



DIAGNOSTIC REPORT









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 34/2, NEW PALASIA, NEAR OM SHANTI BHAWAN CIRCLE,BEHIND INDUSTRY HOUSE INDORE, 452001 MADHYA PRADESH, INDIA Tel : 9111591115, CIN - U74899PB1995PLC045956 Email : customercare.indore@srl.in

PATIENT NAME : PANKAJ YADAV		PATIENT ID :	PANKM2411787
ACCESSION NO : 0007VG001169	AGE : 43 Years SEX : Male	ABHA NO :	
DRAWN :	RECEIVED : 06/07/2022 09:14	REPORTED : 06/07/202	22 19:56
REFERRING DOCTOR : DR. BANK OF BARODAR CLIENT PATIENT ID :			
Test Report Status <u>Final</u>	Results	Biological Reference	Interval Units
METHOD : IMPEDENCE / MICROSCOPY ABSOLUTE EOSINOPHIL COUNT METHOD : CALCULATED PARAMETER MONOCYTES METHOD : IMPEDENCE / MICROSCOPY ABSOLUTE MONOCYTE COUNT METHOD : CALCULATED PARAMETER	0.13 03 0.13	0.02 - 0.50 2 - 10 Low 0.2 - 1.0	thou/µL % thou/µL
DIFFERENTIAL COUNT PERFORMED C	DN: EDTA SMEAR		

Comments

Please note that : The Automatic analyzer used to estimate Complete Blog	od Counts (Blood cell Ir	ndices & counts) is "ABX PENTRA XL 80" (HORIBA)	; the values are
correlated manually with microscopic picture.				
ERYTHRO SEDIMENTATION RATE, BLOOD				
SEDIMENTATION RATE (ESR)	11		0 - 14	mm at 1 hr
METHOD : WESTERGREN METHOD				
GLYCOSYLATED HEMOGLOBIN, EDTA WHOL	E BLOOD			
GLYCOSYLATED HEMOGLOBIN (HBA1C)	5.5		Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0	%
METHOD : HPLC				
MEAN PLASMA GLUCOSE	111.2		< 116.0	mg/dL
METHOD : CALCULATED PARAMETER				
GLUCOSE, FASTING, PLASMA				
GLUCOSE, FASTING, PLASMA METHOD : HEXOKINASE	108	High	74 - 99	mg/dL
CORONARY RISK PROFILE (LIPID PROFILE)), SERUM.			
CHOLESTEROL	246	High	Desirable: <200 BorderlineHigh : 200-239 High : > or = 240	mg/dL
METHOD : OXIDASE, ESTERASE, PEROXIDASE			-	
TRIGLYCERIDES	356	High	Desirable: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High : > or = 500	mg/dL
METHOD : ENZYMATIC ASSAY				
HDL CHOLESTEROL	45		< 40 Low	mg/dL

Scan to View Details



> or = 60 High

F-703, LADO SARAI, MEHRAULI 34/2 SOUTH WEST DELHI INDU NEW DELHI 110030 INDO DELHI INDIA MADI 8800465156 Tel : CIN -		INDUSTRY H INDORE, 452 MADHYA PRA Tel : 911159 CIN - U7489	SRL Ltd 34/2, NEW PALASIA, NEAR OM SHANTI BHAWAN CIRCLE,BEHIND NDUSTRY HOUSE NDORE, 452001 4ADHYA PRADESH, INDIA Fel : 9111591115, ZIN - U74899PB1995PLC045956 Email : customercare.indore@srl.in			
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DIRECT LDL CHOLESTEROL	145	High	Adult levels: Optimal < 100 Near optimal/above optimal: 129 Borderline high : 130-159 High : 160-189	mg/dL 100-		
NON HDL CHOLESTEROL	201		Very high : = 190 Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	mg/dL		
CHOL/HDL RATIO	5.5	High	3.30 - 4.40			
LDL/HDL RATIO	3.2	High	0.5 - 3.0			
VERY LOW DENSITY LIPOPROTEIN	71.2	High	< or = 30.0	mg/dL		
LIVER FUNCTION PROFILE, SERUM						
BILIRUBIN, TOTAL	0.35		0.0 - 1.2	mg/dL		
METHOD : JENDRASSIK AND GROFF						
BILIRUBIN, DIRECT	0.17		0.0 - 0.2	mg/dL		
	0.10		0.00 1.00			
BILIRUBIN, INDIRECT	0.18		0.00 - 1.00	mg/dL		
TOTAL PROTEIN METHOD : BIURET	8.1		6.4 - 8.3	g/dL		
ALBUMIN	5.0		3.50 - 5.20	g/dL		
METHOD : BROMOCRESOL PURPLE						
GLOBULIN	3.1		2.0 - 4.1	g/dL		
ALBUMIN/GLOBULIN RATIO	1.6		1.0 - 2.0	RATIO		
ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD : UV WITH P5P	25		UPTO 40	U/L		
ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD : UV WITH P5P	29		UP TO 45	U/L		
ALKALINE PHOSPHATASE METHOD : PNPP	66		40 - 129	U/L		
GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD : G-GLUTAMYL-CARBOXY-NITROANILIDE	58		8 - 61	U/L		
LACTATE DEHYDROGENASE	170		135 - 225	U/L		
METHOD : ENZYMATIC LACTATE - PYRUVATE(IFCC)	-		-	-,		
SERUM BLOOD UREA NITROGEN						
BLOOD UREA NITROGEN	10		6 - 20	mg/dL		

