CODE/NAME & ADDRESS: C000138394

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, F-703, LADO SARAI, MEHRAULISOUTH WEST

DELH:

NEW DELHI 110030 8800465156 ACCESSION NO : 0181WA000561

PATIENT ID : DINFM120379181

CLIENT PATIENT ID:

ABHA NO :

AGE/SEX :43 Years

oex 110 rears

DRAWN :

RECEIVED : 14/01/2023 08:38:28 REPORTED : 18/01/2023 15:58:44

Male

Test Report Status Final Results Biological Reference Interval Units

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

XRAY-CHEST

IMPRESSION NO ABNORMALITY DETECTED

TMT OR ECHO

TMT OR ECHO NEGATIVE

ECG

ECG WITHIN NORMAL LIMITS

MEDICAL HISTORY

RELEVANT PRESENT HISTORY

NOT SIGNIFICANT
RELEVANT PAST HISTORY

NOT SIGNIFICANT

RELEVANT PERSONAL HISTORY MARRIED / 1 CHILD / MIXED DIET / NO ALLERGIES / NO SMOKING /

OCC ALCOHOL.

RELEVANT FAMILY HISTORY HIGH BLOOD PRESSURE : FATHER.

DIABETES : MOTHER.
NOT SIGNIFICANT

HISTORY OF MEDICATIONS

ANTHROPOMETRIC DATA & BMI

HEIGHT IN METERS 1.73 mts WEIGHT IN KGS. 67 Kgs

BMI & Weight Status as follows/sqmts

Below 18.5: Underweight 18.5 - 24.9: Normal 25.0 - 29.9: Overweight 30.0 and Above: Obese

GENERAL EXAMINATION

MENTAL / EMOTIONAL STATE NORMAL
PHYSICAL ATTITUDE NORMAL
GENERAL APPEARANCE / NUTRITIONAL HEALTHY

STATUS

BUILT / SKELETAL FRAMEWORK AVERAGE
FACIAL APPEARANCE NORMAL
SKIN NORMAL
UPPER LIMB NORMAL
LOWER LIMB NORMAL
NECK NORMAL

NECK LYMPHATICS / SALIVARY GLANDS NOT ENLARGED OR TENDER

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View Details

View Report

Tel: 9111591115, Fax: CIN - U74899PB1995PLC045956

CODE/NAME & ADDRESS : C000138394

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

THYROID GLAND NOT ENLARGED

CAROTID PULSATION NORMAL TEMPERATURE NORMAL

PULSE 68/MIN.REGULAR, ALL PERIPHERAL PULSES WELL FELT, NO CAROTID

BRUIT

RESPIRATORY RATE NORMAL

CARDIOVASCULAR SYSTEM

BP 120/80 MM HG mm/Hg

(SUPINE)

PERICARDIUM NORMAL
APEX BEAT NORMAL
HEART SOUNDS NORMAL
MURMURS ABSENT

RESPIRATORY SYSTEM

SIZE AND SHAPE OF CHEST

MOVEMENTS OF CHEST

BREATH SOUNDS INTENSITY

NORMAL

BREATH SOUNDS QUALITY VESICULAR (NORMAL)

ADDED SOUNDS ABSENT

PER ABDOMEN

APPEARANCE NORMAL
VENOUS PROMINENCE ABSENT
LIVER NOT PALPABLE

SPLEEN NOT PALPABLE
HERNIA ABSENT

CENTRAL NERVOUS SYSTEM

HIGHER FUNCTIONS NORMAL
CRANIAL NERVES NORMAL
CEREBELLAR FUNCTIONS NORMAL
SENSORY SYSTEM NORMAL
MOTOR SYSTEM NORMAL
REFLEXES NORMAL

