



**കാരുണ്വ** ഡയഗോസ്റ്റിക്

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**Examinee Details:** 

Referred by:

Sample Details:

Age & Gender Telephone

**ARDRA** 

Address

: 6 Years / Female

Sample On

: 07-Oct-2024 2:24 am

Reported On

: KDC-7896 Lab No

IP/OP No

**Description of Test** 

**Observation and Remarks** 

Reference range

## **ENDOCRINOLOGY**

**FREE T4** 

: 1.01 ng/dL

Dr.LEUVENYA GUNASEKHARAN

0.7 - 1.7

TSH[Thyroid Stimulating Hormone]

: 1.67 µIU/mL

< 2 months: 0.30-20.0 2 months- 5 yrs: 0.54-8.0

6 yrs - 15 yrs : 0.35-5.5

Adults: 0.35-5.5

echnology used Fully Automated Chemi Luminescent Immuno Assay - C.L.I.A

## INTERPRETATION

- Circulating TSH measurement has been used for screening for euthyroidism, screening and diagnosis for hyperthyroidism & hypothyroidism. Suppressed TSH (<0.01 &mu;IU/mL) suggests a diagnosis of hyperthyroidism and elevated concentration (>7 &mu;IU/mL) suggest hypothyroidism. TSH levels may be affected by acute illness and several medications including dopamine and glucocorticoids. Decreased (low or undetectable) in Graves disease. Increased in TSH secreting pituitary adenoma (secondary hyperthyroidism), PRTH and in hypothalamic disease thyrotropin (tertiary hyperthyroidism). Elevated in hypothyroidism (along with decreased T4) except for pituitary & hypothalamic
- Mild to modest elevations in patient with normal T3 & T4 levels indicates impaired thyroid hormone reserves & incipent hypothyroidism (subclinical hypothyroidism).
- Mild to modest decrease with normal T3 & T4 indicates subclinical hyperthyroidism.
- Degree of TSH suppression does not reflect the severity of hyperthyroidism, therefore, measurement of free thyroid hormone levels is required in patient with a supressed TSH level.

**Authorised** 

KARUNYA DIAGNOSTICO

ote: Assay result should be interpreted only in the context of other laboratory findings and the totalclinical status of the patient. lote All investigations have their limitations which are imposed by the limits of sensitivity and specificity of individual assay Procedures as well as the quality of the lote All investigations have their minitations which are imposed by the limits or sensitivity and specificity of individual assay Procedures as well as the quality of the pecimen received by the laboratory, Isolated Laboratory Investigations never confirm the final diagnosis of disease. They only help in arriving at a diagnosis in conjunction pecimen received by the laboratory, isolated Laboratory investigations never confirm the final diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. They only help in arriving at a diagnosis of disease. All disputes subject to Ernakulam junction only.