



Patient Ref. No. 18100000300150

CLIENT CODE : C000138394

CLIENT'S NAME AND ADDRESS :
ACROFEMI HEALTHCARE LTD (MEDIWHEEL)
F-703, F-703, LADO SARAI, MEHRAULI
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THANE, 400602
MAHARASHTRA, INDIA
Tel : 9111591115, Fax : CIN - U74899PB1995PLC045956
Email : customercare.thane@srl.in

PATIENT NAME : DEV RAJ

PATIENT ID : DEVRM130866181

ACCESSION NO : 0181VE001222 AGE : 55 Years SEX : Male

DRAWN : RECEIVED : 24/05/2022 09:05 REPORTED : 25/05/2022 12:09

REFERRING DOCTOR : SELF

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Table with 4 columns: Test Report Status, Results, Biological Reference Interval, Units. Status is Final.

MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

BLOOD COUNTS, EDTA WHOLE BLOOD

Table with 4 columns: Test Name, Result, Reference Interval, Units. Rows include Hemoglobin, Red Blood Cell Count, White Blood Cell Count, Platelet Count.

RBC AND PLATELET INDICES

Table with 4 columns: Test Name, Result, Reference Interval, Units. Rows include Hematocrit, Mean Corpuscular Vol, Mean Corpuscular Hgb, Mean Corpuscular Hemoglobin Concentration, Mentzer Index, Red Cell Distribution Width, Mean Platelet Volume.

WBC DIFFERENTIAL COUNT - NLR

Table with 4 columns: Test Name, Result, Reference Interval, Units. Rows include Segmented Neutrophils, Absolute Neutrophil Count, Lymphocytes, Absolute Lymphocyte Count, Neutrophil Lymphocyte Ratio (NLR), Eosinophils.



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ABSOLUTE EOSINOPHIL COUNT 0.38 0.02 - 0.50 thou/µL
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING

MONOCYTES 5 2 - 10 %
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING

ABSOLUTE MONOCYTE COUNT 0.37 0.2 - 1.0 thou/µL
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING

DIFFERENTIAL COUNT PERFORMED ON: EDTA SMEAR

MORPHOLOGY

RBC NORMOCYTIC NORMOCHROMIC

WBC NORMAL MORPHOLOGY
METHOD : MICROSCOPIC EXAMINATION

PLATELETS ADEQUATE

ERYTHRO SEDIMENTATION RATE, BLOOD

SEDIMENTATION RATE (ESR) 06 0 - 14 mm at 1 hr
METHOD : WESTERGREN METHOD

GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD

GLYCOSYLATED HEMOGLOBIN (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 : HPLC

MEAN PLASMA GLUCOSE 116.9 High < 116.0 mg/dL
METHOD : CALCULATED PARAMETER

GLUCOSE, FASTING, PLASMA

GLUCOSE, FASTING, PLASMA 107 High 74.0 - 106.0 mg/dL
METHOD : GLUCOSE OXIDASE

GLUCOSE, POST-PRANDIAL, PLASMA

GLUCOSE, POST-PRANDIAL, PLASMA 89 74 - 140 mg/dL
METHOD : GLUCOSE OXIDASE

CORONARY RISK PROFILE (LIPID PROFILE), SERUM.

CHOLESTEROL 190 < 200 Desirable
200 - 239 Borderline High
>/= 240 High mg/dL
METHOD : CHOLESTEROL OXIDASE

TRIGLYCERIDES 121 Normal: <150
Borderline high: 150 - 199
High: 200 - 499
Very high: > or = 500 mg/dL
METHOD : ENZYMATIC ASSAY



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Table with 5 columns: Test Report Status, Results, Biological Reference Interval, Units. Rows include HDL CHOLESTEROL, DIRECT LDL CHOLESTEROL, NON HDL CHOLESTEROL, CHOL/HDL RATIO, LDL/HDL RATIO, VERY LOW DENSITY LIPOPROTEIN, LIVER FUNCTION PROFILE, SERUM (BILIRUBIN, TOTAL, BILIRUBIN, DIRECT, BILIRUBIN, INDIRECT, TOTAL PROTEIN, ALBUMIN, GLOBULIN, ALBUMIN/GLOBULIN RATIO, ASPARTATE AMINOTRANSFERASE, ALANINE AMINOTRANSFERASE, ALKALINE PHOSPHATASE, GAMMA GLUTAMYL TRANSFERASE, LACTATE DEHYDROGENASE), and SERUM BLOOD UREA NITROGEN (BLOOD UREA NITROGEN).



