

PATIENT NAME : BANDANA GUPTA

REF. DOCTOR : SELF

CODE/NAME & ADDRESS : C000138364

ARCOFEMI HEALTHCARE LTD (MEDIWHEEL
F-703, LADO SARAI, MEHRAULISOUTH WEST
DELHI
NEW DELHI 110030
8800465156

ACCESSION NO : 0321XD000061

PATIENT ID : BANDF180791201

CLIENT PATIENT ID:

ABHA NO :

AGE/SEX : 32 Years Female

DRAWN :

RECEIVED : 01/04/2024 08:58:40

REPORTED : 02/04/2024 17:48:49

Test Report Status	Preliminary	Results	Biological Reference Interval	Units
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MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE**XRAY-CHEST**

IMPRESSION NO ABNORMALITY DETECTED

ECG

ECG NORMAL SINUS RHYTHM

MEDICAL HISTORY

RELEVANT PRESENT HISTORY	NOT SIGNIFICANT
RELEVANT PAST HISTORY	P/H/O C- SECTION 2017 AND 2021
RELEVANT PERSONAL HISTORY	NOT SIGNIFICANT
MENSTRUAL HISTORY (FOR FEMALES)	REGULAR
LMP (FOR FEMALES)	16/03/2024
OBSTETRIC HISTORY (FOR FEMALES)	G2,P2,A0,L2
LCB (FOR FEMALES)	2021
RELEVANT FAMILY HISTORY	NOT SIGNIFICANT
OCCUPATIONAL HISTORY	NOT SIGNIFICANT
HISTORY OF MEDICATIONS	NOT SIGNIFICANT

ANTHROPOMETRIC DATA & BMI

HEIGHT IN METERS	1.55	mts
WEIGHT IN KGS.	67.6	Kgs
BMI	28	kg/sqmts

BMI & Weight Status as follows:
 Below 18.5: Underweight
 18.5 - 24.9: Normal
 25.0 - 29.9: Overweight
 30.0 and Above: Obese



Dr.Sahil .N.Shah
Consultant Radiologist



Dr.Priyank Kapadia
Physician

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Patient Ref. No. 775000007023659

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GENERAL EXAMINATION

MENTAL / EMOTIONAL STATE	NORMAL
PHYSICAL ATTITUDE	NORMAL
GENERAL APPEARANCE / NUTRITIONAL STATUS	OVERWEIGHT
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
THYROID GLAND	NOT ENLARGED
TEMPERATURE	NORMAL
PULSE	78/MIN
RESPIRATORY RATE	NORMAL

CARDIOVASCULAR SYSTEM

BP	124/82 MM HG (SITTING)	mm/Hg
PERICARDIUM	NORMAL	
APEX BEAT	NORMAL	
HEART SOUNDS	S1, S2 HEARD NORMALLY	
MURMURS	ABSENT	

RESPIRATORY SYSTEM

SIZE AND SHAPE OF CHEST	NORMAL
MOVEMENTS OF CHEST	SYMMETRICAL
BREATH SOUNDS INTENSITY	NORMAL
BREATH SOUNDS QUALITY	VESICULAR (NORMAL)



