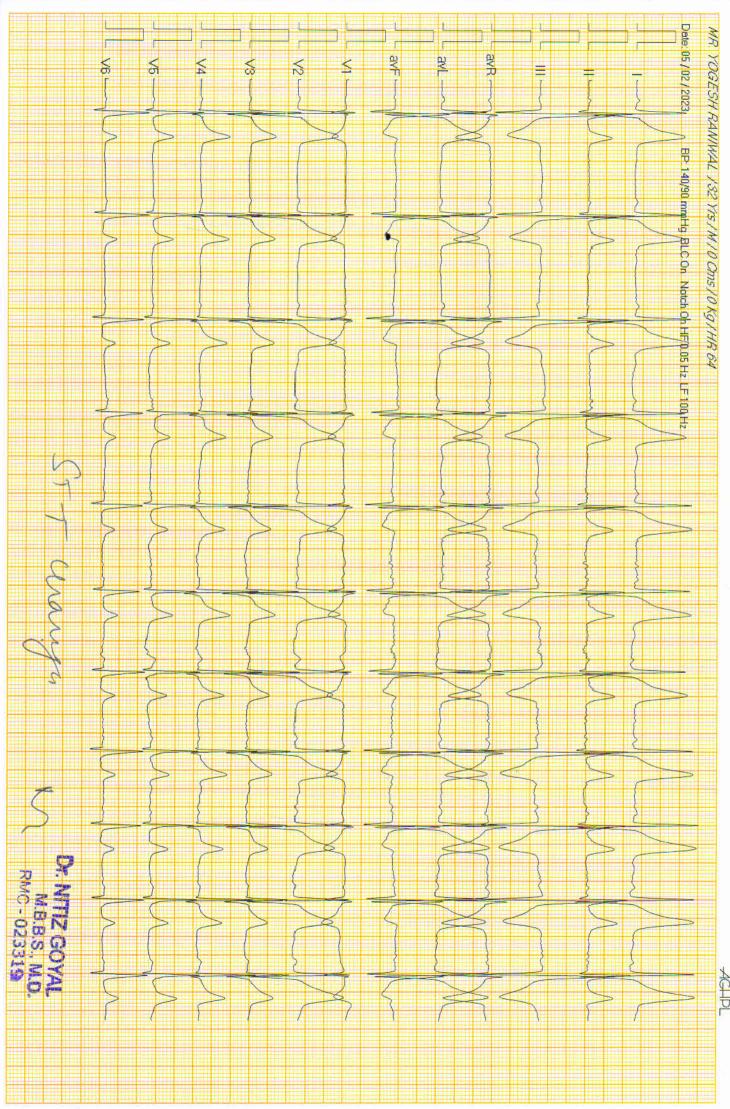


View Report









Report

ABS PVT.LTD.

AGAR MODE, TONK ROAD JAIPUR EMail:

	S I	Rate	% THR	BP	RPP
	21 0	060	32 %	140/90	084
9000	0	971	38 %	140/90	099
00 (	01.0	071	38 %	140/90	099
	01 0	072	38 %	140/90	100
	01 1 0	072	38 %	140/90	100
	24 7	091	48 %	140/90	127
	07.1	094	50 %	140/90	131
	10.2	<del>1</del>	61 %	140/90	161
	13.2	161	86 %	140/90	225
	04.3	120	64 %	140/90	168
	01.0	080	43%	170/103	136
	01.0	076	40 %	150/80	114
Duration Speed 0:07 01.1 0:10 00.0 0:03 00.0 0:20 00.0 0:04 00.0 0:04 00.0 0:05 01.7 3:00 03.7 2:43 04.3 1:00 00.0	Speed(mph) E 01.1 0 00.0 0 00.0 0 00.0 0 01.7 0 02.5 0 04.2 0 00.0 0	\$paed(mph) Elevation W 01.1 00.0 0 00.0 00.0 0 00.0 00.0 0 00.1 00.0 0 01.7 10.0 0 02.5 12.0 0 03.4 14.0 0 00.0 00.0 0 00.0 00.0 0	Speed(mph)         Elevation         METS         R           01.1         00.0         01.0         0           00.0         00.0         01.0         0           00.0         00.0         01.0         0           00.0         00.0         01.0         0           01.7         10.0         04.7         0           02.5         12.0         07.1         0           03.4         14.0         10.2         0           04.2         16.0         13.2         0           00.0         00.0         04.3         0           00.0         00.0         01.0         0	Speed(mph)         Elevation         METS         Rate         %           07.1         00.0         01.0         060         3           00.0         00.0         01.0         071         3           00.0         00.0         01.0         071         3           00.0         00.0         01.0         072         3           00.0         00.0         01.0         072         3           00.1.7         10.0         04.7         091         4           02.5         12.0         07.1         094         4           03.4         14.0         10.2         115         4           04.2         16.0         13.2         161         4           00.0         00.0         04.3         120         6           00.0         00.0         01.0         080         080           00.0         00.0         01.0         076         076	Speed(mph)         Elevation         METS         Ratio         % THR           07.1         00.0         01.0         060         32 %           00.0         00.0         01.0         071         38 %           00.0         00.0         01.0         071         38 %           00.0         00.0         01.0         072         38 %           00.0         00.0         01.0         072         38 %           01.7         10.0         04.7         091         48 %           02.5         12.0         07.1         094         50 %           03.4         14.0         10.2         115         61 %           04.2         16.0         13.2         161         86 %           00.0         00.0         04.3         120         64 %           00.0         00.0         01.0         080         43 %           00.0         00.0         01.0         076         40 %

