

NAME: PARAMESWARAN GOURI S

AGE/ SEX: 28/F

DATE: 09.07.2022

X-RAY -CHEST WITH REPORT

CHEST X-RAY

NORMAL

Impression

With in Radiological Limits

DR. ANJALI NAIR. V. MBBS, MD Reg. No: 46952 CONSULTANT MICROBIOLOGIST

A.

DR . ANJALI NAIR V

MBBS MD

CONULTANT MICROBIOLOGIST

DDRC SRL DIAGNOSTICS PVT LTD



GOURI 29Y F CHEST-PA 709-Jul-22 01:53 PM

DDRCSRL DIAGNOSTIC (P) LTD, KADAPPAKKADA, KOLLAN



NAME: PARAMESWARAN GOURI S

AGE/SEX : 28/F

DATE: 09.07.2022

ELECTRO CARDIOGRAM REPORT

ELECTRO CARDIOGRAM : HR: 74 bpm.

> Impression

? OT prolagedai. Fursher cardiology evaluedai advised.

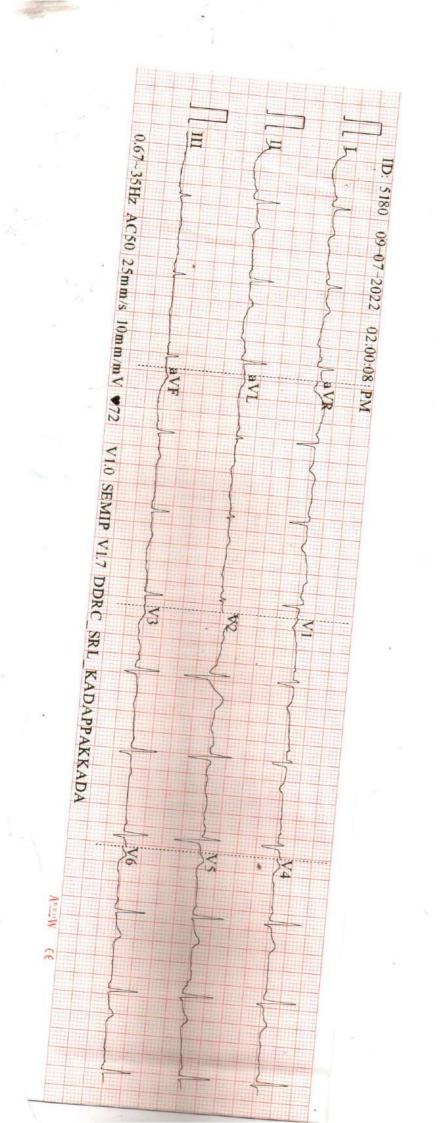
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DDRC SRL DIAGNOSTICS PVT LTD



| QRS QT/QTc P/QRS/T RVS/SVI | PR PR | Female 29Years cm | ID: 5180 |
|----------------------------------------------------------------------------------|----------|-------------------------|------------------------|
| . 69 ms . 379/421 ms . 20/50/41 ° . 0.808/0.423 mV Report Confirmed by: | : 74 bpm | kg mmHg | Diagnosis Information: |





DDRC SRL DIAGNOSTICS Phoenix Tower, Near Central Park Hotel, Prathibha Junction, Kadappakada, KOLLAM, 691008 KERALA, INDIA

KERALA, INDIA Tel: 93334 93334

Email: customercare.ddrc@srl.in

PATIENT NAME: PARAMESWARAN GOURI S PATIENT ID: PARAF1807944071

ACCESSION NO: 4071VG001984 AGE: 28 Years SEX: Female

DRAWN: RECEIVED: 18/07/2022 12:26 REPORTED: 26/07/2022 13:16

REFERRING DOCTOR: SELF CLIENT PATIENT ID:

Test Report Status Results Biological Reference Interval Units

MEDIWHEEL HEALTH CHECKUP BELOW 40(F)TMT RESULT PENDING

TREADMILL TEST RESULT PENDING
OPTHAL RESULT PENDING



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MEDIWHEEL HEALTH CHECKUP BELOW 40(F)TMT

| CEDIIM | IIDEA | NTTROGEN |
|--------|-------|----------|
| | | |

| BLOOD UREA NITROGEN | | ma/dL |
|---------------------|--|-------|
| | | |
| | | |

BUN/CREAT RATIO

BUN/CREAT RATIO 11.8

CREATININE, SERUM

| CREATININE | 0.93 | High 0.50 - 0.90 | mg/dL |
|------------|------|------------------|-------|
| | | | |