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ADDED SOUNDS

ABSENT

PER ABDOMEN

APPEARANCE

NORMAL

LIVER

NOT PALPABLE

SPLEEN

NOT PALPABLE

CENTRAL NERVOUS SYSTEM

HIGHER FUNCTIONS

NORMAL

CRANIAL NERVES

NORMAL

CEREBELLAR FUNCTIONS

NORMAL

SENSORY SYSTEM

NORMAL

MOTOR SYSTEM

NORMAL

REFLEXES

NORMAL

MUSCULOSKELETAL SYSTEM

SPINE

NORMAL

JOINTS

NORMAL

BASIC EYE EXAMINATION

DISTANT VISION RIGHT EYE WITH GLASSES

WITH GLASSES NORMAL

DISTANT VISION LEFT EYE WITH GLASSES

WITH GLASSES NORMAL

NEAR VISION RIGHT EYE WITHOUT GLASSES

WITHIN NORMAL LIMIT

NEAR VISION LEFT EYE WITHOUT GLASSES

WITHIN NORMAL LIMIT

COLOUR VISION

NORMAL



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SUMMARY

RELEVANT HISTORY

NOT SIGNIFICANT

RELEVANT GP EXAMINATION FINDINGS

NOT SIGNIFICANT

RELEVANT LAB INVESTIGATIONS

HEMOGLOBIN:- LOW,

LDL:- HIGH

RELEVANT NON PATHOLOGY DIAGNOSTICS

TOTAL T3:- LOW

REMARKS / RECOMMENDATIONS

NO ABNORMALITIES DETECTED

1) HEMOGLOBIN:- LOW,

ADV:- TAKE MORE DIETARY IRON

2) LDL:- HIGH

ADV:- LOW FAT DIET, REGULAR PHYSICAL EXERCISE

Comments

OUR PANEL DOCTORS FOR NON-PATHOLOGY TESTS:-

CHECK UP DONE BY:- DR. NAMRATA AGRAWAL (M.B.B.S)

REPORT REVIEWED BY:- DR. PRIYANK KAPADIYA (M.B.B.S DNB MEDICINE)

RADIOLOGIST:- DR. SAHIL N SHAH (M.D.RADIOLOGY)



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	PATIENT ID : BANDF180791201	DRAWN :	
	CLIENT PATIENT ID:	RECEIVED : 01/04/2024 08:58:40	
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MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE

ULTRASOUND ABDOMEN

ULTRASOUND ABDOMEN

NO ABNORMALITIES DETECTED

TMT OR ECHO

CLINICAL PROFILE

2D ECHO:-

- 1) NORMAL CHAMBERS AND VALVES.
- 2) GOOD LV SYSTOLIC FUNCTION. LVEF 60%. NO RWMA AT REST.
- 3) NO MR, AR, TR.
- 4) NORMAL LV COMPLIANCE.
- 5) NO PAH.
- 6) NO LV CLOT, VEGETATION OR PERICARDIAL EFFUSION.
- 7) IAS/IVS INTACT.

Interpretation(s)

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

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HAEMATOLOGY - CBC

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE

BLOOD COUNTS, EDTA WHOLE BLOOD

HEMOGLOBIN (HB)	10.3 Low	12.0 - 15.0	g/dL
METHOD : PHOTOMETRIC MEASUREMENT			
RED BLOOD CELL (RBC) COUNT	3.80	3.8 - 4.8	mil/ μ L
METHOD : COULTER PRINCIPLE			
WHITE BLOOD CELL (WBC) COUNT	6.05	4.0 - 10.0	thou/ μ L
METHOD : COULTER PRINCIPLE			
PLATELET COUNT	273	150 - 410	thou/ μ L
METHOD : COULTER PRINCIPLE			

RBC AND PLATELET INDICES

HEMATOCRIT (PCV)	33.4 Low	36.0 - 46.0	%
METHOD : CALCULATED			
MEAN CORPUSCULAR VOLUME (MCV)	87.9	83.0 - 101.0	fL
METHOD : DERIVED PARAMETER FROM RBC HISTOGRAM			
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	27.1	27.0 - 32.0	pg
METHOD : CALCULATED			
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC)	30.8 Low	31.5 - 34.5	g/dL
METHOD : CALCULATED			
RED CELL DISTRIBUTION WIDTH (RDW)	15.6 High	11.6 - 14.0	%
METHOD : DERIVED PARAMETER FROM RBC HISTOGRAM			
MENTZER INDEX	23.1		
METHOD : CALCULATED PARAMETER			
MEAN PLATELET VOLUME (MPV)	9.7	6.8 - 10.9	fL
METHOD : DERIVED PARAMETER FROM PLATELET HISTOGRAM			

