Charak dhar DIAGNOSTICS Pvt. Ltd.

292/05, Tulsidas Marg, Basement Chowk, Lucknow-226 003
Phone : 0522-4062223, 9305548277, 8400888844
9415577933, 9336154100, **Tollfree No.**: 8688360360
E-mail : charak1984@gmail.com
CMO Reg. No. RMEE 2445133
NABL Reg. No. MC-2491
Certificate No. MIS-2023-0218

Patient Name	: Ms.SUJATA PAL	Visit No	: CHA250042347
Age/Gender	: 33 Y/F	Registration ON	: 09/Mar/2025 10:58AM
Lab No	**: 10139642**	Sample Collected ON	: 09/Mar/2025 10:59AM
Referred By	: Dr.MANJU TANDON	Sample Received ON	: 09/Mar/2025 11:09AM
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 09/Mar/2025 12:29PM
Doctor Advice	: PROLACTIN,FSH,LH,TSH		

PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
TSH				
TSH	2.84	uIU/ml	0.47 - 4.52	ECLIA

Note

(1) Patients having low T3 & T4 levels but high TSH levels suffer from primary hypothyroidism,cretinism,juvenile mysedema or autoimmune disorders.

(2) Patients having low T3 & T4 levels but high TSH levels suffer from grave~s disease, toxic adenoma or sub-acute thyroiditis.

(3) Patients having either low or normal T3 & T4 levels but low TSH values suffer from iodine deficiency or secondary hypothyroidism.

(4) Patients having high T3 & T4 levels but normal TSH levels may suffer from toxic multinodular goitre. This condition is mostly asymptomatic and may cause transient hyperthyroidism but no persistent symptoms.

(5) Patient with high or normal T3 & T4 levels and low or normal TSH levels suffer either from T3 toxicosis or T4 Toxicosis respectively.

(6) In patients with non thyroidal illness abnormal test results are not necessarily indicative of thyroidism but may be due to adaptation to the cacabolic state and may revert tonormal when the patient recovers.

(7) There are many drugs for eg.Glucocorticoids ,dopamine,Lithium,iodides ,oral radiographic dyes,ets.Which may affect the thyroid function tests.

(8) Generally when total T3& T4 results are indecisive then Free T3 & Free T4 test are recommended for further confirmation along with

(1 Beckman DxI-600 2. ELECTRO-CHEMILUMINISCENCE TECHINIQUE BY ELECSYSYS -E411)

LH				
LUTEINIZING HORMONE	6.89	mIU/ml	20-70 years: 1.5-9.3 ~> 70 years: 3.1-34.6 ~Children:< 0.1-6.0	

MC-2491

[Checked By]

Print.Date/Time: 09-03-2025 13:09:03

*Patient Identity Has Not Been Verified. Not For Medicolegal

DR. NISHANT SHARMA
PATHOLOGIST

DR. SHADAB
PATHOLOGIST

Dr. SYED SAIF AHMAD
MD (MICROBIOLOGY)

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Test Name	Result	Unit	Bio. Ref. Range	Method
FOLLICLE STIMULATING HORMONE FSH				
FOLLICLE STIMULATING HORMONE FSH serum	7.80	mIU/ml	Women (mIU/ml)~1) Follicular phase: 2.5-10.2 ~2) Midcycle peak : 3.4-33.4 ~3) Luteal phase : 1.5-9.1 ~4) Pregnant : < 0.3~5) Postmenopausal:23.0-116.3	CLIA

INTERPRETATION:

Normally Menstruating Females	Biological Reference Range
Follicular	2.5-10.2
Mid - Cycle	3.4-33.4
Luteal	1.5-9.1
Post-menopausal Females	23-116.3
Male	1.4-18.1 (13-70 years)

-Circulating levels of follicle stimulating hormone vary throughout the menstrual cycle in response to estradiol and progesterone. A small but significant increase in FSH accompanies the mid-cycle LH surge, while FSH declines in the luteal phase in response to estradiol and progesterone production by the developing corpus luteum.
-At menopause FSH and LH increase sufficiently in response to diminished feedback inhibition of gonadotropin release.
-In males, FSH, LH and testosterone regulate spermatogenesis by sertoli cells in seminiferous tubules of the testis. FSH may also be elevated in Klinefelter's syndrome or as a consequence of sertoli cell failure.
-In females, situations in which FSH is elevated and gonadal steroids are depressed include - menopause, premature ovarian failure and oophorectomy, in polycystic ovarian syndrome the LH/FSH ratio may be increased. Abnormal FSH concentrations may indicate dysfunction of the hypothalamic-pituitary axis. In sexually mature adults, FSH deficiency together with low concentrations of LH and sex steroids may indicate panhypopituitarism.

LIMITATIONS:

-Specimens from patients who have received preparations of mouse monoclonal antibodies for diagnosis or therapy may show either false positive or depressed values.

Test Name	Result	Unit	Bio. Ref. Range	Method
PROLACTIN				
PROLACTIN Serum	**29.7**	ng/ml	2.64 - 13.130	CLIA

***** End Of Report *****

MC-2491

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