





CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA DELHI INDIA 8800465156

SRL Ltd
Shop CG 017, PALM SPRINGS PLAZA
GURUGRAM, 122001
HARYANA, INDIA
Tel : 9111591115

PATIENT NAME : RAHUL MITTAL		PATIENT ID : RAHU	M160290282
ACCESSION NO : 0282VK000867 AGE :	32 Years SEX : Male	ABHA NO :	
DRAWN : RECE	EIVED : 12/11/2022 12:32:25	REPORTED : 14/11/2022 15:1	1:52
REFERRING DOCTOR : SELF		CLIENT PATIENT ID :	
Test Report Status <u>Final</u>	Results	Biological Reference Interva	l Units
MEDI WHEEL FULL BODY HEALTH CHECH			
BLOOD COUNTS,EDTA WHOLE BLOOD			
HEMOGLOBIN (HB)	14.2	13.0 - 17.0	g/dL
METHOD : SPECTROPHOTOMETRY	1	1510 1710	9,42
RED BLOOD CELL (RBC) COUNT	4.61	4.5 - 5.5	mil/µL
METHOD : IMPEDANCE			, I
WHITE BLOOD CELL (WBC) COUNT	6.65	4.0 - 10.0	thou/µL
METHOD : IMPEDANCE			
PLATELET COUNT	265	150 - 410	thou/µL
METHOD : IMPEDANCE			
RBC AND PLATELET INDICES			
HEMATOCRIT (PCV)	42.8	40 - 50	%
METHOD : CALCULATED			
MEAN CORPUSCULAR VOLUME (MCV)	92.8	83 - 101	fL
METHOD : DERIVED FROM IMPEDANCE MEASURE			
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	30.7	27.0 - 32.0	pg
METHOD : CALCULATED PARAMETER			
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) METHOD : CALCULATED PARAMETER	33.1	31.5 - 34.5	g/dL
RED CELL DISTRIBUTION WIDTH (RDW)	16.5 High	11.6 - 14.0	%
METHOD : DERIVED FROM IMPEDANCE MEASURE			
MENTZER INDEX	20.1		
MEAN PLATELET VOLUME (MPV)	9.5	6.8 - 10.9	fL
METHOD : DERIVED FROM IMPEDANCE MEASURE			
WBC DIFFERENTIAL COUNT			
NEUTROPHILS	47	40 - 80	%
METHOD : DHSS FLOWCYTOMETRY			
LYMPHOCYTES	44 High	20 - 40	%
METHOD : DHSS FLOWCYTOMETRY			
MONOCYTES	06	2 - 10	%
METHOD : DHSS FLOWCYTOMETRY			
EOSINOPHILS	03	1 - 6	%
METHOD : DHSS FLOWCYTOMETRY			
BASOPHILS	00	0 - 2	%
METHOD : IMPEDANCE			



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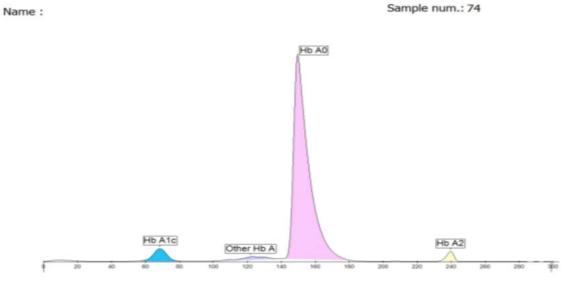
PATIENT NAME : RAHUL MITTAL			PATIENT ID :	RAHUM160290282
ACCESSION NO : 0282VK000867 AG	E: 32 Years SEX: Male		ABHA NO :	
DRAWN : F	ECEIVED : 12/11/2022 12:32:25		REPORTED : 14/11/202	22 15:11:52
REFERRING DOCTOR : SELF			CLIENT PATIENT ID	:
Test Report Status <u>Final</u>	Results		Biological Reference	Interval Units
ABSOLUTE NEUTROPHIL COUNT METHOD : DHSS FLOWCYTOMETRY, CALCULATED	3.13		2.0 - 7.0	thou/µL
ABSOLUTE LYMPHOCYTE COUNT METHOD : DHSS FLOWCYTOMETRY, CALCULATED	2.93		1 - 3	thou/µL
ABSOLUTE MONOCYTE COUNT METHOD : DHSS FLOWCYTOMETRY, CALCULATED	0.40		0.20 - 1.00	thou/µL
ABSOLUTE EOSINOPHIL COUNT METHOD : DHSS FLOWCYTOMETRY, CALCULATED	0.20		0.02 - 0.50	thou/µL
ABSOLUTE BASOPHIL COUNT METHOD : DHSS FLOWCYTOMETRY, CALCULATED	00	Low	0.02 - 0.10	thou/µL
NEUTROPHIL LYMPHOCYTE RATIO (NLR) METHOD : CALCULATED	1.1			
ERYTHROCYTE SEDIMENTATION RAT BLOOD	E (ESR),WHOLE			
E.S.R METHOD : AUTOMATED (PHOTOMETRICAL CAPILLARY	8		0 - 14	mm at 1 hr
GLUCOSE FASTING, FLUORIDE PLASM				
FBS (FASTING BLOOD SUGAR)	93		Normal 75 - 99 Pre-diabetics: 100 – 125 Diabetic: > or = 126	mg/dL
METHOD : SPECTROPHOTOMETRY HEXOKINASE				
GLYCOSYLATED HEMOGLOBIN(HBA1 BLOOD	C), EDTA WHOLE			
HBA1C	5.7		Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0	%
METHOD : CAPILLARY ELECTROPHORESIS				
ESTIMATED AVERAGE GLUCOSE(EAG)	116.9	High	< 116	mg/dL



