

Patient Name : Ms.REKHA TRIPATHI	Visit No : CHA250046046
Age/Gender : 40 Y/F	Registration ON : 15/Mar/2025 07: 31PM
<b>Lab No : 10143341</b>	Sample Collected ON : 15/Mar/2025 07: 33PM
Referred By : Dr.GEETA KHANNA **	Sample Received ON : 15/Mar/2025 08: 23PM
Refer Lab/Hosp : CHARAK NA	Report Generated ON : 16/Mar/2025 09: 16AM
Doctor Advice : FSH	



Test Name	Result	Unit	Bio. Ref. Range	Method
<b>FOLLICLE STIMULATING HORMONE FSH</b>				
FOLLICLE STIMULATING HORMONE FSH serum	<b>15.00</b>	mlU/ml	Women (mlU/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.

**CHARAK**

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



*Sharma*