MUSCULOSKELETAL SYSTEM

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NORMAL SPINE NORMAL JOINTS

BASIC EYE EXAMINATION

CONJUNCTIVA NORMAL **EYELIDS** NORMAL EYE MOVEMENTS NORMAL CORNEA NORMAL

DISTANT VISION RIGHT EYE WITHOUT WITHIN NORMAL LIMIT

GLASSES

DISTANT VISION LEFT EYE WITHOUT WITHIN NORMAL LIMIT

GLASSES

NEAR VISION RIGHT EYE WITHOUT GLASSES REDUCED VISUAL ACUITY N/12 REDUCED VISUAL ACUITY N/10 NEAR VISION LEFT EYE WITHOUT GLASSES NORMAL COLOUR VISION

SUMMARY

RELEVANT HISTORY NOT SIGNIFICANT

RELEVANT GP EXAMINATION FINDINGS REDUCED ACUITY FOR NEAR VISION. DENTAL CONSULT FOR DENTAL CARIES. REMARKS / RECOMMENDATIONS

LOW FAT, LOW CALORIE, LOW CARBOHYDRATE, HIGH FIBRE DIET, REGULAR EXERCISE.REGULAR WALK FOR 30-40 MIN DAILY. REPEAT LIPID PROFILE AFTER 3 MONTHS OF DIET AND EXERCISE.

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

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

ULTRASOUND ABDOMEN ULTRASOUND ABDOMEN

GRADE I FATTY LIVER.

Interpretation(s)
MEDICAL

THIS REPORT CARRIES THE SIGNATURE OF OUR LABORATORY DIRECTOR. THIS IS AN INVIOLABLE FEATURE OF OUR LAB MANAGEMENT SOFTWARE. HOWEVER, ALL EXAMINATIONS AND INVESTIGATIONS HAVE BEEN CONDUCTED BY OUR PANEL OF DOCTORS.

End Of Report

Please visit www.srlworld.com for related Test Information for this accession

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Patient Ref. No. 775000002143166

CODE/NAME & ADDRESS : C000138394

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, F-703, LADO SARAI, MEHRAULISOUTH WEST

DELHI

NEW DELHI 110030 8800465156 ACCESSION NO : 0181WA000561

PATIENT ID : DINEM120379181

CLIENT PATIENT ID:

ABHA NO

AGE/SEX :43 Years

Male

DRAWN :

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Test Report Status Final Results Biological Reference Interval Units

HAEMATOLOGY - CBC					
MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE					
BLOOD COUNTS, EDTA WHOLE BLOOD					
HEMOGLOBIN (HB)	13.7	13.0 - 17.0	g/dL		
METHOD : SLS-HEMOGLOBIN DETECTION METHOD					
RED BLOOD CELL (RBC) COUNT METHOD: HYDROD YNAMIC FOCUSING BY DC DETECTION	3.87 Low	4.5 - 5.5	mil/μL		
WHITE BLOOD CELL (WBC) COUNT METHOD: FLUORESCENCE FLOW CYTOMETRY	5.58	4.0 - 10.0	thou/μL		
PLATELET COUNT	256	150 - 410	thou/µL		
METHOD: HYDRODYNAMIC FOCUSING BY DC DETECTION					
RBC AND PLATELET INDICES					
HEMATOCRIT (PCV)	41.6	40.0 - 50.0	%		
METHOD: CUMULATIVE PULSE HEIGHT DETECTION METHOD					
MEAN CORPUSCULAR VOLUME (MCV)	107.5 High	83.0 - 101.0	fL		
METHOD: CALCULATED FROM RBC & HCT					
MEAN CORPUSCULAR HEMOGLOBIN (MCH) METHOD: CALCULATED FROM THE RBC & HGB	35.4 High	27.0 - 32.0	pg		
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) METHOD: CALCULATED FROM THE HGB & HCT	32.9	31.5 - 34.5	g/dL		
RED CELL DISTRIBUTION WIDTH (RDW) METHOD: CALCULATED FROM RBC SIZE DISTRIBUTION CURVE	12.8	11.6 - 14.0	%		
MENTZER INDEX	27.8				
MEAN PLATELET VOLUME (MPV)	10.9	6.8 - 10.9	fL		
METHOD : CALCULATED FROM PLATELET COUNT & PLATELET HEMA		0.0 10.3	12		
WBC DIFFERENTIAL COUNT					
NEUTROPHILS	53	40 - 80	%		
METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING					
LYMPHOCYTES	41 High	20 - 40	%		
METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING					
MONOCYTES	5	2 - 10	%		
METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING					
EOSINOPHILS METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING	1	1 - 6	%		