METHOD : CALCULATED PARAMETER







A1c Haemoglobin Electrophoresis

Fractions	%	mmol/mol	Cal. %
Hb A1c	-	39	5.7
Other Hb A	2.3		
Hb AO	90.3		
Hb A2	2.3		

HbA1c % cal :5.7 %

Comments :











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DELHI INDIA 8800465156	Tel : 9111591115			
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ACCESSION NO : 0282VK000867	AGE : 32 Years SEX : Male		ABHA NO :	
DRAWN :	RECEIVED : 12/11/2022 12:32:2	25	REPORTED : 14/11/2022 15:	11:52
REFERRING DOCTOR : SELF			CLIENT PATIENT ID :	
Test Report Status <u>Final</u>	Results		Biological Reference Interv	al Units
GLUCOSE, POST-PRANDIAL, PLAS	SMA			
PPBS(POST PRANDIAL BLOOD SUGAR METHOD : SPECTROPHOTOMETRY, HEXOKINASE			70 - 139	mg/dL
LIPID PROFILE, SERUM				
CHOLESTEROL, TOTAL	180		Desirable cholesterol level < 200 Borderline high cholesterol 200 - 239 High cholesterol > / = 240	mg/dL
METHOD : ENZYMATIC COLORIMETRIC ASSAY				
TRIGLYCERIDES	146		Normal: < 150 Borderline high: 150 - 199 High: 200 - 499 Very High: >/= 500	mg/dL
METHOD : ENZYMATIC COLORIMETRIC ASSAY				
HDL CHOLESTEROL	40		Low HDL Cholesterol <40	mg/dL
METHOD : HOMOGENEOUS ENZYMATIC COLORI			High HDL Cholesterol $>/= 60$)
CHOLESTEROL LDL	111	High	Adult levels: Optimal < 100 Near optimal/above optimal: 1 129 Borderline high : 130-159 High : 160-189 Very high : = 190	mg/dL .00-
METHOD : HOMOGENEOUS ENZYMATIC COLORI	IMETRIC ASSAY		very high : = 190	
NON HDL CHOLESTEROL	140	High	Desirable : < 130 Above Desirable : 130 -159 Borderline High : 160 - 189 High : 190 - 219 Very high : > / = 220	mg/dL
METHOD : CALCULATED PARAMETER				
CHOL/HDL RATIO	4.0		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	
	2.0		3.1 - 6.0 Borderline/Moderate >6.0 High Risk	Risk













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PATIENT NAME	: RAHUL MITTAL		PATIENT ID : RAHUM160290282
ACCESSION NO :	0282VK000867	AGE : 32 Years SEX : Male	ABHA NO :
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REFERRING DOCT	FOR: SELF		CLIENT PATIENT ID :