Patient Ref. No. 700000892950



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CLIENT CODE : C000138355



ESRL Diagnostics





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REFERRING DOCTOR : DR. BANK OF BARODAR

Test Report Status <u>Final</u>	Results	Biological Reference Interva	al Units
METHOD : UREASE KINETIC CREATININE, SERUM			
CREATININE	0.86	0.70 - 1.20	mg/dL
METHOD : ALKALINE PICRATE-KINETIC	0.00	0.70 1.20	ing/ac
BUN/CREAT RATIO			
BUN/CREAT RATIO	11.63	5.0 - 15.0	
URIC ACID, SERUM			
URIC ACID	6.6	3.5 - 7.2	mg/dL
METHOD : URICASE/CATALASE UV			
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN	8.1	6.4 - 8.3	g/dL
METHOD : BIURET			-
ALBUMIN, SERUM			
ALBUMIN	5.0	3.5 - 5.2	g/dL
METHOD : BROMOCRESOL PURPLE			
GLOBULIN			
GLOBULIN	3.1	2.0 - 4.1	g/dL
ELECTROLYTES (NA/K/CL), SERUM			
SODIUM	140.7	136.0 - 146.0	mmol/L
POTASSIUM	3.77	3.50 - 5.10	mmol/L
CHLORIDE	104.9	98.0 - 106.0	mmol/L
PHYSICAL EXAMINATION, URINE			
COLOR	PALE YELLOW		
METHOD : MACROSCOPY			
APPEARANCE	CLEAR		
METHOD : VISUAL			
SPECIFIC GRAVITY	1.025	1.003 - 1.035	
METHOD : REFLECTANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINATION, URINE			
PH	5.5	4.7 - 7.5	
METHOD : PH INDICATOR AND REFLECTANCE	NOT DETEORED		
PROTEIN	NOT DETECTED	NOT DETECTED	
METHOD : PROTEIN ERROR OF INDICATORS WITH REFLECTANCE			
GLUCOSE METHOD : GLUCOSE OXIDASE	NOT DETECTED	NOT DETECTED	
KETONES	NOT DETECTED	NOT DETECTED	
KEI UNES			