Dr.Priyal Chinchkhede Consultant Pathologist





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NEW DELHI 110030 8800465156

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ABHA NO

AGE/SEX

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DRAWN

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Test Report Status <u>Final</u>	Results	Biological Reference	Interval Units	
ABSOLUTE NEUTROPHIL COUNT	2.93	2.0 - 7.0	thou/µL	
METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING				
ABSOLUTE LYMPHOCYTE COUNT	2.27	1.0 - 3.0	thou/µL	
METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING				
ABSOLUTE MONOCYTE COUNT	0.28	0.2 - 1.0	thou/μL	
METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING				
ABSOLUTE EOSINOPHIL COUNT	0.07	0.02 - 0.50	thou/μL	
METHOD: FLOW CYTOMETRY WITH LIGHT SCATTERING				
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	1.3			
MORPHOLOGY				
RBC	MACROCYTOSIS			
WBC	NORMAL MORPHOLOGY			
METHOD: MICROSCOPIC EXAMINATION				
PLATELETS	ADEQUATE			

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 dinical 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.



Dr.Prival Chinchkhede Consultant Pathologist





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8800465156

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:43 Years Male

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Test Report Status Results Biological Reference Interval Einal

HAEMATOLOGY

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE BLOOD

E.S.R 9 < 15 mm at 1 hr

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)

REFERENCE:

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 Haem atology by Dacie and Lewis, 10th edition.



Dr.Prival Chinchkhede Consultant Pathologist





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:43 Years Male

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

IMMUNOHAEMATOLOGY

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD

ABO GROUP TYPE B

METHOD: GEL COLUMN AGGLUTINATION METHOD.

RH TYPE POSITIVE

METHOD: GEL COLUMN AGGLUTINATION METHOD.

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.

Disdaimer: "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.

Bhinchkhede.

Dr.Prival Chinchkhede Consultant Pathologist Dr. Ushma Wartikar Consultant Pathologist



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Fax:



CODE/NAME & ADDRESS: C000138394

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, F-703, LADO SARAI, MEHRAULISOUTH WEST

NEW DELHI 110030 8800465156

PATIENT ID

ACCESSION NO: 0181WA000561 : DINEM120379181

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AGE/SEX :43 **Years**

Male

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BIOCHEMISTRY

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE

BLOOD HBA1C

4.8

Non-diabetic Adult < 5.7 %

Pre-diabetes 5.7 - 6.4

Diabetes diagnosis: > or = 6.5Therapeutic goals: < 7.0 Action suggested: > 8.0

(ADA Guideline 2021)

METHOD: HPLC

ESTIMATED AVERAGE GLUCOSE(EAG)

91.1

< 116.0

mg/dL

METHOD: CALCULATED PARAMETER GLUCOSE FASTING, FLUORIDE PLASMA

FBS (FASTING BLOOD SUGAR)

96

Normal 75 - 99

mg/dL

Pre-diabetics: 100 - 125 Diabetic: > or = 126

METHOD: ENZYMATIC REFERENCE METHOD WITH HEXOKINASE

GLUCOSE, POST-PRANDIAL, PLASMA

PPBS(POST PRANDIAL BLOOD SUGAR)

85

70 - 139

mg/dL

METHOD: ENZYMATIC REFERENCE METHOD WITH HEXOKINASE LIPID PROFILE, SERUM

CHOLESTEROL, TOTAL

157

Desirable cholesterol level

< 200

Borderline high cholesterol

200 - 239

High cholesterol

> / = 240

METHOD: ENZYMATIC COLORIMETRIC ASSAY

TRIGLYCERIDES

125

Normal: < 150

mg/dL

Borderline high: 150 - 199

High: 200 - 499

METHOD: ENZYMATIC COLORIMETRIC ASSAY

HDL CHOLESTEROL

35 Low

Very High: >/= 500

Low HDL Cholesterol <40 mg/dL

High HDL Cholesterol >/= 60

Dr. Ushma Wartikar Consultant Pathologist Bhinchkhede

Dr.Prival Chinchkhede

Consultant Pathologist

Dr.(Mrs)Neelu K Bhojani

Lab Head





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CODE/NAME & ADDRESS : C000138394

