

From,

Meether R. das

To,

DDRC SRL

Respected Sir / ptum

lam not Intrested to do PPBS, A. papamear, X-bay, Fily, asy, G.Echo.









CLIENT CODE: CA00010147 - MEDIWHEEL CLIENT'S NAME AND ADDRESS :

MEDIWHEEL ARCOFEMI HEALTHCARE LIMITED

F701A, LADO SARAI, NEW DELHI, SOUTH DELHI, DELHI, SOUTH DELHI 110030 **DELHI INDIA**

8800465156

DDRC SRL DIAGNOSTICS ASTER SQUARE BUILDING, ULLOOR, MEDICAL COLLEGE P.O.

TRIVANDRUM, 695011 KERALA, INDIA

Tel: 93334 93334, Fax: CIN - U85190MH2006PTC161480

Email: customercare.ddrc@srl.in

PATIENT NAME: MRS NEETHU R DAS

ACCESSION NO: 4182WA006632 AGE: 32 Years

SEX: Female

ABHA NO:

DRAWN:

RECEIVED: 14/01/2023 11:11

REPORTED :

16/01/2023 08:33

MRSNF1401914182

mg/dL

mg/dL

mg/dL

REFERRING DOCTOR: SELF

CLIENT PATIENT ID:

PATIENT ID:

Units Results **Test Report Status** Preliminary

MEDIWHEEL HEALTH CHECKUP BELOW 40(F)2DECHO

* BLOOD UREA NITROGEN (BUN), SERUM

BLOOD UREA NITROGEN

* BUN/CREAT RATIO

BUN/CREAT RATIO

CREATININE, SERUM

0.73 CREATININE

RESULT PENDING

7

9.9

* GLUCOSE, POST-PRANDIAL, PLASMA **GLUCOSE FASTING, FLUORIDE PLASMA**

94 GLUCOSE, FASTING, PLASMA

Diabetes Mellitus: > or = 126.

Impaired fasting Glucose/ Prediabetes: 101 - 125. : < 55. Hypoglycemia

Adult(<60 yrs): 6 to 20

18 - 60 yrs: 0.6 - 1.1

* GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE

BLOOD

GLYCOSYLATED HEMOGLOBIN (HBA1C)

Normal

: 4.0 - 5.6%. %

: < 5.7%. Non-diabetic level : >6.5% Diabetic

Glycemic control goal

More stringent goal : < 6.5 %. : < 7%. General goal Less stringent goal : < 8%.

Glycemic targets in CKD :-If eGFR > 60: < 7%.

MEAN PLASMA GLUCOSE 105.4

186

118

40

If eGFR < 60: 7 - 8.5%.

Desirable : < 200

Borderline: 200-239 High : >or= 240

Normal : < 150

: 150-199 High

Hypertriglyceridemia: 200-499

Very High: > 499

General range: 40-60

mg/dL

mg/dL

mg/dL

mg/dL



* LIPID PROFILE, SERUM

CHOLESTEROL

TRIGLYCERIDES

HDL CHOLESTEROL

CIN: U85190MH2006PTC161480

(Refer to "CONDITIONS OF REPORTING "Overleaf)

Page 2 Of 9

Diagnostic Services

DDRC SRL DIAGNOSTICS ASTER SQUARE BUILDING, ULLOOR, DIA'S LEADING GIAGNOSTICS NETWORK MEDICAL COLLEGE P.O

TRIVANDRUM, 695011

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PATIENT ID :

PATIENT NAME: MRS NEETHUR DAS

MEDIWHEEL ARCOFEMI HEALTHCARE LIMITED F701A, LADO SARAI, NEW DELHI, SOUTH DELHI, DELHI,

ACCESSION NO: 4182WA006632 AGE: 32 Years SEX: Female

SOUTH DELHI 110030 DELHI INDIA

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CLIENT PATIENT ID:

| REFERRING DOCTOR: SELF | | CLIENT PATIENT ID : | | | |
|--------------------------------|--------------------|---------------------|---|--------------|--|
| | | | | Units | |
| Test Report Status | Preliminary | Results | | | |
| DIRECT LDL CHOLESTEROL | | 134 | Optimum : < 100 Above Optimum : 100-139 Borderline High : 130-159 High : 160-189 Very High : >or= 190 | mg/dL | |
| NON HDL CHOLESTEROL | | 146 | High Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220 | mg/dL | |
| CHOL/HDL RATIO | | 4.7 | High 3.3-4.4 Low Risk 4.5-7.0 Average Risk 7.1-11.0 Moderate Risk > 11.0 High Risk | | |
| LDL/HDL RATIO | | 3.4 | High 0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate >6.0 High Risk | | |
| | | 23.6 | Desirable value : | mg/dL | |
| VERY LOW DENS | SITY LIPOPROTEIN | 25.0 | 10 - 35 | | |
| * LIVER FUNCTION TEST WITH GGT | | | General Range : < 1.1 | mg/dL | |
| BILIRUBIN, TOT | | 0.63 | General Range : < 0.3 | mg/dL | |
| BILIRUBIN, DIR | | 0.17 | 0.00 - 0.60 | mg/dL | |
| BILIRUBIN, IND | IRECT | 0.46 7.8 | Ambulatory : 6.4 - 8.3 Recumbant : 6 - 7.8 20-60yrs : 3.5 - 5.2 | g/dL g/dL | |
| DUMATAL | | 4.5 | | g/dL | |
| ALBUMIN GLOBULIN | | 3.3 | 2.0 - 4.0 Neonates - Pre Mature: 0.29 - 1.04 | | |
| | | 1.4 | General Range: 1.1 - 2.5 | RATIO | |
| | MINOTRANSFERASE | 13 | Adults: < 33 | U/L | |
| (AST/SGOT) ALANINE AMIN | IOTRANSFERASE | 10 | Adults: < 34 | | |
| (ALT/SGPT) | COLLATACE | 83 | Adult (<60yrs) : 35 - 105 | U/L | |
| ALKALINE PHO GAMMA GLUTA | AMYL TRANSFERASE (| | Adult (female) : < 40 | U/L | |
| TOTAL PROTEIN | | 7.8 | Ambulatory: 6.4 - 8.3 Recumbant: 6 - 7.8 | g/dL | |
| URIC ACID, SER | RUM | 4.4 | Adults: 2.4-5.7 | mg/dL | |
| | | | | Dage 3 O | |



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REFERRING DOCTOR: SELF Units Results **Test Report Status Preliminary** ABO GROUP & RH TYPE, EDTA WHOLE BLOOD TYPE O ABO GROUP POSITIVE RH TYPE BLOOD COUNTS, EDTA WHOLE BLOOD g/dL 12.0 - 15.0 14.1 HEMOGLOBIN mil/µL High 3.8 - 4.8 4.82 RED BLOOD CELL COUNT 4.0 - 10.0 thou/µL 6.78 WHITE BLOOD CELL COUNT 150 - 410 thou/µL 375 PLATELET COUNT **RBC AND PLATELET INDICES** % 36 - 46 41.6 HEMATOCRIT 83 - 101 86.3 MEAN CORPUSCULAR VOL 27.0 - 32.0 pq 29.3 MEAN CORPUSCULAR HGB. 31.5 - 34.5 g/dL 34.0 MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION % 12.0 - 18.0 15.6 RED CELL DISTRIBUTION WIDTH 17.9 MENTZER INDEX fL 6.8 - 10.9 7.7 MEAN PLATELET VOLUME WBC DIFFERENTIAL COUNT % 40 - 80 44 SEGMENTED NEUTROPHILS 43 High 20 - 40 % LYMPHOCYTES % 2 - 10 7 MONOCYTES % 1 - 6 6 EOSINOPHILS 9/0 0 - 2O BASOPHILS thou/µL 2.0 - 7.0ABSOLUTE NEUTROPHIL COUNT 2.98 1 - 3 thou/µL ABSOLUTE LYMPHOCYTE COUNT 2.92 0.20 - 1.00thou/µL 0.47 ABSOLUTE MONOCYTE COUNT thou/µL 0.02 - 0.50ABSOLUTE EOSINOPHIL COUNT 0.41 thou/µL ABSOLUTE BASOPHIL COUNT 0.0 NEUTROPHIL LYMPHOCYTE RATIO (NLR) **ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE** BLOOD 0 - 20mm at 1 hr 18 SEDIMENTATION RATE (ESR) RESULT PENDING * SUGAR URINE - POST PRANDIAL * THYROID PANEL, SERUM ng/dL 80.00 - 200.00 108.60 **T3**



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Page 4 Of 9 Scan to View Report

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s SEX : Female

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MRSNF1401914182

DEFENDANC DOCTOR - CELE

DRAWN:

RECEIVED: 14/01/2023 11:11

CLIENT PATIENT ID :

| Results | | Units | |
|---------|---------------------------|--|--|
| 9.80 | 5.10 - 14.10 | µg/dl | |
| 6.350 | Non-Pregnant: 0.4 - 4.2 | μIU/mL | |
| | Pregnant Trimester-wise : | | |
| | | | |
| | 3rd : 0.3 - 3 | | |
| | 9.80 | 9.80 5.10 - 14.10 6.350 Non-Pregnant : 0.4 - 4.2 Pregnant Trimester-wise : 1st : 0.1 - 2.5 2nd : 0.2 - 3 | |

Interpretation(s)

Triiodothyronine T3, Thyroxine T4, and Thyroid Stimulating Hormone TSH are thyroid hormones which affect almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate.

Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary

gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hyperthyroidism, TSH levels are low. Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3. Measurement of the serum TT3 level is a more sensitive test for the diagnosis of hyperthyroidism, and measurement of TT4 is more useful in the diagnosis of hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active. It is advisable to detect Free T3, FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4.

| Sr. No. | TSH | Total T4 | FT4 | Total T3 | Possible Conditions | |
|---------|------------|----------|--------|----------|---|--|
| 1 | High | Low | Low | Low | (1) Primary Hypothyroidism (2) Chronic autoimmune Thyroiditis (3 Post Thyroidectomy (4) Post Radio-Iodine treatment | |
| 2 | High | Normal | Normal | Normal | (1)Subclinical Hypothyroidism (2) Patient with insufficient thyroid hormone replacement therapy (3) In cases of Autoimmune/Hashimoto thyroiditis (4). Isolated increase in TSH levels can be due to Subclinical inflammation, drugs like amphetamines, Iodine containing drug and dopamine antagonist e.g. domperidone and other physiological reasons. | |
| 3 | Normal/Low | Low | Low | Low | (1) Secondary and Tertiary Hypothyroidism | |
| 4 | Low | High | High | High | (1) Primary Hyperthyroidism (Graves Disease) (2) Multinodular Goitre (3)Toxic Nodular Goitre (4) Thyroiditis (5) Over treatment of thyroid hormone (6) Drug effect e.g. Glucocorticoids, dopamine, T4 replacement therapy (7) First trimester of Pregnancy | |
| 5 | Low | Normal | Normal | Normal | (1) Subclinical Hyperthyroidism | |
| 6 | High | High | High | High | (1) TSH secreting pituitary adenoma (2) TRH secreting tumor | |
| 7 | Low | Low | Low | Low | (1) Central Hypothyroidism (2) Euthyroid sick syndrome (3) Recent treatment for Hyperthyroidism | |
| 8 | Normal/Low | Normal | Normal | High | (1) T3 thyrotoxicosis (2) Non-Thyroidal illness | |
| 9 | Low | High | High | Normal | (1) T4 Ingestion (2) Thyroiditis (3) Interfering Anti TPO antibodies | |

REF: 1. TIETZ Fundamentals of Clinical chemistry 2. Guidlines of the American Thyroid association during pregnancy and Postpartum, 2011.

NOTE: It is advisable to detect Free T3, FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4. TSH is not affected by variation in thyroid - binding protein. TSH has a diurnal rhythm, with peaks at 2:00 - 4:00 a.m. And troughs at 5:00 - 6:00 p.m. With ultradian variations.

PHYSICAL EXAMINATION, URINE



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CLIENT PATIENT ID:

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| Test Report Status <u>Preliminary</u> | Results | | Units |
|--|-----------------------------|---------------|-------|
| COLOR APPEARANCE | YELLOWISH SLIGHTLY HAZY | | |
| CHEMICAL EXAMINATION, URINE | | 42.25 | |
| PH | 5.0 | 4.7 - 7.5 | |
| SPECIFIC GRAVITY | 1.015 | 1.003 - 1.035 | |
| PROTEIN | DETECTED (TRACE) | NOT DETECTED | |
| GLUCOSE | NOT DETECTED | NOT DETECTED | |
| KETONES | NOT DETECTED | NOT DETECTED | |
| BLOOD | DETECTED (++++) IN URINE | NOT DETECTED | |
| BILIRUBIN | NOT DETECTED | NOT DETECTED | |
| UROBILINOGEN | NORMAL | NORMAL | |
| NITRITE | NOT DETECTED | NOT DETECTED | |
| MICROSCOPIC EXAMINATION, URINE | | | |
| RED BLOOD CELLS | DETECTED (LARGE NOS.) | NOT DETECTED | /HPF |
| WBC | 8-10 | 0-5 | /HPF |
| EPITHELIAL CELLS CASTS CRYSTALS | 2-3 NEGATIVE NEGATIVE | 0-5 | /HPF |
| * SUGAR URINE - FASTING | NOT DETECTED | NOT DETECTED | |
| SUGAR URINE - FASTING * PHYSICAL EXAMINATION,STOOL | NOT DETECTED RESULT PENDING | NOT DETECTED | |
| * CHEMICAL EXAMINATION, STOOL | RESULT PENDING | | |
| * MICROSCOPIC EXAMINATION, STOOL | RESULT PENDING | | |

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



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Preliminary

Results

Units

Muscular dystrophy

Test Report Status

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.

While random serum glucose levels correlate with home glucose monitoring results (weekly mean capillary glucose values), there is wide fluctuation within individuals. Thus,

while random serum glucose levels correlate with nome glucose monitoring results (weekly mean capillary glucose values), there is wide fluctuation within individuals. Thus glycosylated hemoglobin(HbA1c) levels are favored to monitor glycomic 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.