WBC DIFFERENTIAL COUNT

NEUTROPHILS	54	40 - 80	%
METHOD : OPTICAL IMPEDENCE & MICROSCOPY			
LYMPHOCYTES	37	20 - 40	%
METHOD : OPTICAL IMPEDENCE & MICROSCOPY			



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MONOCYTES		4	2.0 - 10.0	%
METHOD : OPTICAL IMPEDENCE & MICROSCOPY				
EOSINOPHILS		5	1.0 - 6.0	%
METHOD : OPTICAL IMPEDENCE & MICROSCOPY				
BASOPHILS		0	0 - 1	%
METHOD : IMPEDANCE				
ABSOLUTE NEUTROPHIL COUNT		3.27	2.0 - 7.0	thou/ μ L
METHOD : CALCULATED				
ABSOLUTE LYMPHOCYTE COUNT		2.24	1.0 - 3.0	thou/ μ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE MONOCYTE COUNT		0.24	0.2 - 1.0	thou/ μ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE EOSINOPHIL COUNT		0.30	0.02 - 0.50	thou/ μ L
METHOD : CALCULATED				
ABSOLUTE BASOPHIL COUNT		0.00 Low	0.02 - 0.10	thou/ μ L
METHOD : CALCULATED				
NEUTROPHIL LYMPHOCYTE RATIO (NLR)		1.5		
METHOD : CALCULATED PARAMETER				

MORPHOLOGY

RBC	NORMOCYTIC NORMOCHROMIC
METHOD : MICROSCOPIC EXAMINATION	
WBC	NORMAL MORPHOLOGY
METHOD : MICROSCOPIC EXAMINATION	
PLATELETS	ADEQUATE
METHOD : MICROSCOPIC EXAMINATION	
REMARKS	NO PREMATURE CELLS ARE SEEN. MALARIAL PARASITE NOT DETECTED.
METHOD : MICROSCOPIC EXAMINATION	

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



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Patient Ref. No. 77500007023659

PATIENT NAME : BANDANA GUPTA

REF. DOCTOR : SELF

CODE/NAME & ADDRESS : C000138364

ACCESSION NO : **0321XD000061**

AGE/SEX : 32 Years Female

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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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HAEMATATOLOGY

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE

ERYTHROCYTE SEDIMENTATION RATE (ESR),EDTA BLOOD

E.S.R	31 High	0 - 20	mm at 1 hr
-------	---------	--------	------------

METHOD : WESTERGREN METHOD

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD

HBA1C	5.3	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)	%
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METHOD : HPLC

ESTIMATED AVERAGE GLUCOSE(EAG)	105.4	< 116.0	mg/dL
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Interpretation(s)

ERYTHROCYTE SEDIMENTATION RATE (ESR),EDTA 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, Vasculitides, 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: Polycythemia vera, Sickle cell anemia

LIMITATIONS

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)



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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 Haematology by Dacie and Lewis, 10th edition. GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD-**Used For:**

- Evaluating the long-term control of blood glucose concentrations in diabetic patients.
- Diagnosing diabetes.
- 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 patient's metabolic control has remained continuously within the target range.
- eAG (Estimated average glucose) converts percentage HbA1c to mg/dl, to compare blood glucose levels.
- eAG gives an evaluation of blood glucose levels for the last couple of months.
- eAG is calculated as $eAG (mg/dl) = 28.7 * HbA1c - 46.7$

HbA1c Estimation can get affected due to :

- 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.
- Vitamin C & E are reported to falsely lower test results. (possibly by inhibiting glycation of hemoglobin).
- Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia, uremia, hyperbilirubinemia, chronic alcoholism, chronic ingestion of salicylates & opiates addition are reported to interfere with some assay methods, falsely increasing results.
- Interference of hemoglobinopathies in HbA1c estimation is seen in

- Homozygous hemoglobinopathy. Fructosamine is recommended for testing of HbA1c.
- Heterozygous state detected (D10 is corrected for HbS & HbC trait.)
- HbF > 25% on alternate platform (Boronate affinity chromatography) is recommended for testing of HbA1c. Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