Test Report Status <u>Final</u>	Results		Biological Reference	Interval Units
	20.2			<i>.</i>
VERY LOW DENSITY LIPOPROTEIN	29.2		< OR = 30.0	mg/dL
LIVER FUNCTION PROFILE, SERUM				<i>.</i>
BILIRUBIN, TOTAL	0.4		Upto 1.2	mg/dL
METHOD : COLORIMETRIC DIAZO METHOD				<i>.</i>
BILIRUBIN, DIRECT	0.2		< 0.30	mg/dL
METHOD : COLORIMETRIC DIAZO METHOD				<i>.</i>
BILIRUBIN, INDIRECT	0.20		0.1 - 1.0	mg/dL
				<i>.</i>
TOTAL PROTEIN	8.2	High	6.0 - 8.0	g/dL
METHOD : SPECTROPHOTOMETRY, BIURET				<i>.</i>
ALBUMIN	5.0	High	3.97 - 4.94	g/dL
METHOD : SPECTROPHOTOMETRY, BROMOCRESOL GREEN(BC				<i>,</i>
GLOBULIN	3.2		2.0 - 3.5	g/dL
METHOD : CALCULATED PARAMETER				5.477.0
ALBUMIN/GLOBULIN RATIO	1.6		1.0 - 2.1	RATIO
METHOD : CALCULATED PARAMETER	22		00 50	
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	20		< OR = 50	U/L
METHOD : SPECTROPHOTOMETRY, WITH PYRIDOXAL PHOSPH			00 50	
ALANINE AMINOTRANSFERASE (ALT/SGPT)	19		< OR = 50	U/L
METHOD : SPECTROPHOTOMETRY, WITH PYRIDOXAL PHOSPH			40 400	
ALKALINE PHOSPHATASE	109		40 - 129	U/L
METHOD : SPECTROPHOTOMETRY, PNPP, AMP BUFFER - IFCC	10		0	
GAMMA GLUTAMYL TRANSFERASE (GGT)	18		0 - 60	U/L
METHOD : ENZYMATIC COLORIMETRIC ASSAY STANDARDIZE	,		125 220	
LACTATE DEHYDROGENASE	169		125 - 220	U/L
METHOD : SPECTROPHOTOMETRY, LACTATE TO PYRUVATE - U	V-IFCC			
BLOOD UREA NITROGEN (BUN), SERUM				
BLOOD UREA NITROGEN	12.2		6 - 20	mg/dL
METHOD : SPECTROPHOTOMETRY, KINETIC TEST WITH UREAS	SE AND GLUTAMATE DEHYDROO	SENASE		
CREATININE, SERUM				
CREATININE	1.00		0.7 - 1.2	mg/dL
METHOD : SPECTROPHOTOMETRIC, JAFFE'S KINETICS				
BUN/CREAT RATIO				
BUN/CREAT RATIO	12.20		8.0 - 15.0	
METHOD : CALCULATED PARAMETER				



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REFERRING DOCTOR : SELF		CLIEN	T PATIENT ID:
Test Report Status <u>Final</u>	Results	Biological F	Reference Interval Units
URIC ACID, SERUM			
URIC ACID METHOD : SPECTROPHOTOMETRY, URICASE	5.2	3.4 - 7.0	mg/dL
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN	8.2 H	igh 6.0 - 8.0	g/dL
METHOD : SPECTROPHOTOMETRY, BIURET			
ALBUMIN, SERUM			
ALBUMIN	5.0 Hi	igh 3.97 - 4.94	g/dL
METHOD : SPECTROPHOTOMETRY, BROMOCRE	SOL GREEN(BCG) - DYE BINDING		
GLOBULIN			
GLOBULIN	3.2	2.0 - 3.5	g/dL
METHOD : CALCULATED PARAMETER			
ELECTROLYTES (NA/K/CL), SER	UM		
SODIUM, SERUM	139	136 - 145	mmol/L
METHOD : ISE INDIRECT			
POTASSIUM, SERUM	4.6	3.5 - 5.1	mmol/L
METHOD : ISE INDIRECT			
CHLORIDE, SERUM	102	98 - 107	mmol/L
METHOD : ISE INDIRECT			
Interpretation(s)			

PHYSICAL EXAMINATION, URINE

COLOR	PALE YELLOW
APPEARANCE	CLEAR

Comments

NOTE : MICROSCOPIC EXAMINATION OF URINE IS PERFORMED ON CENTRIFUGED URINARY SEDIMENT. IN NORMAL URINE SAMPLES CAST AND CRYSTALS ARE NOT DETECTED.