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

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

2.Diagnosing diabetes.

3.Identifying patients at increased risk for diabetes (prediabetes).

3.1dentifying patients at increased risk for diabetes (prediabetes).

The ADA recommends measurement of HbA1c (typically 3-4 times per year for type 1 and poorly controlled type 2 diabetic patients, and 2 times per year for well-controlled type 2 diabetic patients) to determine whether a patients metabolic control has remained continuously within the target range.

1.eAG (Estimated average glucose) converts percentage HbA1c to md/dl, to compare blood glucose levels.

2. eAG gives an evaluation of blood glucose levels for the last couple of months.

3. eAG is calculated as eAG (mg/dl) = 28.7 * HbA1c - 46.7

HbA1c Estimation can get affected due to:

I.Shortened Erythrocyte survival: Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g. recovery from acute blood loss, hemolytic anemia) will falsely lower HbA1c test results. Fructosamine is recommended in these patients which indicates diabetes control over 15 days.

II.Vitamin C & E are reported to falsely lower test results. (possibly by inhibiting glycation of hemoglobin.

III. Iron deficiency anemia is reported to increase test results. Hypertrigityceridemia, uremia, hyperbilirubinemia, chronic alcoholism, chronic ingestion of salicylates & opiates addiction are reported to interfere with some assay methods, falsely increasing results.

a.Homozygous 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

CHBF > 25% on atternate pattern (coronacy arter) (coronac 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's to design the stored in the blood. When you eat, your body converts any calories it doesn's to design the stored in the blood. When you eat, your body converts any calories it doesn's to design the stored in the blood. When you eat, your body converts any calories it doesn's to design the stored in the blood. When you eat, your body converts any calories it doesn's to design the stored in the blood. When you eat, your body converts any calories it doesn's to design the stored in the blood. When you eat, your body converts any calories it doesn's to design the stored in the blood. When you eat, your body converts any calories it doesn's to design the stored in the blood. Serum ringiverine are a type of rat in the blood. When you eat, your body converts any claimes it beest

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 blood 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.



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Preliminary

Results

Units

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.

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.

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

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.

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 HbAZ 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,

Princing a very accelerated ESK(>100 mm/) in pacents with in-defined participants of the proposed parti 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. SUGAR URINE - FASTING-METHOD: DIPSTICK/BENEDICT'S TEST



CIN: U85190MH2006PTC161480

Page 8 Of 9 Scan to View Report







CLIENT CODE: CA00010147 - MEDIWHEEL CLIENT'S NAME AND ADDRESS :

MEDIWHEEL ARCOFEMI HEALTHCARE LIMITED F701A, LADO SARAI, NEW DELHI, SOUTH DELHI, DELHI, SOUTH DELHI 110030 **DELHI INDIA**

DDRC SRL DIAGNOSTICS ASTER SQUARE BUILDING, ULLOOR, MEDICAL COLLEGE P.O. TRIVANDRUM, 695011 KERALA, INDIA

Tel: 93334 93334, Fax: CIN - U85190MH2006PTC161480

Email: customercare.ddrc@srl.in

PATIENT NAME: MRS NEETHU R DAS

ACCESSION NO: 4182WA006632 AGE: 32 Years

SEX: Female

ABHA NO:

REPORTED:

16/01/2023 08:33

DRAWN:

8800465156

RECEIVED: 14/01/2023 11:11

CLIENT PATIENT ID :

PATIENT ID :

Test Report Status

REFERRING DOCTOR: SELF

Preliminary

Results

Units

MRSNF1401914182

MEDIWHEEL HEALTH CHECKUP BELOW 40(F)2DECHO

* ECG WITH REPORT

REPORT

REPORT PENIDING

* USG ABDOMEN AND PELVIS

REPORT PENDING

* CHEST X-RAY WITH REPORT

REPORT

REPORT PENDING

* 2D - ECHO WITH COLOR DOPPLER

REPORT

REPORT PENDING

End Of Report

Please visit www.srlworld.com for related Test Information for this accession TEST MARKED WITH '*' ARE OUTSIDE THE NABL ACCREDITED SCOPE OF THE LABORATORY.

Bellemann

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DCP(Pathology) (Reg No - TCC 27150)

HOD - HAEMATOLOGY

tha Jadar

DR. ASTHA YADAV, MD **Biochemistry** (Reg No - DMC/R/20690) CONSULTANT BIOCHEMIST DR NISHA UNNI, MBBS,MD (RD), DNB (Reg.No:50162) **Consultant Radiologist**

Midde



CIN: U85190MH2006PTC161480 (Refer to "CONDITIONS OF REPORTING" Overleaf) Page 9 Of 9

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