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IMMUNOHAEMATOLOGY

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD

ABO GROUP

TYPE AB

METHOD : TUBE AGGLUTINATION

RH TYPE

POSITIVE

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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PATIENT NAME : BANDANA GUPTA		REF. DOCTOR : SELF	
CODE/NAME & ADDRESS : C000138364		ACCESSION NO : 0321XD000061	AGE/SEX : 32 Years Female
ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156		PATIENT ID : BANDF180791201	DRAWN :
		CLIENT PATIENT ID:	RECEIVED : 01/04/2024 08:58:40
		ABHA NO :	REPORTED : 02/04/2024 17:48:49

Test Report Status	Preliminary	Results	Biological Reference Interval	Units
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BIOCHEMISTRY

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE

GLUCOSE FASTING,FLUORIDE PLASMA

FBS (FASTING BLOOD SUGAR)	92	74 - 99	mg/dL
METHOD : HEXOKINASE			

GLUCOSE, POST-PRANDIAL, PLASMA

PPBS(POST PRANDIAL BLOOD SUGAR)	95	70 - 140	mg/dL
METHOD : HEXOKINASE			

LIPID PROFILE WITH CALCULATED LDL, SERUM

CHOLESTEROL, TOTAL	187	Desirable: < 200 BorderlineHigh: 200 - 239 High: > or = 240	mg/dL
METHOD : ENZYMATIC, COLORIMETRIC			

TRIGLYCERIDES	96	Desirable: < 150 BorderlineHigh: 150 - 199 High: 200 - 499 Very High: > or = 500	mg/dL
METHOD : ENZYMATIC, COLORIMETRIC			

HDL CHOLESTEROL	54	< 40 Low > or = 60 High	mg/dL
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CHOLESTEROL LDL	114 High	Adult levels: Optimal < 100 Near optimal/above optimal: 100-129 Borderline high : 130-159 High : 160-189 Very high : = 190	mg/dL
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NON HDL CHOLESTEROL	133 High	Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	mg/dL
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VERY LOW DENSITY LIPOPROTEIN	19.2	< or = 30	mg/dL
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Consultant Pathologist



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CHOL/HDL RATIO		3.5	3.3 - 4.4	
LDL/HDL RATIO		2.1	0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk	

Interpretation(s)

Serum lipid profile is measured for cardiovascular risk prediction. Lipid Association of India recommends LDL-C as primary target and Non HDL-C as co-primary treatment target.

Risk Stratification for ASCVD (Atherosclerotic cardiovascular disease) by Lipid Association of India

Risk Category	
Extreme risk group	A.CAD with > 1 feature of high risk group B. CAD with > 1 feature of Very high risk group or recurrent ACS (within 1 year) despite LDL-C < or = 50 mg/dl or polyvascular disease
Very High Risk	1. Established ASCVD 2. Diabetes with 2 major risk factors or evidence of end organ damage 3. Familial Homozygous Hypercholesterolemia
High Risk	1. Three major ASCVD risk factors. 2. Diabetes with 1 major risk factor or no evidence of end organ damage. 3. CKD stage 3B or 4. 4. LDL >190 mg/dl 5. Extreme of a single risk factor. 6. Coronary Artery Calcium - CAC >300 AU. 7. Lipoprotein a >= 50mg/dl 8. Non stenotic carotid plaque
Moderate Risk	2 major ASCVD risk factors
Low Risk	0-1 major ASCVD risk factors
Major ASCVD (Atherosclerotic cardiovascular disease) Risk Factors	
1. Age > or = 45 years in males and > or = 55 years in females	3. Current Cigarette smoking or tobacco use
2. Family history of premature ASCVD	4. High blood pressure
5. Low HDL	

Newer treatment goals and statin initiation thresholds based on the risk categories proposed by LAI in 2020.