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METHOD: ENZYMATIC, COLORIMETRIC		
CHOLESTEROL LDL	97	Adult levels: mg/dL Optimal < 100 Near optimal/above optimal: 100-129 Borderline high: 130-159 High: 160-189 Very high: = 190
METHOD : ENZYMATIC COLORIMETRIC ASSAY		
NON HDL CHOLESTEROL	122	Desirable: < 130 mg/dL Above Desirable: 130 -159 Borderline High: 160 - 189 High: 190 - 219 Very high: > / = 220
VERY LOW DENSITY LIPOPROTEIN	25.0	< OR = 30.0 mg/dL
CHOL/HDL RATIO	4.5 High	Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.0 Moderate Risk: 7.1 - 11.0 High Risk: > 11.0
LDL/HDL RATIO	2.8	0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk
Interpretation(s)		•
LIVER FUNCTION PROFILE, SERUM		
BILIRUBIN, TOTAL METHOD: COLORIMETRIC DIAZO	0.56	Upto 1.2 mg/dL
BILIRUBIN, DIRECT	0.30	< 0.30 mg/dL
BILIRUBIN, INDIRECT	0.26	0.1 - 1.0 mg/dL
TOTAL PROTEIN METHOD: COLORIMETRIC	7.4	6.0 - 8.0 g/dL
ALBUMIN METHOD: COLORIMETRIC	4.6	3.97 - 4.94 g/dL
GLOBULIN	2.8	2.0 - 3.5 g/dL
ALBUMIN/GLOBULIN RATIO	1.6	1.0 - 2.1 RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	22	< OR = 50 U/L

Dr. Ushma Wartikar Consultant Pathologist Bhinchkhede.

Dr.Priyal Chinchkhede Consultant Pathologist Dr.(Mrs)Neelu K Bhojani

Lab Head



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PATIENT NAME: DINESH SAWANT

CODE/NAME & ADDRESS: C000138394

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Male

DRAWN

REF. DOCTOR: SELF

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Test Report Status <u>Final</u>	Results	Biological Reference I	Interval Units
METHOD: UV ABSORBANCE			
ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: UV ABSORBANCE	24	< OR = 50	U/L
ALKALINE PHOSPHATASE METHOD: COLORIMETRIC	67	40 - 129	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: ENZYMATIC, COLORIMETRIC	14	0 - 60	U/L
LACTATE DEHYDROGENASE METHOD: UV ABSORBANCE	164	125 - 220	U/L
BLOOD UREA NITROGEN (BUN), SERUM			
BLOOD UREA NITROGEN METHOD: ENZYMATIC ASSAY	9	6 - 20	mg/dL
CREATININE, SERUM			
CREATININE METHOD: COLORIMETRIC	0.83	0.7 - 1.2	mg/dL
BUN/CREAT RATIO			
BUN/CREAT RATIO	10.84	8.0 - 15.0	
URIC ACID, SERUM			
URIC ACID METHOD: ENZYMATIC COLORIMETRIC ASSAY	6.4	3.4 - 7.0	mg/dL
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN METHOD: COLORIMETRIC	7.4	6.0 - 8.0	g/dL
ALBUMIN, SERUM			
ALBUMIN METHOD: COLORIMETRIC GLOBULIN	4.6	3.97 - 4.94	g/dL
GLOBULIN	2.8	2.0 - 3.5	g/dL
ELECTROLYTES (NA/K/CL), SERUM	2.0	2.0 - 3.3	grac
SODIUM, SERUM	140	136 - 145	mmol/L
POTASSIUM, SERUM	4.26	3.5 - 5.1	mmol/L
CHLORIDE, SERUM	102	98 - 107	mmol/L
Interpretation(s)	102	30 107	

Dr. Ushma Wartikar Consultant Pathologist Dhinehkhede.