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METHOD : UREASE WITH INDICATOR DYE

CREATININE, SERUM

CREATININE 1.01 0.66 - 1.25 mg/dL

METHOD : ENZYMATIC IDMS

BUN/CREAT RATIO

BUN/CREAT RATIO 11.88

URIC ACID, SERUM

URIC ACID 5.8 3.5 - 8.5 mg/dL

METHOD : URICASE UV

TOTAL PROTEIN, SERUM

TOTAL PROTEIN 7.8 6.3 - 8.30 g/dL

METHOD : BIURET, END POINT

ALBUMIN, SERUM

ALBUMIN 4.9 3.5 - 5.0 g/dL

METHOD : BCG DYE BINDING METHOD

GLOBULIN

GLOBULIN 2.8 2.0 - 3.5 g/dL

METHOD : CALCULATED PARAMETER

ELECTROLYTES (NA/K/CL), SERUM

SODIUM 139 137 - 145 mmol/L

METHOD : ION SELECTIVE ELECTRODE TECHNOLOGY

POTASSIUM 4.6 3.6 - 5.0 mmol/L

METHOD : ION SELECTIVE ELECTRODE TECHNOLOGY

CHLORIDE 107 98 - 107 mmol/L

METHOD : ION SELECTIVE ELECTRODE TECHNOLOGY

PHYSICAL EXAMINATION, URINE

COLOR PALE YELLOW

METHOD : VISUAL INSPECTION

APPEARANCE CLEAR

METHOD : VISUAL INSPECTION

SPECIFIC GRAVITY 1.005 1.003 - 1.035

METHOD : IONIC CONCENTRATION METHOD

CHEMICAL EXAMINATION, URINE

PH 6.0 4.7 - 7.5

METHOD : DOUBLE INDICATOR PRINCIPLE

PROTEIN NOT DETECTED NOT DETECTED

METHOD : TETRA BROMOPHENOL BLUE/SULFOSALICYLIC ACID





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Main data table containing test results for Glucose, Ketones, Blood, Urobilinogen, Nitrite, Leukocyte Esterase, Microscopic Examination of Urine, Thyroid Panel (T3, T4, TSH), and Stool Examination (Ova & Parasite).



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Table with 4 columns: Test Report Status, Results, Biological Reference Interval, Units. Rows include: MUCUS, VISIBLE BLOOD, POLYMORPHONUCLEAR LEUKOCYTES, RED BLOOD CELLS, TROPHOZOITES, CYSTS, OVA, LARVAE, OCCULT BLOOD

REMARK NO OVA CYST SEEN AFTER PERFORMING CONCENTRATION TECHNIQUE FOR STOOL SAMPLE

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD

ABO GROUP TYPE O

METHOD : GEL COLUMN AGGLUTINATION METHOD.

RH TYPE POSITIVE

METHOD : GEL COLUMN AGGLUTINATION METHOD.

XRAY-CHEST

IMPRESSION BLUNTING OF LEFT COSTOPHRENIC ANGLE NOTED SUGGESTIVE OF ? PLEURAL THICKENING.

TMT OR ECHO

TMT OR ECHO 2 D ECHO :- MILD CONCENTRIC LVH MILD TR GRADE I LVDIASTOLIC DYSFUNCTION.

ECG

ECG WITHIN NORMAL LIMITS

MEDICAL HISTORY

RELEVANT PRESENT HISTORY HYPERTENSION SINCE 22 YEARS.

RELEVANT PAST HISTORY PTCA IN 2015-ON REGULAR FOLLOW UP WITH CARDIOLOGIST. PAST H/O KOCH'S SPINS.



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RELEVANT PERSONAL HISTORY MARRIED / VEG. DIET / NO ALLERGIES / NO SMOKING / NO ALCOHOL.
RELEVANT FAMILY HISTORY NOT SIGNIFICANT
HISTORY OF MEDICATIONS TAB:- ROSAVEL A / OLMEZEST BETA

ANTHROPOMETRIC DATA & BMI

HEIGHT IN METERS 1.73 mts
WEIGHT IN KGS. 92 Kgs
BMI 31
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 OBESE
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
CAROTID PULSATION NORMAL
TEMPERATURE NORMAL
PULSE 72/MIN.REGULAR, ALL PERIPHERAL PULSES WELL FELT, NO CAROTID BRUIT
RESPIRATORY RATE NORMAL

CARDIOVASCULAR SYSTEM

BP 130/80 MM HG mm/Hg (SUPINE)
PERICARDIUM NORMAL
APEX BEAT NORMAL
HEART SOUNDS NORMAL
MURMURS ABSENT

RESPIRATORY SYSTEM

SIZE AND SHAPE OF CHEST NORMAL



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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