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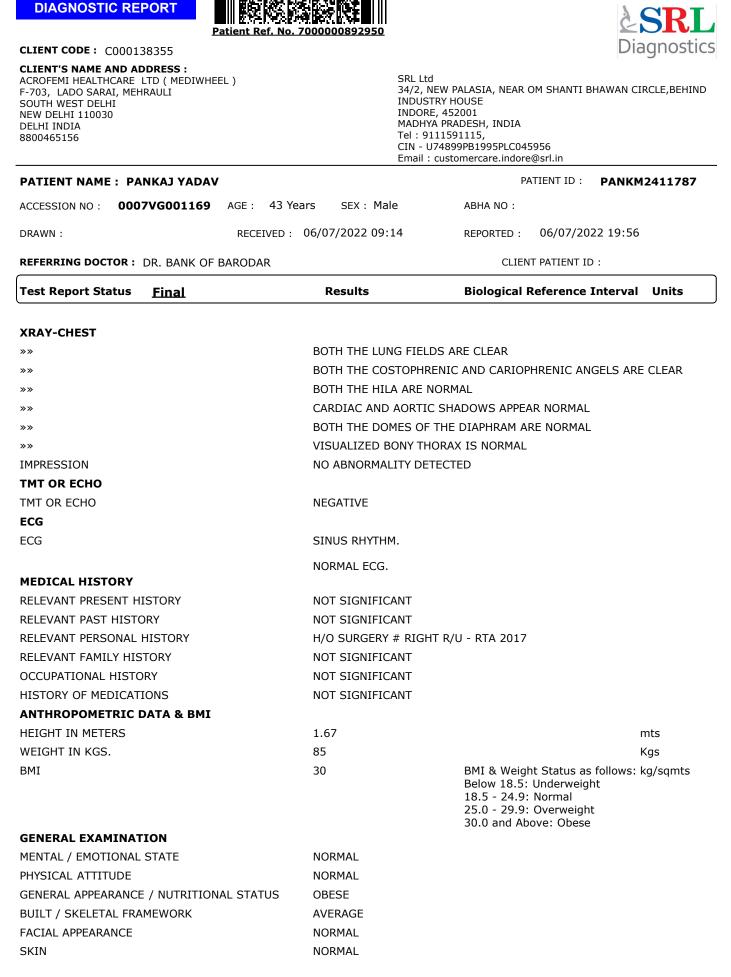
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METHOD : ROTHERA'S WITH REFLECTANCE			
BLOOD	NOT DETECTED	NOT DETECTED	
METHOD : PEROXIDASE METHOD WITH REFLECTANCE	NOT DETECTED	NOT DETECTED	
BILIRUBIN	NOT DETECTED	NOT DETECTED	
METHOD : DIAZOTIZED WITH REFLECTANCE	NOT DETECTED	NOT DETECTED	
UROBILINOGEN	NORMAL	NORMAL	
METHOD : EHRLICH REACTION REFLECTANCE	NORMAL	NORMAL	
NITRITE	NOT DETECTED	NOT DETECTED	
METHOD : DIAZOTIZED WITH REFLECTANCE			
LEUKOCYTE ESTERASE	NOT DETECTED	NOT DETECTED	
MICROSCOPIC EXAMINATION, URINE			
PUS CELL (WBC'S)	2-3	0-5	/HPF
METHOD : ESTERASES METHOD WITH REFLECTANCE			
EPITHELIAL CELLS	2-3	0-5	/HPF
METHOD : MICROSCOPIC EXAMINATION			
ERYTHROCYTES (RBC'S)	NOT DETECTED	NOT DETECTED	/HPF
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	
REMARKS	Please note that all the ur	inary findings are confirmed mar	ually as well.
THYROID PANEL, SERUM			
Т3	119.4	80.00 - 200.00	ng/dL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
Τ4	5.50	5.10 - 14.10	µg/dL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
TSH 3RD GENERATION	3.860	0.270 - 4.200	µIU/mL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
ABO GROUP & RH TYPE, EDTA WHOLE BLOOD			
ABO GROUP	TYPE A		
METHOD : TUBE AGGLUTINATION			
RH TYPE	POSITIVE		
METHOD : TUBE AGGLUTINATION			

















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ACCESSION NO : **0007VG001169** AGE : 43 Years SEX : Male ABHA NO : DRAWN : RECEIVED : 06/07/2022 09:14 REPORTED : 06/07/2022 19:56

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UPPER LIMB	NORMAL	
LOWER LIMB	NORMAL	
NECK	NORMAL	
NECK LYMPHATICS / SALIVARY GLANDS	NOT ENLARGED OR TENDE	ER
THYROID GLAND	NOT ENLARGED	
CAROTID PULSATION	NORMAL	
TEMPERATURE	AFEBRILE	
PULSE	81/MIN	
RESPIRATORY RATE	NORMAL	
CARDIOVASCULAR SYSTEM		
BP	130/80 MMHG	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)	
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	