GLUCOSE, POST-PRANDIAL, PLASMA RESULT PENDING

GLUCOSE, FASTING, PLASMA

GLUCOSE, FASTING, PLASMA 75.5 74 - 106 mg/dL

GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD

GLYCOSYLATED HEMOGLOBIN (HBA1C) 5.4 %

MEAN PLASMA GLUCOSE 108.3 mg/dL

CORONARY RISK PROFILE (LIPID PROFILE), SERUM

| CHOLESTEROL | 201 F | High | Desirable cholesterol level < 200 Borderline high cholesterol 200 - 239 High cholesterol > / = 240 | mg/dL |
|-----------------|-------|------|-------------------------------------------------------------------------------------------------------------------|-------|
| TRIGLYCERIDES | 65 | | Normal: < 150 Borderline high: 150 - 199 High: 200 - 499 Very High: >/= 500 | mg/dL |
| HDL CHOLESTEROL | 53 | | Low HDL cholesterol < 40 High HDL cholesterol > / = 60 | mg/dL |

DIRECT LDL CHOLESTEROL 133 High Adult Optimal: < 100

Near optimal : 100 - 129 Borderline high : 130 - 159 High : 160 - 189

Very high: > or = 190 NON HDL CHOLESTEROL **148 High** Desirable: Less than 130

High Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219

Very high: > or = 220





mg/dL

mg/dL

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|--------------------------------------------------------------|----------|----------------------------------------------------------------------------------------|---------|
| CHOL/HDL RATIO | 3.8 | 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 | 2.5 | 0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk | |
| VERY LOW DENSITY LIPOPROTEIN | 13.0 | Desirable value : 10 - 35 | mg/dL |
| Comments | | | |
| * Kindly correlate clinically. LIVER FUNCTION TEST WITH GGT | | | |
| BILIRUBIN, TOTAL | 0.31 | < 1.1 | mg/dL |
| BILIRUBIN, DIRECT | <0.08 | < or = 0.30 | mg/dL |
| BILIRUBIN, INDIRECT | 0.23 | | mg/dL |
| TOTAL PROTEIN | 7.6 | 6.4 - 8.3 | g/dL |
| ALBUMIN | 4.4 | 3.5 - 5.2 | g/dL |
| GLOBULIN | 3.2 | 2.0 - 4.0 Neonates - Pre Mature: 0.29 - 1.04 | g/dL |
| ALBUMIN/GLOBULIN RATIO | 1.4 | 1.0 - 2.0 | RATIO |
| ASPARTATE AMINOTRANSFERASE (AST/SGOT) | 21 | < 32 | U/L |
| ALANINE AMINOTRANSFERASE (ALT/SGPT) | 14 | < 33 | U/L |
| ALKALINE PHOSPHATASE | 71 | 35 - 105 | U/L |
| GAMMA GLUTAMYL TRANSFERASE (GGT) | 12 | 5 - 36 | U/L |
| TOTAL PROTEIN, SERUM | | | |
| TOTAL PROTEIN | 7.6 | 6.6 - 8.7 | g/dL |
| URIC ACID, SERUM | | | |
| URIC ACID | 5.0 | 2.4 - 5.7 | mg/dL |
| ABO GROUP & RH TYPE, EDTA WHOLE BLOOD | 1 | | |
| ABO GROUP | TYPE B | | |
| RH TYPE | POSITIVE | | |
| BLOOD COUNTS | | | |
| HEMOGLOBIN | 13.3 | 12.0 - 16.0 | g/dL |
| RED BLOOD CELL COUNT | 4.61 | 3.8 - 4.8 | mil/μL |
| WHITE BLOOD CELL COUNT | 5.38 | 4.0 - 10.0 | thou/µL |