PH	6.0	4.7 - 7.5
SPECIFIC GRAVITY	1.010	1.003 - 1.035
PROTEIN	NOT DETECTED	NOT DETECTED
GLUCOSE	NOT DETECTED	NOT DETECTED
KETONES	NOT DETECTED	NOT DETECTED
BLOOD	NOT DETECTED	NOT DETECTED











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Test Report Status <u>Final</u>	Results	Biological Reference In	terval Units
BILIRUBIN	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	0-1	0-5	/HPF
CASTS	NOT DETECTED		
CRYSTALS	NOT DETECTED		
BACTERIA	NOT DETECTED	NOT DETECTED	
METHOD : DIP STICK/MICRO SCOPY/REFLECTANCE SPECTROPH	DTOMETRY		
Interpretation(s)			
THYROID PANEL, SERUM			
тз	139.0	80 - 200	ng/dL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
T4	9.40	5.1 - 14.1	µg/dL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
TSH (ULTRASENSITIVE)	2.650	0.27 - 4.2	µIU/mL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
Interpretation(s)			
STOOL: OVA & PARASITE			

BROWN COLOUR CONSISTENCY SEMI FORMED FOUL ODOUR MUCUS ABSENT NOT DETECTED VISIBLE BLOOD ABSENT ABSENT POLYMORPHONUCLEAR LEUKOCYTES /HPF NOT DETECTED 0 - 5 **RED BLOOD CELLS** NOT DETECTED NOT DETECTED /HPF MACROPHAGES NOT DETECTED NOT DETECTED CHARCOT-LEYDEN CRYSTALS NOT DETECTED NOT DETECTED











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(

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TROPHOZOITES		NOT DETECTED	NOT DETECTED
CYSTS		NOT DETECTED	NOT DETECTED
OVA		NOT DETECTED	
LARVAE		NOT DETECTED	NOT DETECTED
ADULT PARASITE		NOT DETECTED	
Interpretation(s)			
ABO GROUP & RH TY	PE, EDTA WHOLE	BLOOD	
ABO GROUP		В	
METHOD : HEMAGGLUTINAT	ION REACTION ON SOLID P	HASE	
RH TYPE		RH+	
METHOD : HEMAGGLUTINAT	ION REACTION ON SOLID P	HASE	
XRAY-CHEST			
»»		BOTH THE LUNG FIEL	DS ARE CLEAR
» »		BOTH THE COSTOPHR	RENIC AND CARDIOPHRENIC ANGLES ARE CLEAR

»»	BOTH THE COSTOPHRENIC AND CARDIOPHRENIC ANGLES	ARE CLEAR
»»	BOTH THE HILA ARE NORMAL	
»»	CARDIAC AND AORTIC SHADOWS APPEAR NORMAL	
»»	BOTH THE DOMES OF THE DIAPHRAGM ARE NORMAL	
»»	VISUALIZED BONY THORAX IS NORMAL	
IMPRESSION	NO ABNORMALITY DETECTED	
TMT OR ECHO		
TMT OR ECHO	STRESS TEST IS NEGATIVE FOR RMI	
ECG		
ECG	WITHIN NORMAL LIMITS	
MEDICAL HISTORY		
RELEVANT PRESENT HISTORY	NOT SIGNIFICANT	
RELEVANT PAST HISTORY	NOT SIGNIFICANT	
RELEVANT PERSONAL HISTORY	NON SMOKER, ALCOHOL WEEKLY	
RELEVANT FAMILY HISTORY	DIABETES- SISTER	
OCCUPATIONAL HISTORY	SERVICE	
HISTORY OF MEDICATIONS	NOT SIGNIFICANT	
ANTHROPOMETRIC DATA & BMI		
HEIGHT IN METERS	1.65	mts



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Test Report Status <u>Final</u>	Results	Biological Reference Interval Units	
WEIGHT IN KGS.	69	Kgs	
BMI	25	BMI & Weight Status as follows: kg/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 STATUS	HEALTHY		
BUILT / SKELETAL FRAMEWORK	AVERAGE		
FACIAL APPEARANCE	NORMAL		
SKIN	NORMAL		
UPPER LIMB	NORMAL		
LOWER LIMB	NORMAL		
NECK	NORMAL		
NECK LYMPHATICS / SALIVARY GLANDS	NOT ENLARGED OR TEND	DER	
THYROID GLAND	NOT ENLARGED		
CAROTID PULSATION	NORMAL		
TEMPERATURE	NORMAL		
PULSE		ALL PERIPHERAL PULSES FELT.	
RESPIRATORY RATE	NORMAL		
CARDIOVASCULAR SYSTEM			
BP	120/68 MMHG (SUPINE)	mm/Hg	
PERICARDIUM	NORMAL		
APEX BEAT	NORMAL		
HEART SOUNDS	NORMAL		
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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C)