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REFLEXES	NORMAL	
MUSCULOSKELETAL SYSTEM		
SPINE	NORMAL	
JOINTS	NORMAL	
BASIC EYE EXAMINATION		
CONJUNCTIVA	NORMAL	
EYELIDS	NORMAL	
EYE MOVEMENTS	NORMAL	
CORNEA	NORMAL	
DISTANT VISION RIGHT EYE WITHOUT GLASSES	6/12 VISUAL ACUIT	Y IS FOR CORRECTION
DISTANT VISION LEFT EYE WITHOUT GLASSES	6/12 VISUAL ACUIT	Y IS FOR CORRECTION
NEAR VISION RIGHT EYE WITHOUT GLASSES	N/6 WITHIN NORMA	L LIMIT
NEAR VISION LEFT EYE WITHOUT GLASSES	N/6 WITHIN NORMA	L LIMIT
COLOUR VISION	PARTIAL COLOUR BI	IND (GREEN AND BROWN)
BASIC ENT EXAMINATION		
EXTERNAL EAR CANAL	HEAVY WITHIN NOR	MAL LIMIT
TYMPANIC MEMBRANE	NORMAL	
NOSE	NO ABNORMALITY D	ETECTED
SINUSES	CLEAR	
THROAT	NO ABNORMALITY D	ETECTED
TONSILS	NOT ENLARGED	
SUMMARY		
RELEVANT HISTORY	NOT SIGNIFICANT	
RELEVANT GP EXAMINATION FINDINGS	OBSE WEIGHT	
RELEVANT LAB INVESTIGATIONS	WITHIN NORMAL LI	-
RELEVANT NON PATHOLOGY DIAGNOSTICS	NO ABNORMALITIES	S DETECTED
REMARKS / RECOMMENDATIONS	NONE	
FITNESS STATUS		
FITNESS STATUS	FIT (WITH MEDICAL	ADVICE) (AS PER REQUESTED PANEL OF TESTS)











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

CLINICAL FINDINGS :-

RAIED FBS.

DYSLIPIDEMIA.

OBESE WEIGHT STATUS.

FITNESS STATUS :-

FITNESS STATUS : FIT (WITH MEDICAL ADVICE) (AS PER REQUESTED PANEL OF TESTS)

ADVICE : WEIGHT REDUCTION, LOW FAT& CARBOHYDRATE DIET AND REGULAR PHYSICAL EXERCISE FOR DYSLIPIDEMIA AND OBESE WEIGHT STATUS

NEED PHYSICIAN CONSULTATION FOR LIFE STYLE MODIFICATION.

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 - NLR-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.

snow 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. ERYTHRO SEDIMENTATION RATE, BLOOD-Erythrocyte sedimentation rate (ESR) is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0 - 1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as polyilocytopic such as polyilocytopic and cells. and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

Reference :

1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition

Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin
 The reference for the adult reference range is "Practical Haematology by Dacie and Lewis, 10th Edition"

GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD-

Glycosylated hemoglobin (GHb) has been firmly established as an index of long-term blood glucose concentrations and as a measure of the risk for the development of complications in patients with diabetes mellitus. Formation of GHb is essentially irreversible, and the concentration in the blood depends on both the life span of the red blood cell (average 120 days) and the blood glucose concentration. Because the rate of formation of GHb is directly proportional to the concentration of glucose in the blood, the GHb concentration represents the integrated values for glucose over the preceding 6-8 weeks. Any condition that alters the life span of the red blood cells has the potential to alter the GHb level. Samples from patients with hemolytic anemias will exhibit decreased

glycated hemoglobin values due to the shortened life span of the red cells. This effect will depend upon the severity of the amenia. Samples from patients with polycythemia or post-splenectomy may exhibit increased glycated hemoglobin values due to a somewhat longer life span of the red cells.

Glycosylated hemoglobins results from patients with HbSS, HbCC, and HbSC and HbD must be interpreted with caution, given the pathological processes, including anemia, increased red cell turnover, transfusion requirements, that adversely impact HbA1c as a marker of long-term glycemic control. In these conditions, alternative forms of testing such as glycated serum protein (fructosamine) should be considered.











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'Targets should be individualized; More or less stringent glycemic goals may be appropriate for individual patients. Goals should be individualized based on duration of diabetes, age/life expectancy, comorbid conditions, known CVD or advanced microvascular complications, hypoglycemia unawareness, and individual patient considerations.

References

Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, edited by Carl A Burtis, Edward R.Ashwood, David E Bruns, 4th Edition, Elsevier publication, 2006, 879-884.

2. Forsham PH. Diabetes Mellitus: A rational plan for management. Postgrad Med 1982, 71,139-154.

3. Mayer TK, Freedman ZR: Protein glycosylation in Diabetes Mellitus: A review of laboratory measurements and their clinical utility. Clin Chim Acta 1983, 127, 147-184. GLUCOSE, FASTING, PLASMA-ADA 2021 guidelines for adults, after 8 hrs fasting is as follows:

Pre-diabetics: 100 - 125 mg/dL Diabetic: > or = 126 mg/dL CORONARY RISK PROFILE (LIPID PROFILE), SERUM.-

Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.