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

CONJUNCTIVA NORMAL
EYELIDS NORMAL
EYE MOVEMENTS NORMAL
CORNEA NORMAL
DISTANT VISION RIGHT EYE WITHOUT GLASSES WITHIN NORMAL LIMIT
DISTANT VISION LEFT EYE WITHOUT GLASSES WITHIN NORMAL LIMIT
NEAR VISION RIGHT EYE WITHOUT GLASSES REDUCED VISUAL ACUITY 6/12
NEAR VISION LEFT EYE WITHOUT GLASSES REDUCED VISUAL ACUITY 6/8
NEAR VISION RIGHT EYE WITH GLASSES WITHIN NORMAL LIMIT
NEAR VISION LEFT EYE WITH GLASSES WITHIN NORMAL LIMIT
COLOUR VISION NORMAL

SUMMARY

RELEVANT HISTORY NOT SIGNIFICANT
RELEVANT GP EXAMINATION FINDINGS OBESE (BMI:-31)



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REMARKS / RECOMMENDATIONS

ADVICE:-
1)REGULAR FOLLOW UP WITH CARDIOLOGIST ADVISABLE.
2)WEIGHT LOSS:- LOW CALORIE, HIGH FIBRE DIET, REGULAR EXERCISE.

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.
(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 poikilocytosis, spherocytosis or sickle cells.

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, 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 glycosylated hemoglobin values due to the shortened life span of the red cells. This effect will depend upon the severity of the anemia. Samples from patients with polycythemia or post-splenectomy may exhibit increased glycosylated 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 glycosylated serum protein (fructosamine) should be considered.
"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

- 1. 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
GLUCOSE, POST-PRANDIAL, PLASMA-ADA Guidelines for 2hr post prandial glucose levels is only after ingestion of 75grams of glucose in 300 ml water,over a period of 5 minutes.
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.



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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.

High-density lipoprotein (HDL) cholesterol. This is sometimes called the ""good"" cholesterol because it helps carry away LDL cholesterol, thus keeping arteries open and blood flowing more freely.HDL cholesterol is inversely related to the risk for cardiovascular disease.

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.

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.

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).

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.

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.

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

- SIADH.

CREATININE, SERUM-

Higher than normal level may be due to:



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PATIENT ID : DEVRM130866181

ACCESSION NO : 0181VE001222 AGE : 55 Years SEX : Male

DRAWN : RECEIVED : 24/05/2022 09:05 REPORTED : 25/05/2022 12:09

REFERRING DOCTOR : SELF

CLIENT PATIENT ID :

Table with 5 columns: Test Report Status, Final, Results, Biological Reference Interval, Units

- 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
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'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 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.

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, 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 hyperfunction, 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,

THYROID PANEL, SERUM-

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.

Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3

Table with 4 columns: Levels in, TOTAL T4 (µg/dL), TSH3G (µIU/mL), TOTAL T3 (ng/dL). Rows for Pregnancy, First Trimester, 2nd Trimester, 3rd Trimester.

Below mentioned are the guidelines for age related reference ranges for T3 and T4.

Table with 2 columns: T3 (ng/dL), T4 (µg/dL)



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Patient Ref. No. 18100000300150

CLIENT CODE : C000138394

CLIENT'S NAME AND ADDRESS :
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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:

- 1. Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.
2. Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.
3. Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition

STOOL: OVA & PARASITE-

Acute infective diarrhoea and gastroenteritis (diarrhoea with vomiting) are major causes of ill health and premature death in developing countries. Loss of water and electrolytes from the body can lead to severe dehydration which if untreated, can be rapidly fatal in young children, especially that are malnourished, hypoglycaemic, and generally in poor health.

Laboratory diagnosis of parasitic infection is mainly based on microscopic examination and the gross examination of the stool specimen. Depending on the nature of the parasite, the microscopic observations include the identification of cysts, ova, trophozoites, larvae or portions of adult structure. The two classes of parasites that cause human infection are the Protozoa and Helminths. The protozoan infections include amoebiasis mainly caused by Entamoeba histolytica and giardiasis caused by Giardia lamblia. The common helminthic parasites are Trichuris trichiura, Ascaris lumbricoides, Strongyloides stercoralis, Taenia sp. 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

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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Test Report Status	Final	Results	Units
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MEDI WHEEL FULL BODY HEALTH CHECK UP ABOVE 40 MALE

ULTRASOUND ABDOMEN
ULTRASOUND ABDOMEN
GRADE I FATTY LIVER

****End Of Report****

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

Dr. Sheetal Sawant
Consultant Microbiologist

Dr. Priyal Chinchkhede
Consultant Pathologist

Dr. Ushma Wartikar
Consultant Pathologist



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