KARUNYA
NOSTIC CENTRE
Y AUTOMATED MEDICAL LAB

കാരുണ്യ ഡയഗ്നോസ്റ്റിക് സെന്റർ
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Examinee Details:
ARDRA

Age & Gender : **6 Years / Female**
Telephone :
Address :

Referred by:
Dr.LEUVENYA GUNASEKHARAN

Sample Details:
Sample On : **07-Oct-2024 2:24 am**
Reported On :
Lab No : **KDC-7896**
IP/OP No :

Description of Test	Observation and Remarks	Reference range

ENDOCRINOLOGY

FREE T4	**: 1.01 ng/dL**	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

Technology 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 μIU/mL) suggests a diagnosis of hyperthyroidism and elevated concentration (>7 μIU/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 disease.
• 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 by :
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