Serum Triglyceride are a type of fat in the blood. When you eat, your body converts any calories it doesn't need into triglycerides, which are stored in fat cells. High triglyceride levels are associated with several factors, including being overweight, eating too many sweets or drinking too much alcohol, smoking, being sedentary, or having diabetes with elevated blood sugar levels. Analysis has proven useful in the diagnosis and treatment of patients with diabetes mellitus, nephrosis, liver obstruction, other diseases involving lipid metabolism, and various endocrine disorders. In conjunction with high density lipoprotein and total serum cholesterol, a triglyceride determination provides valuable information for the assessment of coronary heart disease risk. It is done in fasting state.

High-density lipoprotein (HDL) cholesterol. This is sometimes called the ""good"" cholesterol because it helps carry away LDL cholesterol, thus keeping arteries open and blod flowing more freely.HDL cholesterol is inversely related to the risk for cardiovascular disease. It increases following regular exercise, moderate alcohol consumption and with oral estrogen therapy. Decreased levels are associated with obesity, stress, cigarette smoking and diabetes mellitus.

SERUM LDL The small dense LDL test can be used to determine cardiovascular risk in individuals with metabolic syndrome or established/progressing coronary artery disease, individuals with triglyceride levels between 70 and 140 mg/dL, as well as individuals with a diet high in trans-fat or carbohydrates. Elevated sdLDL levels are associated with metabolic syndrome and an 'atherogenic lipoprotein profile', and are a strong, independent predictor of cardiovascular disease. Elevated levels of LDL arise from multiple sources. A major factor is sedentary lifestyle with a diet high in saturated fat. Insulin-resistance and pre-diabetes have also been implicated, as has genetic predisposition. Measurement of sdLDL allows the clinician to get a more comprehensive picture of lipid risk factors and tailor treatment accordingly. Reducing LDL levels will reduce the risk of CVD and MI.

Non HDL Cholesterol - Adult treatment panel ATP III suggested the addition of Non-HDL Cholesterol as an indicator of all atherogenic lipoproteins (mainly LDL and VLDL). NICE guidelines recommend Non-HDL Cholesterol measurement before initiating lipid lowering therapy. It has also been shown to be a better marker of risk in both primary and secondary prevention studies

Recommendations

Results of Lipids should always be interpreted in conjunction with the patient's medical history, clinical presentation and other findings.

NON FASTING LIPID PROFILE includes Total Cholesterol, HDL Cholesterol and calculated non-HDL Cholesterol. It does not include triglycerides and may be best used in patients for whom fasting is difficult. 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, 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









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PATIENT NAME : PANKAJ YADAV		PATIENT ID : PANKM2411787
ACCESSION NO : 0007VG001169	AGE: 43 Years SEX: Male	ABHA NO :
DRAWN :	RECEIVED : 06/07/2022 09:14	REPORTED : 06/07/2022 19:56
REFERRING DOCTOR : DR. BANK OF E	BARODAR	CLIENT PATIENT ID :
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Test Report Status Final Results Biological Reference Interval	Units
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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 SERUM BLOOD UREA NITROGEN-Causes of Increased levels Pre renal • High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal Renal Failure Post Renal Malignancy, Nephrolithiasis, Prostatism Causes of decreased levels Liver disease STADH. 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: Mvasthenia Gravis Muscular dystrophy URIC ACID, SERUM-Causes of Increased levels DietaryHigh Protein Intake. Prolonged Fasting, Rapid weight loss Gout Lesch nyhan syndrome. Type 2 DM. Metabolic syndrome. Causes of decreased levels Low Zinc Intake
OCP's Multiple Sclerosis Nutritional tips to manage increased Uric acid levels Drink plenty of fluids Limit animal proteins High Fibre foods Vit C Intake Antioxidant rich foods 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 alobulin 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.

ELECTROLYTES (NA/K/CL), SERUM-Sodium levels are Increased in dehydration, cushing's syndrome, aldosteronism & decreased in Addison's disease, hypopituitarism, liver disease. Hypokalemia (low K) is common in vomiting, diarrhea, alcoholism, folic acid deficiency and primary aldosteronism. Hyperkalemia may be seen in end-stage renal failure, hemolysis, trauma,











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PATIENT ID : **PATIENT NAME: PANKAJ YADAV** PANKM2411787 ACCESSION NO : 0007VG001169 AGE: 43 Years ABHA NO : SEX : Male DRAWN : RECEIVED: 06/07/2022 09:14 **REPORTED** : 06/07/2022 19:56 **REFERRING DOCTOR:** DR. BANK OF BARODAR CLIENT PATIENT ID :