Test Report Status	Final	Results	Biological Reference Interval	Units
PER ABDOMEN				
APPEARANCE		NORMAL		
VENOUS PROMINENCE		ABSENT		
LIVER		NOT PALPABLE		
SPLEEN		NOT PALPABLE		
CENTRAL NERVOUS	SYSTEM			
HIGHER FUNCTIONS		NORMAL		
CRANIAL NERVES		NORMAL		
CEREBELLAR FUNCTIO	NS	NORMAL		
SENSORY SYSTEM		NORMAL		
MOTOR SYSTEM		NORMAL		
REFLEXES		NORMAL		
MUSCULOSKELETAL	SYSTEM			
SPINE		NORMAL		
JOINTS		NORMAL		
BASIC EYE EXAMINA	TION			
DISTANT VISION RIGH	IT EYE WITHOUT GLASSES	6/6		
DISTANT VISION LEFT	EYE WITHOUT GLASSES	6/6		
NEAR VISION RIGHT E	YE WITHOUT GLASSES	N/6		
NEAR VISION LEFT EY	E WITHOUT GLASSES	N/6		
COLOUR VISION		17/17		
SUMMARY				
REMARKS / RECOMME	NDATIONS			
		ADVISED		

ADVISED LIFESTYLE CHANGES FOLLOW UP WITH PHYSICIAN. REVIEW WITH STOOL RE, CXR, USG REPORTS











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PATIENT NAME : RAHUL MITTA	L	PATIENT ID : RAHUM160290282

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

ULTRASOUND ABDOMEN

ULTRASOUND ABDOMEN

NO ABNORMALITIES DETECTED

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. 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,

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

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)

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.

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.

NOTE:

Hypoglycemia is defined as a glucoseof < 50 mg/dL in men and< 40 mg/dL in women.

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.





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CLIENT'S NAME AND ADDRESS :

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156

SRL Ltd Shop CG 017, PALM SPRINGS PLAZA GURUGRAM, 122001 HARYANA, INDIA Tel: 9111591115

REFERRING DOCTOR : SELF		CLIENT PATIENT ID :
DRAWN :	RECEIVED : 12/11/2022 12:32:25	REPORTED : 14/11/2022 15:11:52
ACCESSION NO : 0282VK000867	AGE: 32 Years SEX: Male	ABHA NO :
PATIENT NAME : RAHUL MITTAL		PATIENT ID : RAHUM160290282

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD-Used For:

1. Evaluating the long-term control of blood glucose concentrations in diabetic patients.

2.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 faisely 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

Bilirubin is a vellowish 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 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 Gravis

Muscular dystrophy



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Test Report Status	<u>Final</u>	Results	Biological Reference Interval Units
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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'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. 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. 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. 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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CONDITIONS OF LABORATORY TESTING & REPORTING		
1. It is presumed that the test sample belongs to the patient	5. SRL confirms that all tests have been performed or	
named or identified in the test requisition form.	assayed with highest quality standards, clinical safety &	
2. All tests are performed and reported as per the	technical integrity.	
turnaround time stated in the SRL Directory of Services.	6. Laboratory results should not be interpreted in isolation;	
3. Result delays could occur due to unforeseen	it must be correlated with clinical information and be	
circumstances such as non-availability of kits / equipment	interpreted by registered medical practitioners only to	
breakdown / natural calamities / technical downtime or any	determine final diagnosis.	
other unforeseen event.	7. Test results may vary based on time of collection,	
4. A requested test might not be performed if:	physiological condition of the patient, current medication or	
i. Specimen received is insufficient or inappropriate	nutritional and dietary changes. Please consult your doctor	
ii. Specimen quality is unsatisfactory	or call us for any clarification.	
iii. Incorrect specimen type	8. Test results cannot be used for Medico legal purposes.	
iv. Discrepancy between identification on specimen	9. In case of queries please call customer care	
container label and test requisition form	(91115 91115) within 48 hours of the report.	
	SRL Limited	
	Fortis Hospital, Sector 62, Phase VIII,	
	Mohali 160062	