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|-------------------------------------------|----------------|------|---------------|------------|
| | | | | |
| PLATELET COUNT | 347 | | 150 - 410 | thou/µL |
| RBC AND PLATELET INDICES | 40.0 | | 26 46 | 0/ |
| HEMATOCRIT | 43.8 | | 36 - 46 | % |
| MEAN CORPUSCULAR VOL | 95.0 | | 83 - 101 | fL |
| MEAN CORPUSCULAR HGB. | 28.8 | | 27.0 - 32.0 | pg |
| MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION | 30.3 | Low | 31.5 - 34.5 | g/dL |
| RED CELL DISTRIBUTION WIDTH | 14.8 | High | 11.6 - 14.0 | % |
| MEAN PLATELET VOLUME | 7.7 | | 6.8 - 10.9 | fL |
| WBC DIFFERENTIAL COUNT - NLR | | | | |
| SEGMENTED NEUTROPHILS | 59 | | 40 - 80 | % |
| ABSOLUTE NEUTROPHIL COUNT | 3.17 | | 2.0 - 7.0 | thou/µL |
| LYMPHOCYTES | 33 | | 20 - 40 | % |
| ABSOLUTE LYMPHOCYTE COUNT | 1.78 | | 1.0 - 3.0 | thou/µL |
| NEUTROPHIL LYMPHOCYTE RATIO (NLR) | 1.8 | | | |
| EOSINOPHILS | 05 | | 1 - 6 | % |
| ABSOLUTE EOSINOPHIL COUNT | 0.27 | | 0.02 - 0.50 | thou/µL |
| MONOCYTES | 03 | | 2 - 10 | % |
| ABSOLUTE MONOCYTE COUNT | 0.16 | Low | 0.2 - 1.0 | thou/µL |
| ERYTHRO SEDIMENTATION RATE, BLOOD | | | | |
| SEDIMENTATION RATE (ESR) | 01 | | 0 - 20 | mm at 1 hr |
| STOOL: OVA & PARASITE | RESULT PENDING | 3 | | |
| URINALYSIS | | | | |
| COLOR | PALE YELLOW | | | |
| APPEARANCE | clear | | | |
| PH | 6.0 | | 4.8 - 7.4 | |
| SPECIFIC GRAVITY | 1.025 | | 1.015 - 1.030 | |
| GLUCOSE | NORMAL | | NOT DETECTED | |
| PROTEIN | NOT DETECTED | | NOT DETECTED | |
| KETONES | NOT DETECTED | | NOT DETECTED | |
| BLOOD | NOT DETECTED | | NOT DETECTED | |
| BILIRUBIN | NOT DETECTED | | NOT DETECTED | |
| UROBILINOGEN | NORMAL | | NORMAL | |
| NITRITE | NOT DETECTED | | NOT DETECTED | |



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| | | | |
| WBC | 2-3 | 0-5 | /HPF |
| EPITHELIAL CELLS | 1-2 | 0-5 | /HPF |
| RED BLOOD CELLS | NOT DETECTED | NOT DETECTED | /HPF |
| CASTS | NIL | | |
| CRYSTALS | NIL | | |
| BACTERIA | NOT DETECTED | NOT DETECTED | |
| THYROID PANEL, SERUM | | | |
| Т3 | 104.00 | 80 - 200 | ng/dL |
| T4 | 7.76 | 5.1 - 14.1 | μg/dl |
| TSH 3RD GENERATION | 2.020 | 0.270 - 4.200 | μIU/mL |

Interpretation(s)

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:

- 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 GLUCOSE, FASTING, PLASMA-

ADA 2012 guidelines for adults as follows: Pre-diabetics: 100 - 125 mg/dL Diabetic: > or = 126 mg/dL

(Ref: Tietz 4th Edition & ADA 2012 Guidelines)

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 anemia. 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.

"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



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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. 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 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.

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 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. 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
- Multiple Sclerosis

Nutritional tips to manage increased Uric acid levels

- Drink plenty of fluidsLimit animal proteins
- High Fibre foods



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28 Years

AGE:

Test Report Status Results Units

SEX: Female

• Vit C Intake

· Antioxidant rich foods

ACCESSION NO:

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

The test is performed by both forward as well as reverse grouping methods.

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-

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. 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.

- 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"

URINALYSIS-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-

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

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are lignificantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are lignificantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are lignificantly elevated.

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

Levels in Pregnancy TOTAL T4 TSH3G TOTAL T3 (µg/dL) (µIU/mL) (ng/dL) 6.6 - 12.4 6.6 - 15.5 0.1 - 2.5 0.2 - 3.0 81 - 190 100 - 260 First Trimester 2nd Trimester 3rd Trimester 6.6 - 15.5 0.3 - 3.0 100 - 260

Below mentioned are the guidelines for age related reference ranges for T3 and T4. $\mathsf{T3}$

(ng/dL) (µg/dL)



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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.

- 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



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USG ABDOMEN AND PELVIS RESULT PENDING

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

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