



Name:	KOUSHARI BEGUM	Registration No.:	592353
Age/Gender:	25 Y/Female	Registered:	22/Dec/2022 05:02PM
Patient ID:	012212220103	Analysed:	22/Dec/2022 05:29PM
BarcodeNo:	61742291	Reported:	22/Dec/2022 06:06PM
Refer By:	Dr. A.RAHMAN(MBBS)	Panel:	SILIGURI RPC

DEPARTMENT OF HORMONES

Test Name	Result	Unit	Biological Ref.Interval
TSH (Thyroid-Stimulating Hormone) By CLIA Method	2.37	μIU/mL	Adult: 0.38 - 5.33 < 3 Days: 3.20 - 34.60 3-4 Days: 0.70 - 15.40 5Dys.-5Mths.: 1.70 - 9.10 5Mths.-12Yrs.: 0.70 - 6.40 PREGNANCY: 1st Trimester : 0.05 – 3.70 2nd Trimester : 0.31 – 4.35 3rd Trimester : 0.41 – 5.18

Interpretation :

In primary hypothyroidism, thyroid-stimulating hormone (TSH) levels will be elevated. In primary hyperthyroidism, TSH levels will be low.

The ability to quantitate circulating levels of TSH is important in evaluating thyroid function. It is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low or normal.

Elevated or low TSH in the context of normal free thyroxine is often referred to as subclinical hypo- or hyperthyroidism, respectively.

Thyrotropin-releasing hormone (TRH) stimulation differentiates all types of hypothyroidism by observing the change in patient TSH levels in response to TRH. Typically, the TSH response to TRH stimulation is exaggerated in cases of primary hypothyroidism, absent in secondary hypothyroidism, and delayed in tertiary hypothyroidism. Most individuals with primary hyperthyroidism have TSH suppression and do not respond to TRH stimulation with an increase in TSH over their basal value.

Sick, hospitalized patients may have falsely low or transiently elevated TSH.

Sample Type: Serum

Test has been performed on Access2

- (1) The Results relate only to the items tested.
- (2) The test report shall not be reproduced except in full, without approval of the authority.

*** End Of Report ***



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