Risk Group	Treatment Goals		Consider Drug Therapy	
	LDL-C (mg/dl)	Non-HDL (mg/dl)	LDL-C (mg/dl)	Non-HDL (mg/dl)
Extreme Risk Group Category A	<50 (Optional goal < OR = 30)	< 80 (Optional goal <OR = 60)	>OR = 50	>OR = 80
Extreme Risk Group Category B	<OR = 30	<OR = 60	> 30	>60
Very High Risk	<50	<80	>OR= 50	>OR= 80
High Risk	<70	<100	>OR= 70	>OR= 100
Moderate Risk	<100	<130	>OR= 100	>OR= 130
Low Risk	<100	<130	>OR= 130*	>OR= 160

*After an adequate non-pharmacological intervention for at least 3 months.

References: Management of Dyslipidaemia for the Prevention of Stroke: Clinical Practice Recommendations from the Lipid Association of India. Current Vascular Pharmacology, 2022, 20, 134-155.

LIVER FUNCTION PROFILE, SERUM

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BILIRUBIN, TOTAL		0.16	Upto 1.2	mg/dL
BILIRUBIN, DIRECT		0.11	Upto 0.2	mg/dL
METHOD : DIAZO COLORIMETRIC				
BILIRUBIN, INDIRECT		0.05	0.00 - 1.00	mg/dL
TOTAL PROTEIN		7.3	6.4 - 8.3	g/dL
METHOD : COLORIMETRIC				
ALBUMIN		4.4	3.5 - 5.2	g/dL
METHOD : BROMOCRESOL GREEN				
GLOBULIN		2.9	2.0 - 4.1	g/dL
ALBUMIN/GLOBULIN RATIO		1.5	1.0 - 2.0	RATIO
ASPARTATE AMINOTRANSFERASE(AST/SGOT)		21	0 - 32	U/L
METHOD : IFCC WITHOUT PYRIDOXAL-5-PHOSPHATE				
ALANINE AMINOTRANSFERASE (ALT/SGPT)		9	0 - 33	U/L
METHOD : IFCC WITHOUT PYRIDOXAL-5-PHOSPHATE				
ALKALINE PHOSPHATASE		86	35 - 104	U/L
METHOD : COLORIMETRIC				
GAMMA GLUTAMYL TRANSFERASE (GGT)		14	5 - 36	U/L
METHOD : ENZYMATIC, COLORIMETRIC				
LACTATE DEHYDROGENASE		204	135 - 214	U/L
METHOD : UV ASSAY METHOD				

BLOOD UREA NITROGEN (BUN), SERUM

BLOOD UREA NITROGEN		7	6 - 20	mg/dL
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CREATININE, SERUM

CREATININE		0.48 Low	0.60 - 1.10	mg/dL
METHOD : JAFFE ALKALINE PICRATE				

BUN/CREAT RATIO

BUN/CREAT RATIO		14.58	5.0 - 15.0	
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URIC ACID, SERUM

URIC ACID	4.1	2.4 - 5.7	mg/dL
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TOTAL PROTEIN, SERUM

TOTAL PROTEIN	7.3	6.4 - 8.3	g/dL
---------------	-----	-----------	------

METHOD : COLORIMETRIC

ALBUMIN, SERUM

ALBUMIN	4.4	3.5 - 5.2	g/dL
---------	-----	-----------	------

METHOD : BROMOCRESOL GREEN

GLOBULIN

GLOBULIN	2.9	2.0 - 4.1	g/dL
----------	-----	-----------	------

ELECTROLYTES (NA/K/CL), SERUM

SODIUM, SERUM	141.0	136 - 145	mmol/L
---------------	-------	-----------	--------

METHOD : ISE

POTASSIUM, SERUM	4.35	3.3 - 5.1	mmol/L
------------------	------	-----------	--------

METHOD : ISE

CHLORIDE, SERUM	106.7 High	98 - 106	mmol/L
-----------------	-------------------	----------	--------

METHOD : ION SELECTIVE ELECTRODE TECHNOLOGY

Interpretation(s)

