

Patient Name : Ms.RITU ARYA	Visit No : CHA250044332
Age/Gender : 25 Y/F	Registration ON : 12/Mar/2025 08: 51AM
Lab No : 10141627	Sample Collected ON : 12/Mar/2025 08:52AM
Referred By : Dr.NAVIN CHANDRA	Sample Received ON : 12/Mar/2025 09: 31AM
Refer Lab/Hosp : CHARAK NA	Report Generated ON : 12/Mar/2025 10: 50AM
Doctor Advice : FSH,LH,PROLACTIN	



Test Name	Result	Unit	Bio. Ref. Range	Method
LH				
LUTEINIZING HORMONE	23.60	mIU/ml	20-70 years: 1.5-9.3 -> 70 years: 3.1-34.6 ~Children:< 0.1-6.0	

FOLLICLE STIMULATING HORMONE FSH				
FOLLICLE STIMULATING HORMONE FSH serum	9.80	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.

PROLACTIN				
PROLACTIN Serum	17.9	ng/ml	2.64 - 13.130	CLIA

*** End Of Report ***



[Checked By]



Sharma

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