Vijaya Diagnostic Centre

3-6-16 & 17, Street No. 19, Himayatnagar, Hyderabad - 500 029

Email : info@vijayadiagnostic.com

www.vijayadiagnostic.com

LABORATORY TEST REPORT

Regn Date : 11/02/2020 08:21 Sample Collection : 11/02/2020 08:26 Name : MRS. UMA SAMBU RANI NANDIGAM Print Date : 11/02/2020 18:39 Regn No : 59204116 Age / Sex : 52 Years / Female Ref By : Dr. SOUTH CENTRAL RAILWAY Regn Centre : Manikonda - 59 Sample Type : Serum Ref no. :

T3,T4 & TSH

TEST NAME RESULT UNIT BIOLOGICAL REFERENCE INTERVAL

Total T3

: 6.3 ng/mL

Method : Chemiluminescence Immuno Assay (CLIA)

Total T4

0.60 - 1.81 ng/mL

Infants : 6.0 - 13.2 µg/dL

: 15.7 µg/dL

Children : 5.5 - 12.1 µg/dL

Adolescents : 5.5 - 11.1 µg/dL

Adults : 4.5 - 10.9 µg/dL

Pregnancy: 6.4 -10.7 µg/dL

Method : Chemiluminescence Immuno Assay (CLIA)

TSH ULTRASENSITIVE

Infants : 0.87 - 6.15 µIU/mL

: 0.016 µIU/mL

Children : 0.67 - 4.16 µIU/mL

Adolescents : 0.48 - 4.17 µIU/mL

Adults : 0.55 - 4.78 µIU/mL

Pregnancy :

1st Trimester : 0.3 - 4.5 µIU/mL

2nd Trimester : 0.5 - 4.6 µIU/mL

3rd Trimester : 0.8 - 5.2 µIU/mL

Method : Chemiluminescence Immuno Assay (CLIA)

Comments / Interpretation :

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- Patient preparation is particularly important for hormone studies, results of which may be markedly affected by many factors such as stress, position, fasting state, time of the day, preceding diet and drug therapy.

- The levels of T3 helps in the diagnosis of T3 Thyrotoxicosis and monitoring the course of hyperthyroidism. - T3 is not recommended for diagnosis of hypothyroidism as decreased values have minimal clinical significance. - Values below the lower limits can be caused by a number of conditions including non-thyroidal illness, acute and chronic stress and hypothyroidism.

- Elevated level of T4 are seen in hyperthyroidism, pregnancy, euthyroid patients with increased serum Thyroxine Binding Globulin.

- Decreased levels are noted in hypothyroidism, hypoproteinemia, euthyroid sick syndrome, decrease in Thyroxine Binding Globulin.

- TSH levels are increased in primary hypothyroidism, insufficient thyroid hormone replacement therapy, Hashimotos thyroiditis, use of amphetamines, dopamine antagonists, iodine containing agents, lithium and iodine induced or deficiency goiter.

- Decreased levels of TSH may be seen in Graves Disease, Toxic multinodular Goitre, Thyroiditis, Excessive treatment with thyroid hormone replacement and central Hypothyroidism.

DR.BIKASH K CHAUDHURY

Certificate # MC-2657

CONSULTANT BIOCHEMIST

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HAEMOGLOBIN (Hb)

TEST NAME RESULT BIOLOGICAL REFERENCE INTERVAL: 13.0 12.0 - 15.0 g/dL

Haemoglobin

Photometric measurement



DR.SHASHIKANTH

Certificate # MC-2657

CONSULTANT PATHOLOGIST

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LIPID PROFILE (LP)

TEST NAME RESULT BIOLOGICAL REFERENCE INTERVAL

Serum Status Triglycerides

Method : GPO - POD

Total Cholesterol

Method : CHOD - POD

LDL Cholesterol.

Method: Calculation

HDL Cholesterol Method : Elimination-Catalase/CHOD - POD

: Clear : 224

: 176 : 105

: 26

: 45

Normal : < 150 mg/dL

Borderline high : 150-199 mg/dL

High : 200-499 mg/dL

Very high : >/= 500 mg/dL

Desirable Level : < 200 mg/dL

Borderline : 200 – 239 mg/dL

Undesirable : >/= 240 mg/dL

Optimal : < 100 mg/dL

Near Optimal : 100 - 129 mg/dL

Borderline High : 130 - 159 mg/dL

High : 160 - 189 mg/dL

Very High : > 189 mg/dL

Desirable Level : > 60 mg/dL Optimal : 40 – 60 mg/dL Undesirable : < 40 mg/dL

< 30 mg/dL

VLDL Method: Calculation

: 6.77

Total Cholesterol/HDL Cholesterol Ratio

Method: Calculation

: 4.05

LDL Cholesterol/HDL Cholesterol Ratio

Method: Calculation

Comments / Interpretation :

Low Risk : 3.3 - 4.4 Average Risk : 4.5 - 7.1 Moderate Risk : 7.2 - 11.0

Desirable Level : 0.5 - 3.0 Borderline Risk : 3.0 - 6.0 High Risk : > 6.0

- Lipid profile is a panel of blood tests that serves as an initial broad medical screening tool for abnormalities in lipids, the results of this tests can identify certain genetic diseases and can determine approximate risks for cardiovascular disease, certain forms of pancreatitis and other diseases.



DR.BIKASH K CHAUDHURY

CONSULTANT BIOCHEMIST

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