Sodium	Potassium	Chloride
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Test Report Status **Preliminary** **Results** **Biological Reference Interval** **Units**

<p>Decreased in:CCF,cirrhosis, vomiting, diarrhea, excessive sweating, salt-losing nephropathy,adrenal insufficiency, nephrotic syndrome, water intoxication, SIADH. Drugs: thiazides, diuretics, ACE inhibitors, chlorpropamide,carbamazepine,anti depressants (SSRI), antipsychotics.</p>	<p>Decreased in: Low potassium intake,prolonged vomiting or diarrhea, RTA types I and II, hyperaldosteronism, Cushing's syndrome,osmotic diuresis (e.g., hyperglycemia),alkalosis, familial periodic paralysis,trauma (transient).Drugs: Adrenergic agents, diuretics.</p>	<p>Decreased in: Vomiting, diarrhea, renal failure combined with salt deprivation, over-treatment with diuretics, chronic respiratory acidosis, diabetic ketoacidosis, excessive sweating, SIADH, salt-losing nephropathy, porphyria, expansion of extracellular fluid volume, adrenalinsufficiency, hyperaldosteronism,metabolic alkalosis. Drugs: chronic laxative,corticosteroids, diuretics.</p>
<p>Increased in: Dehydration (excessivesweating, severe vomiting or diarrhea),diabetes mellitus, diabetesinsipidus, hyperaldosteronism, inadequate water intake. Drugs: steroids, licorice,oral contraceptives.</p>	<p>Increased in: Massive hemolysis, severe tissue damage, rhabdomyolysis, acidosis, dehydration,renal failure, Addison' s disease, RTA type IV, hyperkalemic familial periodic paralysis. Drugs: potassium salts, potassium- sparing diuretics,NSAIDs, beta-blockers, ACE inhibitors, high-dose trimethoprim-sulfamethoxazole.</p>	<p>Increased in: Renal failure, nephrotic syndrome, RTA,dehydration, overtreatment with saline,hyperparathyroidism, diabetes insipidus, metabolic acidosis from diarrhea (Loss of HCO3-), respiratory alkalosis,hyperadrenocorticism. Drugs: acetazolamide,androgens, hydrochlorothiazide,salicylates.</p>
<p>Interferences: Severe lipemia or hyperproteinemi, if sodium analysis involves a dilution step can cause spurious results. The serum sodium falls about 1.6 mEq/L for each 100 mg/dL increase in blood glucose.</p>	<p>Interferences: Hemolysis of sample, delayed separation of serum, prolonged fist clenching during blood drawing, and prolonged tourniquet placement. Very high WBC/PLT counts may cause spurious. Plasma potassium levels are normal.</p>	<p>Interferences:Test is helpful in assessing normal and increased anion gap metabolic acidosis and in distinguishing hypercalcemia due to hyperparathyroidism (high serum chloride) from that due to malignancy (Normal serum chloride)</p>

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,hyppopituitarism,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.

NOTE: 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 Glycosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.Additional test HbA1c

LIVER FUNCTION PROFILE, SERUM-

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, 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

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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, Pagets disease,Rickets,Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia,Malnutrition,Protein deficiency,Wilsons 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.

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,Waldenstroms 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 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 Gravis, Muscuophy

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-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,Waldenstroms 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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CLINICAL PATH - URINALYSIS

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE

PHYSICAL EXAMINATION, URINE

COLOR	Yellow
APPEARANCE	Clear

CHEMICAL EXAMINATION, URINE

PH	5.5	4.7 - 7.5
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
SPECIFIC GRAVITY	1.015	1.003 - 1.035
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
PROTEIN	NOT DETECTED	NOT DETECTED
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
GLUCOSE	NOT DETECTED	NEGATIVE
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
KETONES	NOT DETECTED	NOT DETECTED
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
BLOOD	NOT DETECTED	NEGATIVE
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
BILIRUBIN	NOT DETECTED	NOT DETECTED
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
UROBILINOGEN	NORMAL	NORMAL
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
NITRITE	NOT DETECTED	NOT DETECTED
METHOD : REFLECTANCE SPECTROPHOTOMETRY		
LEUKOCYTE ESTERASE	NOT DETECTED	NOT DETECTED
METHOD : REFLECTANCE SPECTROPHOTOMETRY		

