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LABORATORY TEST REPORT



Patient Information	Sample Information	Client/Location Information
Name : Miss Hardi K. Shah	Lab Id : 022512400339	Client Name : Repulab@Ranip-FOFO
Sex/Age : Female / 20 Y	Registration on : 25-Feb-2025 11:48	Location :
Ref. Id :	Collected at : non SAWPL	Approved on : 25-Feb-2025 15:49 Status : Final
Ref. By :	Collected on : 25-Feb-2025 11:48	Printed On : 25-Feb-2025 16:22
	Sample Type : Serum	Process At : 1. NRL SAWPL Gujarat Ahmedabad Paldi

Immunoassay

Test	Result	Unit	Biological Ref. Interval
Prolactin Chemiluminescence	17.36	ng/mL	5.18 - 26.53

NOTE:- POOLED SAMPLE COLLECTED FOR PROLACTIN TEST.

Interpretation and Use:

- Prolactin secretion is controlled by the hypothalamus primarily through the release of prolactin inhibiting factor and prolactin releasing factor. TRH stimulates prolactin secretion and is useful as a provocative test to evaluate prolactin reserves and abnormal secretion of prolactin by the pituitary. The primary physiologic function of prolactin is to stimulate and maintain lactation in women.
- And used in evaluation of pituitary tumors, amenorrhea, galactorrhea, infertility and hypogonadism. Monitoring therapy of prolactin producing tumors.

Limitations:

- Normal prolactin secretion varies with time, which results in serum prolactin levels two to three times higher at night than during the day.
- The biologic half life of prolactin is approximately 20-50 minutes. Serum prolactin levels during the menstrual cycle are variable and commonly exhibit slight elevations during the mid-cycle.
- Prolactin levels in normal individuals tend to rise in response to physiologic stimuli including sleep, exercise, pregnancy and surgical stress.
- Prolactin values that bound to immunoglobulin. Macroprolactin should be evaluated if signs and symptoms of hyperprolactinemia are absent or pituitary imaging studies are not informative.

----- End Of Report -----

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