FINAL IMPRESSION - TEST IS NEGATIVE FOR INDUCIBLE ISCHAEMIA

Doctor : DR. NITIZ GOYAL Dr. NIMZ GOYAL N.B.B.S. M.D. RNC (023319



# **Aakriti Labs**

3 Mahatma Gandhi Marg, Gandhi Nagar Mod Tonk Road, Jaipur (Raj.) Ph.: 0141-2710661

www.aakritilabs.com

CIN NO.: U85195RJ2004PTC019563

Yaglsh di / 32 lm / au 13374105

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-3.50 Paph. 619.

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Dr. RAKESH SHARMA M.S. OPTH B. OPTH



3 Mahatma Gandhi Marg, Gandhi Nagar Mod Tonk Road, Jaipur (Raj.) Ph.: 0141-2710661

www.aakritilabs.com

CIN NO.: U85195RJ2004PTC019563

PATIENT NAME: MR YOGESH RA	NIWAL	AGE & SEX: 32Y/M
REF. by: MEDIWHEEL	•	DATE: 05.02.2023

## USG: WHOLE ABDOMEN (Male)

LIVER

: Is normal in size, shape and echogenecity. The IHBR and hepatic radicals are not dilated. No evidence of focal echopoor/echorich lesion seen. Portal vein diameter and common bile duct appear normal.

: Is normal in size, shape and echotexture. Walls are smooth and BLADDER regular with normal thickness. There is no evidence of cholelithiasis.

PANCREAS: Is normal in size, shape and echotexture. Pancreatic duct is not dilated. SPLEEN: Is normal in size, shape and echogenecity. Spleenic hilum is not dilated.

KIDNEYS: Right Kidney:-Size: 101x39 mm, Left Kidney:-Size: 104x43 mm. Bilateral Kidneys are normal in size, shape and echotexture,

corticomedullary differentiation is fair and ratio appears normal.

Pelvi calyceal system is normal. No evidence of hydronephrosis/ nephrolithiasis.

URINARY: Bladder walls are smooth, regular and normal thickness.

BLADDER: No evidence of mass or stone in bladder lumen.

PROSTATE: Is normal in size, shape and echotexture,

measures: 31x25x22 mm, wt: 9 gms.

Its capsule is intact and no evidence of focal lesion.

SPECIFIC: No evidence of retroperitoneal mass or free fluid seen in peritoneal cavity. : NO evidence of lymphadenopathy or mass lesion in retroperitoneum. : Visualized bowel loop appear normal. Great vessels appear normal.

IMPRESSION: - NORMAL STUDY

DR NEERA ME MBBS, DMRD RMCNO.005807/14853



# akriti Labs

Tonk Road, Jaipur (Raj.) Ph.: 0141-2710661

www.aakritilabs.com

CIN NO.: U85195RJ2004PTC019563

## 

Name

: Mr. YOGESH RANIWAL

Age/Gender: 32 Y/Male

Patient ID : 012302050020

BarcodeNo: 10075376

Referred By: Self

Registration No: 51380

Registered

: 05/Feb/2023 09:26AM

Analysed

: 05/Feb/2023 10:16AM

Reported

: 05/Feb/2023 10:16AM

Panel

: Medi Wheel (ArcoFemi

Healthcare Ltd)

## DIGITAL X-RAY CHEST PA VIEW

Calcific opacities are seen in left upper zone.

Soft tissue shadow and bony cages are normal.

Trachea is central.

Both CP angle are clear.

Domes of diaphragm are normally placed.

Transverse diameter of heart appears with normal limits.

IMPRESSION:- OLD KOCH'S CHEST.

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

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Dr. Neera Mehta M.B.B.S., D.M.R.D. RMCNO.005807/14853