MICROSCOPIC EXAMINATION, URINE

RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF
METHOD : MICROSCOPIC EXAMINATION			
PUS CELL (WBC'S)	0-1	0-5	/HPF
METHOD : MICROSCOPIC EXAMINATION			
EPITHELIAL CELLS	1-2	0-5	/HPF

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METHOD : MICROSCOPIC EXAMINATION CASTS	NOT DETECTED			
METHOD : MICROSCOPIC EXAMINATION CRYSTALS	NOT DETECTED			
METHOD : MICROSCOPIC EXAMINATION BACTERIA	NOT DETECTED	NOT DETECTED		
METHOD : MICROSCOPIC EXAMINATION YEAST	NOT DETECTED	NOT DETECTED		
METHOD : MICROSCOPIC EXAMINATION REMARKS	MICROSCOPIC EXAMINATION OF URINE IS CARRIED OUT ON CENTRIFUGED URINARY SEDIMENT.			

Interpretation(s)

The following table describes the probable conditions, in which the analytes are present in urine

Presence of	Conditions
Proteins	Inflammation or immune illnesses
Pus (White Blood Cells)	Urinary tract infection, urinary tract or kidney stone, tumors or any kind of kidney impairment
Glucose	Diabetes or kidney disease
Ketones	Diabetic ketoacidosis (DKA), starvation or thirst
Urobilinogen	Liver disease such as hepatitis or cirrhosis
Blood	Renal or genital disorders/trauma
Bilirubin	Liver disease
Erythrocytes	Urological diseases (e.g. kidney and bladder cancer, urolithiasis), urinary tract infection and glomerular diseases
Leukocytes	Urinary tract infection, glomerulonephritis, interstitial nephritis either acute or chronic, polycystic kidney disease, urolithiasis, contamination by genital secretions
Epithelial cells	Urolithiasis, bladder carcinoma or hydronephrosis, ureteric stents or bladder catheters for prolonged periods of time
Granular Casts	Low intratubular pH, high urine osmolality and sodium concentration, interaction with Bence-Jones protein
Hyaline casts	Physical stress, fever, dehydration, acute congestive heart failure, renal diseases

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PATIENT NAME : BANDANA GUPTA

REF. DOCTOR : SELF

CODE/NAME & ADDRESS : C000138364

ACCESSION NO : 0321XD000061

AGE/SEX : 32 Years Female

ARCOFEMI HEALTHCARE LTD (MEDIWHEEL
F-703, LADO SARAI, MEHRAULISOUTH WEST
DELHI
NEW DELHI 110030
8800465156

PATIENT ID : BANDF180791201

DRAWN :

CLIENT PATIENT ID:

RECEIVED : 01/04/2024 08:58:40

ABHA NO :

REPORTED : 02/04/2024 17:48:49

Test Report Status	<u>Preliminary</u>	Results	Biological Reference Interval	Units
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Calcium oxalate	Metabolic stone disease, primary or secondary hyperoxaluria, intravenous infusion of large doses of vitamin C, the use of vasodilator naftidrofuryl oxalate or the gastrointestinal lipase inhibitor orlistat, ingestion of ethylene glycol or of star fruit (Averrhoa carambola) or its juice
Uric acid	arthritis
Bacteria	Urinary infection when present in significant numbers & with pus cells.
Trichomonas vaginalis	Vaginitis, cervicitis or salpingitis

Dr. Miral Gajera
Consultant Pathologist



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Patient Ref. No. 775000007023659

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CYTOLOGY**MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE****PAPANICOLAOU SMEAR**