Dr.Priyal Chinchkhede Consultant Pathologist Dr.(Mrs)Neelu K Bhojani Lab Head



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PATIENT NAME: DINESH SAWANT REF. DOCTOR: SELF CODE/NAME & ADDRESS: C000138394 ACCESSION NO: 0181WA000561 AGE/SEX :43 Years Male ACROFEMI HEALTHCARE LTD (MEDIWHEEL) DRAWN PATIENT ID : DINEM120379181 F-703, F-703, LADO SARAI, MEHRAULISOUTH WEST RECEIVED : 14/01/2023 08:38:28 CLIENT PATIENT ID: REPORTED :18/01/2023 15:58:44 **NEW DELHI 110030** ABHA NO 8800465156

Test Report Status Results Biological Reference Interval Units Einal

Interpretation(s)

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 FASTING, FLUORÍDE PLASMA-TEST DÉSCRIPTION

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.

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 Glycosuria, Glycaemic

index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.

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 Glycsuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc. Additional test HbA1c LIVER FUNCTION PROFILE, SERUM-LIVER FUNCTION PROFILE

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 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, block age 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, osteomalaciá, hepatitis, Hyperparathýroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ÁLP 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

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NEW DELHI 110030 8800465156

ACCESSION NO: 0181WA000561

PATIENT ID : DINEM120379181 AGE/SEX DRAWN

:43 Years Male

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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: Agammaqlobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-Josing 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
- Problem's during pregnancy, such as seizures (eclampsia)), or high blood pressure caused by pregnancy (preedampsia)

Lower than normal level may be due to:
• Myasthenia Gravis

- Múscular 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

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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REF. DOCTOR: SELF **PATIENT NAME: DINESH SAWANT**

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CLINICAL PATH - URINALYSIS

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

PHYSICAL EXAMINATION, URINE

COLOR PALE YELLOW

APPEARANCE CLEAR

CHEMICAL EXAMINATION, URINE

PΗ 6.5 5.00 - 7.50SPECIFIC GRAVITY 1.005 Low 1.010 - 1.030 **PROTEIN** NOT DETECTED NOT DETECTED GLUCOSE NOT DETECTED NOT DETECTED **KETONES** NOT DETECTED NOT DETECTED BLOOD NOT DETECTED NOT DETECTED UROBILINOGEN NORMAL NORMAL

NITRITE NOT DETECTED NOT DETECTED LEUKOCYTE ESTERASE NOT DETECTED NOT DETECTED

MICROSCOPIC EXAMINATION, URINE

RED BLOOD CELLS NOT DETECTED NOT DETECTED /HPF PUS CELL (WBC'S) 0-1 0-5 /HPF **EPITHELIAL CELLS** 0-10-5 /HPF

NOT DETECTED CASTS **CRYSTALS** NOT DETECTED

BACTERIA NOT DETECTED NOT DETECTED YEAST NOT DETECTED NOT DETECTED

Interpretation(s)



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CLINICAL PATH - STOOL ANALYSIS

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

PHYSICAL EXAMINATION, STOOL

COLOUR SAMPLE NOT RECEIVED

Dr. Sheetal Sawant Consultant Microbiologist



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ABHA NO :

AGE/SEX :4

:43 Years Male

μIU/mL

DRAWN

0.27 - 4.2

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SPECIALISED CHEMISTRY - HORMONE

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

THYROID PANEL, SERUM

 T3
 116.0
 80 - 200
 ng/dL

 METHOD: ELECTROCHEMILUMINESCENCE
 7.66
 5.1 - 14.1
 μg/dL

 METHOD: ELECTROCHEMILUMINESCENCE
 μg/dL

2.770

TSH (ULTRASENSITIVE)

METHOD: ELECTROCHEMILUMINESCENCE

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 hyporthyroidism, 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 hypothyroidism, 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.	TSII	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

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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.

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