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Addison's disease, metabolic acidosis, acute starvation, dehydration, and with rapid K infusion. Chloride is increased in dehydration, renal tubular acidosis (hyperchloremia metabolic acidosis), acute renal failure, metabolic acidosis associated with prolonged diarrhea and loss of sodium bicarbonate, diabetes insipidus, adrenocortical hyperfuction, salicylate intoxication and with excessive infusion of isotonic saline or extremely high dietary intake of salt. Chloride is decreased in overhydration, chronic respiratory acidosis, salt-losing nephritis, metabolic alkalosis, congestive heart failure, Addisonian crisis, certain types of metabolic acidosis, persistent gastric secretion and prolonged vomiting, MICROSCOPIC EXAMINATION, URINE-

Routine urine analysis assists in screening and diagnosis of various metabolic, urological, kidney and liver disorders

Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urinary tract infections and acute illness with fever

Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine. Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.

Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine. Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise

Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys. Most common cause is bacterial urinary tract infection. Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration during infection increases with length of time the urine specimen is retained in

bladder prior to collection.

pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/ alkalosis or ingestion of certain type of food can affect the pH of urine.

Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decreased specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine.

Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in cases of hemolytic anemia

THYROID PANEL, SERUM-

Triiodol PANEL, SERON-Triiodothyronine T3, is a thyroid hormone. It affects 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. Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is

hyperthyroidism, and deficient secretion is called 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.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low. Total T4, TSH & Total T3

Below mentione	d are the guidelines f	or Pregnancy relate	d reference ranges for Tota
Levels in	TOTAL T4	TSH3G	TOTAL T3
Pregnancy	(µg/dL)	(µIU/mL)	(ng/dL)
First Trimester	6.6 - 12.4	0.1 - 2.5	81 - 190
2nd Trimester	6.6 - 15.5	0.2 - 3.0	100 - 260
3rd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260
Below mentione	d are the guidelines f	or age related refer	ence ranges for T3 and T4.
Т3		T4	
(ng/dL)		(µg/dL)	
Now Porns 75	260 124	21/1 8 2 10 0	

New Born: 75 - 260 1-3 day: 8.2 19.9 1 Week: 6.0 - 15.9

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well documented in the pediatric population including the infant age group. Kindly note: Method specific reference ranges are appearing on the report under biological reference range.

Reference:

MEDICAL

1. Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.

Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.
 Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition

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.

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.











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FITNESS STATUS-

Conclusion on an individual's Fitness, which is commented upon mainly for Pre employment cases, is based on multi factorial findings and does not depend on any one single parameter. The final Fitness assigned to a candidate will depend on the Physician's findings and overall judgement on a case to case basis, details of the candidate's past and personal history; as well as the comprehensiveness of the diagnostic panel which has been requested for .These are then further correlated with details of the job under consideration to eventually fit the right man to the right job. Basis the above, SRL classifies a candidate's Fitness Status into one of the following categories:

• Fit (As per requested panel of tests) - SRL Limited gives the individual a clean chit to join the organization, on the basis of the General Physical Examination and the specific test panel requested for.

• Fit (with medical advice) (As per requested panel of tests) - This indicates that although the candidate can be declared as FIT to join the job, minimal problems have been detected during the Pre- employment examination. Examples of conditions which could fall in this category could be cases of mild reversible medical abnormalities such as height weight disproportions, borderline raised Blood Pressure readings, mildly raised Blood sugar and Blood Lipid levels, Hematuria, etc. Most of these relate to sedentary lifestyles and come under the broad category of life style disorders. The idea is to caution an individual to bring about certain lifestyle changes as well as seek a Physician's Fitness on Hold (Temporary Unfit) (As per requested panel of tests) - Candidate's reports are kept on hold when either the diagnostic tests or the physical findings reveal

the presence of a medical condition which warrants further tests, counseling and/or specialist opinion, on the basis of which a candidate can either be placed into Fit, Fit (With Medical Advice), or Unfit category. Conditions which may fall into this category could be high blood pressure, abnormal ECG, heart murmurs, abnormal vision, grossly elevated blood sugars, etc.

• Unfit (As per requested panel of tests) - An unfit report by SRL Limited clearly indicates that the individual is not suitable for the respective job profile e.g. total color blindness in color related jobs.









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Units

CLIENT CODE : C000138355

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Test Report Status Results **Final**

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

ULTRASOUND ABDOMEN ULTRASOUND ABDOMEN DONE

Comments

USG-IMPRESSION- RIGHT RENAL CALCULUS.

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

Dr. Rashmi Patidar ,MD Pathologist

Dr.Arpita Pasari, MD **Consultant Pathologist**