TEST METHOD

CONVENTIONAL GYNEC CYTOLOGY

SPECIMEN TYPE

TWO UNSTAINED CERVICAL SMEARS RECEIVED

REPORTING SYSTEM

2014 BETHESDA SYSTEM FOR REPORTING CERVICAL CYTOLOGY

SPECIMEN ADEQUACY

SATISFACTORY

MICROSCOPY

 SMEARS SHOW PREDOMINANTLY SUPERFICIAL AND INTERMEDIATE
 SQUAMOUS CELLS AGAINST BACKGROUND OF MILD ACUTE
 INFLAMMATION. ENDOCERVICAL CELLS ARE NOT SEEN ON SMEARS. NO
 EVIDENCE OF DYSPLASIA OR MALIGNANT CELLS SEEN.

INTERPRETATION / RESULT

NEGATIVE FOR INTRAEPITHELIAL LESION OR MALIGNANCY

Comments
 PAP SMEAR IS A SCREENING PROCEDURE FOR CERVICAL CANCER WITH INHERENT FALSE NEGATIVE RESULTS HENCE RESULTS SHOULD BE
 INTERPRETED WITH CAUTION.


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PATIENT NAME : BANDANA GUPTA

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CODE/NAME & ADDRESS : C000138364

ACCESSION NO : **0321XD000061**

AGE/SEX : 32 Years Female

ARCOFEMI HEALTHCARE LTD (MEDIWHEEL
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PATIENT ID : BANDF180791201

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CLINICAL PATH - STOOL ANALYSIS

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40 FEMALE RESULT PENDING

PHYSICAL EXAMINATION,STOOL RESULT PENDING

CHEMICAL EXAMINATION,STOOL RESULT PENDING

MICROSCOPIC EXAMINATION,STOOL RESULT PENDING



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SPECIALISED CHEMISTRY - HORMONE

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE

THYROID PANEL, SERUM

T3	77.90 Low	Non-Pregnant Women 80.0 - 200.0 Pregnant Women 1st Trimester: 105.0 - 230.0 2nd Trimester: 129.0 - 262.0 3rd Trimester: 135.0 - 262.0	ng/dL
T4	5.28	Non-Pregnant Women 5.10 - 14.10 Pregnant Women 1st Trimester: 7.33 - 14.80 2nd Trimester: 7.93 - 16.10 3rd Trimester: 6.95 - 15.70	µg/dL
TSH (ULTRASENSITIVE)	3.740	Non Pregnant Women 0.27 - 4.20 Pregnant Women (As per American Thyroid Association) 1st Trimester 0.100 - 2.500 2nd Trimester 0.200 - 3.000 3rd Trimester 0.300 - 3.000	µIU/mL

End Of Report

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


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CONDITIONS OF LABORATORY TESTING & REPORTING

- It is presumed that the test sample belongs to the patient named or identified in the test requisition form.
- All tests are performed and reported as per the turnaround time stated in the AGILUS Directory of Services.
- Result delays could occur due to unforeseen circumstances such as non-availability of kits / equipment breakdown / natural calamities / technical downtime or any other unforeseen event.
- A requested test might not be performed if:
 - Specimen received is insufficient or inappropriate
 - Specimen quality is unsatisfactory
 - Incorrect specimen type
 - Discrepancy between identification on specimen container label and test requisition form
- AGILUS Diagnostics confirms that all tests have been performed or assayed with highest quality standards, clinical safety & technical integrity.
- Laboratory results should not be interpreted in isolation; it must be correlated with clinical information and be interpreted by registered medical practitioners only to determine final diagnosis.
- Test results may vary based on time of collection, physiological condition of the patient, current medication or nutritional and dietary changes. Please consult your doctor or call us for any clarification.
- Test results cannot be used for Medico legal purposes.
- In case of queries please call customer care (91115 91115) within 48 hours of the report.

Agilus Diagnostics Ltd

Fortis Hospital, Sector 62, Phase VIII,
Mohali 160062



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