



Yashvi M. Patel

Age : 21 Years

Sex : Female

PID : 556



Sample Collected At:

125, Shivam Bungalow, S G Road,
Mumbai

Ref. By: Dr. Hiren Shah



Registered on: 02:31 PM 02 Dec, 2X

Collected on: 03:11 PM 02 Dec, 2X

Reported on: 04:35 PM 02 Dec, 2X

PROLACTIN (PRL)

Investigation	Result	Reference Value	Unit
PROLACTIN, SERUM CLIA	5.50	2.10 - 17.70	ng/mL

Note:

1. Since prolactin is secreted in a pulsatile manner and is also influenced by a variety of physiologic stimuli, it is recommended to test 3 specimens at 20-30 minute intervals after pooling.
2. Major circulating form of Prolactin is a nonglycosylated monomer, but several forms of Prolactin linked with immunoglobulin occur which can give falsely high Prolactin results.
3. Macroprolactin assay is recommended if prolactin levels are elevated, but signs and symptoms of hyperprolactinemia are absent or pituitary imaging studies are normal

Clinical Use

- Diagnosis & management of pituitary adenomas
- Differential diagnosis of male & female hypogonadism

Increased Levels

- Physiologic: Sleep, stress, postprandially, pain, coitus
- Systemic disorders: Chest wall or thoracic spinal cord lesions, Primary / Secondary hypothyroidism, Adrenal insufficiency, Chronic renal failure, Cirrhosis
- Medications:
 1. Psychiatric medications like Phenothiazine, Haloperidol, Risperidone, Domperidone, Fluoxetine, Amitriptylene, MAO inhibitors etc.,
 2. Antihypertensives: Alpramethyldopa, Reserpine, Verapamil
 3. Opiates: Heroin, Methadone, Morphine, Apomorphine
 4. Cimetidine / Ranitidine
- Prolactin secreting pituitary tumors: Prolactinoma, Acromegaly
- Miscellaneous: Epileptic seizures, Ectopic secretion of prolactin by non-pituitary tumors, pressure/transaction of the pituitary stalk, macroprolactinemia & Idiopathic

Decreased levels

- Pituitary necrosis/infarction
- Bromocriptine administration
- Pseudohypoparathyroidism

Thanks for Reference

****End of Report****

Medical Lab Technician
(DMLT, BMLT)

Dr. Payal Shah
(MD, Pathologist)

Dr. Vimal Shah
(MD, Pathologist)

